# FINAL

# TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Lower Terrebonne Basin, Louisiana

(120401, 120404, 120405, 120406)

Volume II

Prepared for:

United States Environmental Protection Agency, Region 6
Water Quality Protection Division
Permits, Oversight, and TMDL Team
Dallas, TX 75202

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# APPENDIX F:
# MODEL OUTPUT FOR BASELINE CONDITIONS

TMDL output file for subsegments 120401/120404 ..... 1
TMDL output file for subsegments120405/120406 ..... 145

## TMDL output file for subsegments 120401/120404

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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\Lake_Bayou_Penchant\baseline\Penchant_BASE.txt
Output produced at 14:59 on 02/25/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
TITLE02        Baseline Simulation for Lake Penchant and Bayou Penchant model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.60000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE     RATE CODE     THETA VALUE
ENDATA04
$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA05
$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA06
$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN      END   ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km     km     km            NUM   NUM
REACH ID    1   1  Bayou Chene to Blackbird Bayou     35.10  TO  31.80  0.1000    3.30     33      1    33
REACH ID    2   2  Blackbird Bayou to 120401-G       31.80  TO  19.10  0.1000   12.70    127     34   160
REACH ID    3   3  120401-G to Turtle Bayou          19.10  TO  13.90  0.1000    5.20     52    161   212
REACH ID    4   4  Turtle Bayou to Carenero Bayou    13.90  TO   9.90  0.1000    4.00     40    213   252
REACH ID    5   5  Carenero Bayou to un canal 2       9.90  TO   3.60  0.1000    6.30     63    253   315
REACH ID    6   6  un canal 2 to Corasaw conf.        3.60  TO   0.60  0.1000    3.00     30    316   345
REACH ID    7   7  935 to Peoples Canal and L.P      18.00  TO  15.80  0.1000    2.20     22    346   367
REACH ID    8   8  Peoples C. and L.P to N. Outlet   15.80  TO  14.90  0.1000    0.90      9    368   376
REACH ID    9   9  N. Outlet to L. Penchant W. Sid   14.90  TO  13.60  0.1000    1.30     13    377   389
REACH ID   10  10  L. P. W. Side to L. P W. Outlet   13.60  TO  12.70  0.1000    0.90      9    390   398
REACH ID   11  11  L. P W. Outlet to Superior Cana    12.70  TO  10.80  0.1000    1.90     19    399   417
REACH ID   12  12  Superior Canal to un canal 1       10.80  TO   9.50  0.1000    1.30     13    418   430
REACH ID   13  13  unnamed canal to Brady C/Weir 2     9.50  TO   9.30  0.1000    0.20      2    431   432
REACH ID   14  14  Brady C/Weir 2 to Km#              9.30  TO   8.10  0.1000    1.20     12    433   444
REACH ID   15  15  Km# to Pipeline Canal              8.10  TO   0.80  0.1000    7.30     73    445   517
REACH ID   16  16  Pipeline Canal to Corasaw conf.    0.80  TO   0.00  0.1000    0.80      8    518   525
REACH ID   17  17  Corasaw conf. to 120401-C          0.60  TO   0.00  0.1000    0.60      6    526   531
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID     WIDTH     WIDTH     WIDTH     DEPTH     DEPTH     DEPTH     SLOPE   MANNINGS
                         "A"       "B"       "C"       "D"       "E"       "F"               "N"
HYDR-1      1   1      0.000     0.000   135.000     0.000     0.000     1.000   0.00010   1.460
HYDR-1      2   2      0.000     0.000   110.000     0.000     0.000     1.000   0.00010   1.460
HYDR-1      3   3      0.000     0.000    90.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      4   4      0.000     0.000   155.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      5   5      0.000     0.000    90.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      6   6      0.000     0.000   110.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      7   7      0.000     0.000    35.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      8   8      0.000     0.000  2131.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      9   9      0.000     0.000   983.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     10  10      0.000     0.000   148.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     11  11      0.000     0.000    61.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     12  12      0.000     0.000    72.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     13  13      0.000     0.000    72.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     14  14      0.000     0.000    70.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     15  15      0.000     0.000    65.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     16  16      0.000     0.000    65.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     17  17      0.000     0.000    88.000     0.000     0.000     1.402   0.00010   1.460
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                        RANGE       "A"           "B"           "C"           "D"
HYDR        1   1     0.00       0.600         0.000         0.000         0.000
HYDR        2   2     0.00       0.500         0.000         0.000         0.000
HYDR        3   3     0.00       0.400         0.000         0.000         0.000
HYDR        4   4     0.00       0.300         0.000         0.000         0.000
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HYDR      5  5    0.00     0.300     0.000     0.000     0.000
HYDR      6  6    0.00     0.400     0.000     0.000     0.000
HYDR      7  7    0.00     0.000     0.000     0.000     0.000
HYDR      8  8    0.00     0.000     0.000     0.000     0.000
HYDR      9  9    0.00     0.000     0.000     0.000     0.000
HYDR     10  10   0.00     0.000     0.000     0.000     0.000
HYDR     11  11   0.00     0.300     0.000     0.000     0.000
HYDR     12  12   0.00     0.200     0.000     0.000     0.000
HYDR     13  13   0.00     0.100     0.000     0.000     0.000
HYDR     14  14   0.00     0.100     0.000     0.000     0.000
HYDR     15  15   0.00     0.100     0.000     0.000     0.000
HYDR     16  16   0.00     0.100     0.000     0.000     0.000
HYDR     17  17   0.00     0.500     0.000     0.000     0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE    REACH  ID     TEMP    SALIN     DO     NH3    NO3+2    PHOS    CHL A    MACRO
INITIAL       1  1    31.20    0.00    5.00   0.10    0.33    0.00   70.00    0.00
INITIAL       2  2    31.80    0.00    5.00   0.10    0.33    0.00   75.00    0.00
INITIAL       3  3    31.80    0.00    5.00   0.10    0.33    0.00   80.00    0.00
INITIAL       4  4    31.80    0.00    5.00   0.10    0.33    0.00   60.00    0.00
INITIAL       5  5    31.80    0.00    5.00   0.10    0.33    0.00   40.00    0.00
INITIAL       6  6    31.80    0.00    5.00   0.10    0.33    0.00   24.00    0.00
INITIAL       7  7    31.50    0.00    5.00   0.12    0.05    0.00   10.00    0.00
INITIAL       8  8    31.00    0.00    5.00   0.12    0.05    0.00   10.00    0.00
INITIAL       9  9    31.00    0.00    5.00   0.12    0.05    0.00   10.00    0.00
INITIAL      10  10   31.50    0.00    5.00   0.12    0.05    0.00   25.00    0.00
INITIAL      11  11   31.50    0.00    5.00   0.12    0.05    0.00   38.00    0.00
INITIAL      12  12   31.50    0.00    5.00   0.10    0.05    0.00   38.00    0.00
INITIAL      13  13   31.50    0.00    5.00   0.10    0.05    0.00   38.00    0.00
INITIAL      14  14   31.50    0.00    5.00   0.10    0.05    0.00   38.00    0.00
INITIAL      15  15   32.30    0.00    5.00   0.10    0.05    0.00   38.00    0.00
INITIAL      16  16   32.30    0.00    5.00   0.10    0.05    0.00   30.00    0.00
INITIAL      17  17   32.30    0.00    5.00   0.10    0.05    0.00   24.00    0.00
ENDATA11
$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                          BOD    ANAER                    BOD2    ANAER
CARD    RCH  RCH  K2              K2     K2     K2   BKGRND    BOD     BOD    CONV    BOD2    BOD2    BOD2    CONV    BOD2
TYPE    NUM  ID  OPT             "A"    "B"    "C"     SOD   DECAY    SETT  TO SOD   DECAY   DECAY    SETT  TO SOD   DECAY
                                       g/m²/d  per day    m/d          per day  per day     m/d          per day
COEFF-1   1   1   3 OCONNER-DOBB  0.000  0.000  0.000   2.500   0.120   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   2   2   3 OCONNER-DOBB  0.000  0.000  0.000   2.700   0.120   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   3   3   3 OCONNER-DOBB  0.000  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   4   4   3 OCONNER-DOBB  0.000  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   5   5   3 OCONNER-DOBB  0.000  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   6   6   3 OCONNER-DOBB  0.000  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   7   7   3 OCONNER-DOBB  0.000  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   8   8  20 K2=a/D       0.930  0.000  0.000   0.600   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   9   9  20 K2=a/D       0.930  0.000  0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  10  10   3 OCONNER-DOBB  0.000  0.000  0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  11  11   3 OCONNER-DOBB  0.000  0.000  0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
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COEFF-1  12  12  3 OCONNER-DOBB   0.000   0.000   0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  13  13  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  14  14  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  15  15  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  16  16  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  17  17  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
ENDATA12
$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
CARD TYPE    REACH  ID     ORG-N    ORG-N  ORGN CONV     NH3      NH3     PHOS    DENIT
                          DECA     SETT  TO NH3 SRCE    DECA     SRCE     SRCE     RATE
COEFF-2        1   1     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        2   2     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        3   3     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        4   4     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        5   5     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        6   6     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        7   7     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2        8   8     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2        9   9     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2       10  10     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       11  11     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       12  12     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       13  13     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       14  14     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       15  15     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       16  16     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       17  17     0.020    0.000    0.000    0.150    0.000    0.000    0.000
ENDATA13
$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$
CARD TYPE    REACH  ID    SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
                          DEPTH    CHL A     SETT    TO SOD      GROW     RESP     GROW     RESP   SHADING
ENDATA14
$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$
CARD TYPE    REACH  ID   COLIFORM     NCM      NCM   NCM CONV
                        DIE-OFF    DECAY     SETT    TO SOD
ENDATA15
$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE    REACH  ID    OUTFLOW    INFLOW     TEMP    SALIN     CM-I    CM-II  IN/DIST  OUT/DIST
INCR-1         1   1    -0.70000   0.50000   30.00    0.00    0.00    0.00  0.15152  -0.21212
INCR-1         2   2    -5.20000   5.00000   30.00    0.00    0.00    0.00  0.39370  -0.40945
INCR-1         3   3    -0.70000   0.50000   30.00    0.00    0.00    0.00  0.09615  -0.13462
INCR-1         4   4    -0.70000   0.50000   30.00    0.00    0.00    0.00  0.12500  -0.17500
INCR-1         5   5    -0.70000   0.50000   30.00    0.00    0.00    0.00  0.07937  -0.11111
INCR-1         6   6    -0.70000   0.50000   30.00    0.00    0.00    0.00  0.16667  -0.23333
INCR-1         7   7     0.00000   0.00000    0.00    0.00    0.00    0.00  0.00000   0.00000
INCR-1         8   8     0.00000   1.53760   30.00    0.00    0.00    0.00  1.70844   0.00000
INCR-1         9   9    -1.60000   3.58780   30.00    0.00    0.00    0.00  2.75985  -1.23077
INCR-1        10  10    -0.50000   0.50000   30.00    0.00    0.00    0.00  0.55556  -0.55556
INCR-1        11  11    -0.50000   0.50000   30.00    0.00    0.00    0.00  0.26316  -0.26316
INCR-1        12  12    -0.50000   0.50000   30.00    0.00    0.00    0.00  0.38462  -0.38462
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INCR-1      13  13    0.00000   0.00000    0.00    0.00    0.00    0.00  0.00000  0.00000
INCR-1      14  14    0.00000   0.02550   30.00    0.00    0.00    0.00  0.02125  0.00000
INCR-1      15  15    0.00000   0.20390   30.00    0.00    0.00    0.00  0.02793  0.00000
INCR-1      16  16    0.00000   0.02550   30.00    0.00    0.00    0.00  0.03187  0.00000
INCR-1      17  17    0.00000   0.00000    0.00    0.00    0.00    0.00  0.00000  0.00000
ENDATA16
$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    REACH  ID      DO     BOD    ORG-N    NH3-N    NO3-N    BOD#2
INCR-2       1   1    5.00   50.00   1.30    0.10    0.04    0.00
INCR-2       2   2    5.00   50.00   3.10    0.10    0.04    0.00
INCR-2       3   3    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2       4   4    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2       5   5    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2       6   6    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2       7   7    0.00    0.00   0.00    0.00    0.00    0.00
INCR-2       8   8    5.00    9.30   1.30    0.10    0.04    0.00
INCR-2       9   9    5.00    9.30   2.80    0.10    0.04    0.00
INCR-2      10  10    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2      11  11    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2      12  12    5.00   10.00   1.30    0.10    0.04    0.00
INCR-2      13  13    0.00    0.00   0.00    0.00    0.00    0.00
INCR-2      14  14    5.00   10.00   0.85    0.10    0.04    0.00
INCR-2      15  15    5.00   10.00   0.85    0.10    0.04    0.00
INCR-2      16  16    5.00   10.00   0.85    0.10    0.04    0.00
INCR-2      17  17    0.00    0.00   0.00    0.00    0.00    0.00
ENDATA17
$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
 CARD TYPE    REACH  ID     PHOS    CHL A    COLI     NCM
ENDATA18
$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$
CARD TYPE    REACH  ID    BOD#1    ORG-N    COLI     NCM      DO    BOD#2
NONPOINT      1   1    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      2   2    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      3   3    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      4   4    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      5   5    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      6   6    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      7   7    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      8   8    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      9   9    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     10  10    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     11  11    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     12  12    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     13  13    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     14  14    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     15  15    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     16  16    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     17  17    0.00    0.00    0.00    0.00    0.00    0.00
ENDATA19
$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
```

```
CARD TYPE    ELEMENT   NAME                UNIT    FLOW    FLOW   TEMP   SALIN    CM-I    CM-II
                                          m³/s    cfs   deg C    ppt
HDWTR-1        1    Bayou Chene          0  17.38664  613.935   30.00    0.00    0.000    0.000   0.00
HDWTR-1      346    Station 935          0   0.03776    1.333   31.10    0.00    0.000    0.000   0.00
ENDATA20
$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    ELEMENT   NAME                     DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                          mg/L    mg/L    mg/L    mg/L    mg/L    mg/L
HDWTR-2        1    Bayou Chene             6.20    16.08     1.60     0.10     0.56     0.00
HDWTR-2      346    Station 935             5.00     3.42     0.90     0.10     0.04     0.00
ENDATA21
$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A    COLI    NCM
                                          mg/L    mg/L    mg/L    mg/L
ENDATA22
$$$ DATA TYPE 23 (JUNCTION DATA) $$$
CARD TYPE   JUNCTION   UPSTRM    RIVER    NAME
         ELEMENT  ELEMENT    KILOM
JUNCTION       526    345      0.60   Penchant-Copasaw 1
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                 FLOW      FLOW     FLOW    TEMP    SALIN     CM-I    CM-II
                                          m³/s      cfs     MGD   deg C     ppt
WSTLD-1     161     19.10  TRIB 1 OUTFLOW      -3.75680 -132.65536  -85.750  230.00     0.00     0.000     0.000
WSTLD-1     213     13.90  TRIB 2 INFLOW        1.69902   59.99364   38.781   30.00     0.00     0.000     0.000
WSTLD-1     253      9.90  TRIB 3 OUTFLOW      -9.21150 -325.26483 -210.255  230.00     0.00     0.000     0.000
WSTLD-1     380     14.60  TRIB 4 OUTFLOW       0.00000    0.00000    0.000   30.00     0.00     0.000     0.000
WSTLD-1     431      9.50  TRIB 5 INFLOW        3.28477  115.98764   74.976   30.00     0.00     0.000     0.000
WSTLD-1     433      9.30  TRIB 6 OUTFLOW      -1.74630  -61.66314  -39.860  130.00     0.00     0.000     0.000
ENDATA24
$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                % BOD                    %
CARD TYPE    ELEMENT   NAME                     DO      BOD     RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                          mg/L    mg/L            mg/L    mg/L            mg/L    mg/L
WSTLD-2       161    TRIB 1 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       213    TRIB 2 INFLOW           5.00     3.40     0.00     2.00     0.05     0.00     0.00     0.00
WSTLD-2       253    TRIB 3 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       380    TRIB 4 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       431    TRIB 5 INFLOW           5.00    10.00     0.00     4.00     0.05     0.00     0.00     0.00
WSTLD-2       433    TRIB 6 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A    COLI    NCM
                                          mg/L    mg/L    mg/L    mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                 CONCENTRATION
LOWER BC     TEMPERATURE                      32.200    deg C
LOWER BC     SALINITY                          0.000    ppt
LOWER BC     CONSERVATIVE MATERIAL I               0.000
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LOWER BC    CONSERVATIVE MATERIAL II              0.000
LOWER BC    DISSOLVED OXYGEN                    6.100    mg/L
LOWER BC    BIOCHEMICAL OXYGEN DEMAND             2.200    mg/L
LOWER BC    ORGANIC NITROGEN                    0.000    mg/L
LOWER BC    AMMONIA NITROGEN                    0.100    mg/L
LOWER BC    NITRATE + NITRITE                   0.050    mg/L
LOWER BC    PHOSPHORUS                          0.000    mg/L
LOWER BC    CHLOROPHYLL A                      24.000    µg/L
LOWER BC    COLIFORM                         0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL              0.000
ENDATA27
$$$ DATA TYPE 28 (DAM DATA) $$$
CARD TYPE    ELEMENT   NAME              EQN     "A"     "B"     "H"
ENDATA28
$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$
CARD TYPE      PARAMETER    COL 1    COL 2    COL 3    COL 4    COL 5    COL 6    COL 7    COL 8
ENDATA29
$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$
NUMBER OF PLOTS =  2
NUMBER OF REACHES IN PLOT 1 =   7
PLOT RCH  1  2  3  4  5  6 17
NUMBER OF REACHES IN PLOT 1 =  10
PLOT RCH  7  8  9 10 11 12 13 14 15 16
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 BayouPenchant.OVL            :Bayou Penchant 120401
OVERLAY 2 LakePenchant.OVL             :Lake Penchant 120404
ENDATA31
   .....NO ERRORS DETECTED IN INPUT DATA
   .....HYDRAULIC CALCULATIONS COMPLETED
   .....TRIDIAGONAL MATRIX TERMS INITIALIZED
   .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 ITERATIONS
   .....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
   .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
   .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
INTERMEDIATE REPORT
 Dissolved Oxygen                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
   mg/L                                  Baseline Simulation for Lake Penchant and Bayou Penchant model
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
  1   1    1     6.19    6.19    6.18    6.18    6.17    6.17    6.16    6.16    6.16    6.15
  1   1   11     6.15    6.14    6.14    6.14    6.13    6.13    6.12    6.12    6.12    6.11
  1   1   21     6.11    6.11    6.11    6.10    6.10    6.10    6.10    6.09    6.09    6.09
  1   1   31     6.09    6.08    6.08
  2   2   34     6.08    6.07    6.07    6.06    6.06    6.05    6.05    6.04    6.04    6.04
  2   2   44     6.03    6.03    6.02    6.02    6.01    6.01    6.00    6.00    6.00    5.99
  2   2   54     5.99    5.98    5.98    5.97    5.97    5.97    5.96    5.96    5.95    5.95
  2   2   64     5.95    5.94    5.94    5.93    5.93    5.93    5.92    5.92    5.91    5.91
  2   2   74     5.91    5.90    5.90    5.89    5.89    5.89    5.88    5.88    5.87    5.87
  2   2   84     5.87    5.86    5.86    5.86    5.85    5.85    5.85    5.84    5.84    5.83
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 94 | 5.83 | 5.83 | 5.82 | 5.82 | 5.82 | 5.81 | 5.81 | 5.81 | 5.80 | 5.80 |
| 2 | 2 | 104 | 5.80 | 5.79 | 5.79 | 5.79 | 5.78 | 5.78 | 5.78 | 5.77 | 5.77 | 5.77 |
| 2 | 2 | 114 | 5.76 | 5.76 | 5.76 | 5.75 | 5.75 | 5.75 | 5.74 | 5.74 | 5.74 | 5.74 |
| 2 | 2 | 124 | 5.73 | 5.73 | 5.73 | 5.72 | 5.72 | 5.72 | 5.71 | 5.71 | 5.71 | 5.71 |
| 2 | 2 | 134 | 5.70 | 5.70 | 5.70 | 5.69 | 5.69 | 5.69 | 5.69 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 144 | 5.67 | 5.67 | 5.67 | 5.67 | 5.66 | 5.66 | 5.66 | 5.66 | 5.65 | 5.65 |
| 2 | 2 | 154 | 5.65 | 5.65 | 5.64 | 5.64 | 5.64 | 5.64 | 5.63 | | | |
| 3 | 3 | 161 | 5.68 | 5.73 | 5.79 | 5.84 | 5.89 | 5.94 | 5.99 | 6.04 | 6.09 | 6.14 |
| 3 | 3 | 171 | 6.19 | 6.23 | 6.28 | 6.32 | 6.37 | 6.41 | 6.45 | 6.49 | 6.53 | 6.57 |
| 3 | 3 | 181 | 6.61 | 6.65 | 6.69 | 6.72 | 6.76 | 6.80 | 6.83 | 6.86 | 6.90 | 6.93 |
| 3 | 3 | 191 | 6.96 | 6.99 | 7.02 | 7.05 | 7.08 | 7.11 | 7.14 | 7.16 | 7.19 | 7.21 |
| 3 | 3 | 201 | 7.24 | 7.26 | 7.29 | 7.31 | 7.33 | 7.35 | 7.37 | 7.39 | 7.41 | 7.43 |
| 3 | 3 | 211 | 7.45 | 7.46 | | | | | | | | |
| 4 | 4 | 213 | 7.22 | 7.25 | 7.29 | 7.32 | 7.35 | 7.37 | 7.40 | 7.43 | 7.45 | 7.48 |
| 4 | 4 | 223 | 7.50 | 7.52 | 7.54 | 7.56 | 7.58 | 7.59 | 7.61 | 7.63 | 7.64 | 7.65 |
| 4 | 4 | 233 | 7.67 | 7.68 | 7.69 | 7.70 | 7.70 | 7.71 | 7.72 | 7.72 | 7.73 | 7.73 |
| 4 | 4 | 243 | 7.73 | 7.73 | 7.74 | 7.74 | 7.73 | 7.73 | 7.73 | 7.73 | 7.72 | 7.72 |
| 5 | 5 | 253 | 7.71 | 7.71 | 7.70 | 7.69 | 7.67 | 7.66 | 7.65 | 7.64 | 7.63 | 7.62 |
| 5 | 5 | 263 | 7.60 | 7.59 | 7.58 | 7.56 | 7.55 | 7.53 | 7.52 | 7.50 | 7.49 | 7.47 |
| 5 | 5 | 273 | 7.46 | 7.44 | 7.42 | 7.40 | 7.39 | 7.37 | 7.35 | 7.33 | 7.31 | 7.30 |
| 5 | 5 | 283 | 7.28 | 7.26 | 7.24 | 7.22 | 7.20 | 7.18 | 7.16 | 7.14 | 7.11 | 7.09 |
| 5 | 5 | 293 | 7.07 | 7.05 | 7.03 | 7.01 | 6.98 | 6.96 | 6.94 | 6.92 | 6.89 | 6.87 |
| 5 | 5 | 303 | 6.85 | 6.82 | 6.80 | 6.77 | 6.75 | 6.72 | 6.70 | 6.67 | 6.65 | 6.62 |
| 5 | 5 | 313 | 6.60 | 6.57 | 6.55 | | | | | | | |
| 6 | 6 | 316 | 6.51 | 6.48 | 6.45 | 6.42 | 6.39 | 6.36 | 6.34 | 6.31 | 6.28 | 6.26 |
| 6 | 6 | 326 | 6.23 | 6.21 | 6.19 | 6.16 | 6.14 | 6.12 | 6.10 | 6.08 | 6.06 | 6.04 |
| 6 | 6 | 336 | 6.02 | 6.01 | 5.99 | 5.97 | 5.96 | 5.94 | 5.93 | 5.91 | 5.90 | 5.92 |
| 17 | 17 | 526 | 6.15 | 6.15 | 6.14 | 6.14 | 6.14 | 6.13 | | | | |
| 7 | 7 | 346 | 4.91 | 4.90 | 4.94 | 4.98 | 5.04 | 5.09 | 5.14 | 5.18 | 5.22 | 5.26 |
| 7 | 7 | 356 | 5.29 | 5.32 | 5.35 | 5.38 | 5.40 | 5.42 | 5.44 | 5.46 | 5.48 | 5.49 |
| 7 | 7 | 366 | 5.51 | 5.52 | | | | | | | | |
| 8 | 8 | 368 | 7.03 | 7.03 | 7.03 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | |
| 9 | 9 | 377 | 6.26 | 5.93 | 5.79 | 5.76 | 5.77 | 5.82 | 5.88 | 5.96 | 6.04 | 6.13 |
| 9 | 9 | 387 | 6.22 | 6.31 | 6.41 | | | | | | | |
| 10 | 10 | 390 | 6.29 | 6.18 | 6.09 | 6.01 | 5.95 | 5.90 | 5.86 | 5.84 | 5.83 | |
| 11 | 11 | 399 | 5.82 | 5.81 | 5.81 | 5.80 | 5.80 | 5.79 | 5.78 | 5.78 | 5.77 | 5.77 |
| 11 | 11 | 409 | 5.76 | 5.76 | 5.75 | 5.75 | 5.74 | 5.74 | 5.74 | 5.73 | 5.73 | |
| 12 | 12 | 418 | 5.70 | 5.67 | 5.65 | 5.62 | 5.60 | 5.58 | 5.55 | 5.53 | 5.51 | 5.49 |
| 12 | 12 | 428 | 5.47 | 5.45 | 5.42 | | | | | | | |
| 13 | 13 | 431 | 5.26 | 5.29 | | | | | | | | |
| 14 | 14 | 433 | 5.31 | 5.34 | 5.38 | 5.41 | 5.44 | 5.47 | 5.50 | 5.53 | 5.56 | 5.59 |
| 14 | 14 | 443 | 5.62 | 5.65 | | | | | | | | |
| 15 | 15 | 445 | 5.67 | 5.70 | 5.72 | 5.75 | 5.77 | 5.79 | 5.82 | 5.84 | 5.86 | 5.88 |
| 15 | 15 | 455 | 5.90 | 5.92 | 5.94 | 5.96 | 5.98 | 5.99 | 6.01 | 6.03 | 6.05 | 6.06 |
| 15 | 15 | 465 | 6.08 | 6.09 | 6.11 | 6.12 | 6.14 | 6.15 | 6.16 | 6.18 | 6.19 | 6.20 |
| 15 | 15 | 475 | 6.21 | 6.22 | 6.23 | 6.24 | 6.26 | 6.27 | 6.27 | 6.28 | 6.29 | 6.30 |
| 15 | 15 | 485 | 6.31 | 6.32 | 6.33 | 6.33 | 6.34 | 6.35 | 6.35 | 6.36 | 6.37 | 6.37 |
| 15 | 15 | 495 | 6.38 | 6.38 | 6.39 | 6.39 | 6.40 | 6.40 | 6.41 | 6.41 | 6.41 | 6.42 |
| 15 | 15 | 505 | 6.42 | 6.42 | 6.42 | 6.43 | 6.43 | 6.43 | 6.43 | 6.43 | 6.44 | 6.44 |
| 15 | 15 | 515 | 6.44 | 6.44 | 6.44 | | | | | | | |

16 16 518 6.44 6.44 6.43 6.43 6.42 6.42 6.41 6.39

INTERMEDIATE REPORT

Effective BOD LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 |
| 1 | 1 | 11 | 16.08 | 16.08 | 16.08 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 |
| 1 | 1 | 21 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.08 |
| 1 | 1 | 31 | 16.08 | 16.08 | 16.09 | | | | | | | |
| 2 | 2 | 34 | 16.14 | 16.19 | 16.24 | 16.30 | 16.35 | 16.40 | 16.45 | 16.50 | 16.55 | 16.61 |
| 2 | 2 | 44 | 16.66 | 16.71 | 16.76 | 16.81 | 16.86 | 16.91 | 16.96 | 17.01 | 17.06 | 17.11 |
| 2 | 2 | 54 | 17.16 | 17.21 | 17.25 | 17.30 | 17.35 | 17.40 | 17.45 | 17.49 | 17.54 | 17.59 |
| 2 | 2 | 64 | 17.64 | 17.68 | 17.73 | 17.78 | 17.82 | 17.87 | 17.92 | 17.96 | 18.01 | 18.06 |
| 2 | 2 | 74 | 18.10 | 18.15 | 18.19 | 18.24 | 18.28 | 18.33 | 18.37 | 18.42 | 18.46 | 18.50 |
| 2 | 2 | 84 | 18.55 | 18.59 | 18.63 | 18.68 | 18.72 | 18.76 | 18.81 | 18.85 | 18.89 | 18.93 |
| 2 | 2 | 94 | 18.98 | 19.02 | 19.06 | 19.10 | 19.14 | 19.19 | 19.23 | 19.27 | 19.31 | 19.35 |
| 2 | 2 | 104 | 19.39 | 19.43 | 19.47 | 19.51 | 19.55 | 19.59 | 19.63 | 19.67 | 19.71 | 19.75 |
| 2 | 2 | 114 | 19.79 | 19.83 | 19.87 | 19.91 | 19.95 | 19.98 | 20.02 | 20.06 | 20.10 | 20.14 |
| 2 | 2 | 124 | 20.17 | 20.21 | 20.25 | 20.29 | 20.32 | 20.36 | 20.40 | 20.44 | 20.47 | 20.51 |
| 2 | 2 | 134 | 20.55 | 20.58 | 20.62 | 20.65 | 20.69 | 20.73 | 20.76 | 20.80 | 20.83 | 20.87 |
| 2 | 2 | 144 | 20.90 | 20.94 | 20.97 | 21.01 | 21.04 | 21.08 | 21.11 | 21.14 | 21.18 | 21.21 |
| 2 | 2 | 154 | 21.25 | 21.28 | 21.31 | 21.35 | 21.38 | 21.41 | 21.44 | | | |
| 3 | 3 | 161 | 21.42 | 21.38 | 21.35 | 21.31 | 21.28 | 21.25 | 21.21 | 21.18 | 21.15 | 21.11 |
| 3 | 3 | 171 | 21.08 | 21.05 | 21.01 | 20.98 | 20.95 | 20.91 | 20.88 | 20.85 | 20.82 | 20.78 |
| 3 | 3 | 181 | 20.75 | 20.72 | 20.68 | 20.65 | 20.62 | 20.59 | 20.55 | 20.52 | 20.49 | 20.46 |
| 3 | 3 | 191 | 20.42 | 20.39 | 20.36 | 20.33 | 20.30 | 20.26 | 20.23 | 20.20 | 20.17 | 20.14 |
| 3 | 3 | 201 | 20.10 | 20.07 | 20.04 | 20.01 | 19.98 | 19.95 | 19.91 | 19.88 | 19.85 | 19.82 |
| 3 | 3 | 211 | 19.78 | 19.66 | | | | | | | | |
| 4 | 4 | 213 | 17.83 | 17.79 | 17.75 | 17.71 | 17.67 | 17.63 | 17.59 | 17.56 | 17.52 | 17.48 |
| 4 | 4 | 223 | 17.44 | 17.40 | 17.36 | 17.32 | 17.29 | 17.25 | 17.21 | 17.17 | 17.13 | 17.09 |
| 4 | 4 | 233 | 17.06 | 17.02 | 16.98 | 16.94 | 16.91 | 16.87 | 16.83 | 16.79 | 16.76 | 16.72 |
| 4 | 4 | 243 | 16.68 | 16.65 | 16.61 | 16.57 | 16.54 | 16.50 | 16.46 | 16.43 | 16.39 | 16.36 |
| 5 | 5 | 253 | 16.33 | 16.28 | 16.22 | 16.16 | 16.10 | 16.05 | 15.99 | 15.93 | 15.88 | 15.82 |
| 5 | 5 | 263 | 15.77 | 15.71 | 15.65 | 15.60 | 15.54 | 15.49 | 15.44 | 15.38 | 15.33 | 15.27 |
| 5 | 5 | 273 | 15.22 | 15.17 | 15.11 | 15.06 | 15.01 | 14.95 | 14.90 | 14.85 | 14.80 | 14.74 |
| 5 | 5 | 283 | 14.69 | 14.64 | 14.59 | 14.54 | 14.49 | 14.44 | 14.39 | 14.34 | 14.29 | 14.24 |
| 5 | 5 | 293 | 14.19 | 14.14 | 14.09 | 14.04 | 13.99 | 13.94 | 13.89 | 13.85 | 13.80 | 13.75 |
| 5 | 5 | 303 | 13.70 | 13.65 | 13.61 | 13.56 | 13.51 | 13.47 | 13.42 | 13.37 | 13.33 | 13.28 |
| 5 | 5 | 313 | 13.23 | 13.19 | 13.14 | | | | | | | |
| 6 | 6 | 316 | 13.08 | 13.02 | 12.96 | 12.90 | 12.84 | 12.79 | 12.73 | 12.67 | 12.61 | 12.56 |
| 6 | 6 | 326 | 12.50 | 12.44 | 12.39 | 12.33 | 12.28 | 12.22 | 12.17 | 12.11 | 12.06 | 12.01 |
| 6 | 6 | 336 | 11.95 | 11.90 | 11.85 | 11.79 | 11.74 | 11.69 | 11.63 | 11.58 | 11.49 | 11.20 |
| 17 | 17 | 526 | 9.10 | 9.09 | 9.08 | 9.07 | 9.02 | 8.31 | | | | |
| 7 | 7 | 346 | 2.95 | 2.54 | 2.19 | 1.89 | 1.63 | 1.40 | 1.21 | 1.04 | 0.90 | 0.78 |
| 7 | 7 | 356 | 0.67 | 0.58 | 0.50 | 0.43 | 0.37 | 0.32 | 0.28 | 0.24 | 0.21 | 0.18 |
| 7 | 7 | 366 | 0.15 | 0.13 | | | | | | | | |
| 8 | 8 | 368 | 2.80 | 2.93 | 2.96 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | |
| 9 | 9 | 377 | 3.60 | 4.05 | 4.38 | 4.63 | 4.82 | 4.98 | 5.10 | 5.19 | 5.27 | 5.34 |
| 9 | 9 | 387 | 5.39 | 5.43 | 5.47 | | | | | | | |
| 10 | 10 | 390 | 5.50 | 5.53 | 5.56 | 5.59 | 5.61 | 5.64 | 5.67 | 5.69 | 5.72 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 11 | 399 | 5.74 | 5.75 | 5.76 | 5.78 | 5.79 | 5.81 | 5.82 | 5.83 | 5.85 | 5.86 |
| 11 | 11 | 409 | 5.87 | 5.89 | 5.90 | 5.91 | 5.92 | 5.94 | 5.95 | 5.96 | 5.97 | |
| 12 | 12 | 418 | 6.00 | 6.03 | 6.05 | 6.08 | 6.10 | 6.13 | 6.15 | 6.17 | 6.20 | 6.22 |
| 12 | 12 | 428 | 6.25 | 6.27 | 6.36 | | | | | | | |
| 13 | 13 | 431 | 8.06 | 8.05 | | | | | | | | |
| 14 | 14 | 433 | 8.03 | 8.02 | 8.01 | 7.99 | 7.98 | 7.96 | 7.95 | 7.93 | 7.92 | 7.90 |
| 14 | 14 | 443 | 7.89 | 7.88 | | | | | | | | |
| 15 | 15 | 445 | 7.86 | 7.85 | 7.84 | 7.82 | 7.81 | 7.80 | 7.78 | 7.77 | 7.76 | 7.75 |
| 15 | 15 | 455 | 7.73 | 7.72 | 7.71 | 7.70 | 7.68 | 7.67 | 7.66 | 7.65 | 7.63 | 7.62 |
| 15 | 15 | 465 | 7.61 | 7.60 | 7.58 | 7.57 | 7.56 | 7.55 | 7.54 | 7.52 | 7.51 | 7.50 |
| 15 | 15 | 475 | 7.49 | 7.48 | 7.46 | 7.45 | 7.44 | 7.43 | 7.42 | 7.40 | 7.39 | 7.38 |
| 15 | 15 | 485 | 7.37 | 7.36 | 7.35 | 7.33 | 7.32 | 7.31 | 7.30 | 7.29 | 7.28 | 7.27 |
| 15 | 15 | 495 | 7.25 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.18 | 7.17 | 7.15 |
| 15 | 15 | 505 | 7.14 | 7.13 | 7.12 | 7.11 | 7.10 | 7.09 | 7.08 | 7.07 | 7.06 | 7.05 |
| 15 | 15 | 515 | 7.03 | 7.02 | 7.01 | | | | | | | |
| 16 | 16 | 518 | 7.00 | 6.99 | 6.98 | 6.97 | 6.96 | 6.95 | 6.94 | 6.98 | | |

INTERMEDIATE REPORT

Biochemical Oxygen Demand LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 |
| 1 | 1 | 11 | 16.08 | 16.08 | 16.08 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 |
| 1 | 1 | 21 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.08 |
| 1 | 1 | 31 | 16.08 | 16.08 | 16.09 | | | | | | | |
| 2 | 2 | 34 | 16.14 | 16.19 | 16.24 | 16.30 | 16.35 | 16.40 | 16.45 | 16.50 | 16.55 | 16.61 |
| 2 | 2 | 44 | 16.66 | 16.71 | 16.76 | 16.81 | 16.86 | 16.91 | 16.96 | 17.01 | 17.06 | 17.11 |
| 2 | 2 | 54 | 17.16 | 17.21 | 17.25 | 17.30 | 17.35 | 17.40 | 17.45 | 17.49 | 17.54 | 17.59 |
| 2 | 2 | 64 | 17.64 | 17.68 | 17.73 | 17.78 | 17.82 | 17.87 | 17.92 | 17.96 | 18.01 | 18.06 |
| 2 | 2 | 74 | 18.10 | 18.15 | 18.19 | 18.24 | 18.28 | 18.33 | 18.37 | 18.42 | 18.46 | 18.50 |
| 2 | 2 | 84 | 18.55 | 18.59 | 18.63 | 18.68 | 18.72 | 18.76 | 18.81 | 18.85 | 18.89 | 18.93 |
| 2 | 2 | 94 | 18.98 | 19.02 | 19.06 | 19.10 | 19.14 | 19.19 | 19.23 | 19.27 | 19.31 | 19.35 |
| 2 | 2 | 104 | 19.39 | 19.43 | 19.47 | 19.51 | 19.55 | 19.59 | 19.63 | 19.67 | 19.71 | 19.75 |
| 2 | 2 | 114 | 19.79 | 19.83 | 19.87 | 19.91 | 19.95 | 19.98 | 20.02 | 20.06 | 20.10 | 20.14 |
| 2 | 2 | 124 | 20.17 | 20.21 | 20.25 | 20.29 | 20.32 | 20.36 | 20.40 | 20.44 | 20.47 | 20.51 |
| 2 | 2 | 134 | 20.55 | 20.58 | 20.62 | 20.65 | 20.69 | 20.73 | 20.76 | 20.80 | 20.83 | 20.87 |
| 2 | 2 | 144 | 20.90 | 20.94 | 20.97 | 21.01 | 21.04 | 21.08 | 21.11 | 21.14 | 21.18 | 21.21 |
| 2 | 2 | 154 | 21.25 | 21.28 | 21.31 | 21.35 | 21.38 | 21.41 | 21.44 | | | |
| 3 | 3 | 161 | 21.42 | 21.38 | 21.35 | 21.31 | 21.28 | 21.25 | 21.21 | 21.18 | 21.15 | 21.11 |
| 3 | 3 | 171 | 21.08 | 21.05 | 21.01 | 20.98 | 20.95 | 20.91 | 20.88 | 20.85 | 20.82 | 20.78 |
| 3 | 3 | 181 | 20.75 | 20.72 | 20.68 | 20.65 | 20.62 | 20.59 | 20.55 | 20.52 | 20.49 | 20.46 |
| 3 | 3 | 191 | 20.42 | 20.39 | 20.36 | 20.33 | 20.30 | 20.26 | 20.23 | 20.20 | 20.17 | 20.14 |
| 3 | 3 | 201 | 20.10 | 20.07 | 20.04 | 20.01 | 19.98 | 19.95 | 19.91 | 19.88 | 19.85 | 19.82 |
| 3 | 3 | 211 | 19.78 | 19.66 | | | | | | | | |
| 4 | 4 | 213 | 17.83 | 17.79 | 17.75 | 17.71 | 17.67 | 17.63 | 17.59 | 17.56 | 17.52 | 17.48 |
| 4 | 4 | 223 | 17.44 | 17.40 | 17.36 | 17.32 | 17.29 | 17.25 | 17.21 | 17.17 | 17.13 | 17.09 |
| 4 | 4 | 233 | 17.06 | 17.02 | 16.98 | 16.94 | 16.91 | 16.87 | 16.83 | 16.79 | 16.76 | 16.72 |
| 4 | 4 | 243 | 16.68 | 16.65 | 16.61 | 16.57 | 16.54 | 16.50 | 16.46 | 16.43 | 16.39 | 16.36 |
| 5 | 5 | 253 | 16.33 | 16.28 | 16.22 | 16.16 | 16.10 | 16.05 | 15.99 | 15.93 | 15.88 | 15.82 |
| 5 | 5 | 263 | 15.77 | 15.71 | 15.65 | 15.60 | 15.54 | 15.49 | 15.44 | 15.38 | 15.33 | 15.27 |
| 5 | 5 | 273 | 15.22 | 15.17 | 15.11 | 15.06 | 15.01 | 14.95 | 14.90 | 14.85 | 14.80 | 14.74 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 283 | 14.69 | 14.64 | 14.59 | 14.54 | 14.49 | 14.44 | 14.39 | 14.34 | 14.29 | 14.24 |
| 5 | 5 | 293 | 14.19 | 14.14 | 14.09 | 14.04 | 13.99 | 13.94 | 13.89 | 13.85 | 13.80 | 13.75 |
| 5 | 5 | 303 | 13.70 | 13.65 | 13.61 | 13.56 | 13.51 | 13.47 | 13.42 | 13.37 | 13.33 | 13.28 |
| 5 | 5 | 313 | 13.23 | 13.19 | 13.14 | | | | | | | |
| 6 | 6 | 316 | 13.08 | 13.02 | 12.96 | 12.90 | 12.84 | 12.79 | 12.73 | 12.67 | 12.61 | 12.56 |
| 6 | 6 | 326 | 12.50 | 12.44 | 12.39 | 12.33 | 12.28 | 12.22 | 12.17 | 12.11 | 12.06 | 12.01 |
| 6 | 6 | 336 | 11.95 | 11.90 | 11.85 | 11.79 | 11.74 | 11.69 | 11.63 | 11.58 | 11.49 | 11.20 |
| 17 | 17 | 526 | 9.10 | 9.09 | 9.08 | 9.07 | 9.02 | 8.31 | | | | |
| 7 | 7 | 346 | 2.95 | 2.54 | 2.19 | 1.89 | 1.63 | 1.40 | 1.21 | 1.04 | 0.90 | 0.78 |
| 7 | 7 | 356 | 0.67 | 0.58 | 0.50 | 0.43 | 0.37 | 0.32 | 0.28 | 0.24 | 0.21 | 0.18 |
| 7 | 7 | 366 | 0.15 | 0.13 | | | | | | | | |
| 8 | 8 | 368 | 2.80 | 2.93 | 2.96 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | |
| 9 | 9 | 377 | 3.60 | 4.05 | 4.38 | 4.63 | 4.82 | 4.98 | 5.10 | 5.19 | 5.27 | 5.34 |
| 9 | 9 | 387 | 5.39 | 5.43 | 5.47 | | | | | | | |
| 10 | 10 | 390 | 5.50 | 5.53 | 5.56 | 5.59 | 5.61 | 5.64 | 5.67 | 5.69 | 5.72 | |
| 11 | 11 | 399 | 5.74 | 5.75 | 5.76 | 5.78 | 5.79 | 5.81 | 5.82 | 5.83 | 5.85 | 5.86 |
| 11 | 11 | 409 | 5.87 | 5.89 | 5.90 | 5.91 | 5.92 | 5.94 | 5.95 | 5.96 | 5.97 | |
| 12 | 12 | 418 | 6.00 | 6.03 | 6.05 | 6.08 | 6.10 | 6.13 | 6.15 | 6.17 | 6.20 | 6.22 |
| 12 | 12 | 428 | 6.25 | 6.27 | 6.36 | | | | | | | |
| 13 | 13 | 431 | 8.06 | 8.05 | | | | | | | | |
| 14 | 14 | 433 | 8.03 | 8.02 | 8.01 | 7.99 | 7.98 | 7.96 | 7.95 | 7.93 | 7.92 | 7.90 |
| 14 | 14 | 443 | 7.89 | 7.88 | | | | | | | | |
| 15 | 15 | 445 | 7.86 | 7.85 | 7.84 | 7.82 | 7.81 | 7.80 | 7.78 | 7.77 | 7.76 | 7.75 |
| 15 | 15 | 455 | 7.73 | 7.72 | 7.71 | 7.70 | 7.68 | 7.67 | 7.66 | 7.65 | 7.63 | 7.62 |
| 15 | 15 | 465 | 7.61 | 7.60 | 7.58 | 7.57 | 7.56 | 7.55 | 7.54 | 7.52 | 7.51 | 7.50 |
| 15 | 15 | 475 | 7.49 | 7.48 | 7.46 | 7.45 | 7.44 | 7.43 | 7.42 | 7.40 | 7.39 | 7.38 |
| 15 | 15 | 485 | 7.37 | 7.36 | 7.35 | 7.33 | 7.32 | 7.31 | 7.30 | 7.29 | 7.28 | 7.27 |
| 15 | 15 | 495 | 7.25 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.18 | 7.17 | 7.15 |
| 15 | 15 | 505 | 7.14 | 7.13 | 7.12 | 7.11 | 7.10 | 7.09 | 7.08 | 7.07 | 7.06 | 7.05 |
| 15 | 15 | 515 | 7.03 | 7.02 | 7.01 | | | | | | | |
| 16 | 16 | 518 | 7.00 | 6.99 | 6.98 | 6.97 | 6.96 | 6.95 | 6.94 | 6.98 | | |

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.59 | 1.59 |
| 1 | 1 | 11 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |
| 1 | 1 | 21 | 1.59 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| 1 | 1 | 31 | 1.58 | 1.58 | 1.58 | | | | | | | |
| 2 | 2 | 34 | 1.58 | 1.59 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 |
| 2 | 2 | 44 | 1.61 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 |
| 2 | 2 | 54 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 |
| 2 | 2 | 64 | 1.67 | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 |
| 2 | 2 | 74 | 1.70 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 |
| 2 | 2 | 84 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.76 |
| 2 | 2 | 94 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 |
| 2 | 2 | 104 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.81 | 1.81 | 1.81 |
| 2 | 2 | 114 | 1.81 | 1.82 | 1.82 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 |
| 2 | 2 | 124 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.86 | 1.86 | 1.86 | 1.86 |
| 2 | 2 | 134 | 1.87 | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 144 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 |
| 2 | 2 | 154 | 1.91 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | | | |
| 3 | 3 | 161 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 |
| 3 | 3 | 171 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| 3 | 3 | 181 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 |
| 3 | 3 | 191 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 |
| 3 | 3 | 201 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 |
| 3 | 3 | 211 | 1.87 | 1.87 | | | | | | | | |
| 4 | 4 | 213 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.87 |
| 4 | 4 | 223 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| 4 | 4 | 233 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 |
| 4 | 4 | 243 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| 5 | 5 | 253 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.80 |
| 5 | 5 | 263 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 |
| 5 | 5 | 273 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 |
| 5 | 5 | 283 | 1.76 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| 5 | 5 | 293 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 |
| 5 | 5 | 303 | 1.71 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 |
| 5 | 5 | 313 | 1.69 | 1.69 | 1.69 | | | | | | | |
| 6 | 6 | 316 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 |
| 6 | 6 | 326 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.62 |
| 6 | 6 | 336 | 1.62 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.60 | 1.60 | 1.61 | 1.66 |
| 17 | 17 | 526 | 2.12 | 2.12 | 2.12 | 2.12 | 2.10 | 1.89 | | | | |
| 7 | 7 | 346 | 0.86 | 0.82 | 0.78 | 0.75 | 0.71 | 0.68 | 0.65 | 0.62 | 0.59 | 0.57 |
| 7 | 7 | 356 | 0.54 | 0.52 | 0.49 | 0.47 | 0.45 | 0.43 | 0.41 | 0.39 | 0.37 | 0.36 |
| 7 | 7 | 366 | 0.34 | 0.32 | | | | | | | | |
| 8 | 8 | 368 | 0.74 | 0.77 | 0.78 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | |
| 9 | 9 | 377 | 1.06 | 1.27 | 1.43 | 1.56 | 1.67 | 1.75 | 1.82 | 1.88 | 1.93 | 1.98 |
| 9 | 9 | 387 | 2.01 | 2.05 | 2.07 | | | | | | | |
| 10 | 10 | 390 | 2.06 | 2.04 | 2.03 | 2.01 | 2.00 | 1.98 | 1.97 | 1.95 | 1.94 | |
| 11 | 11 | 399 | 1.93 | 1.93 | 1.92 | 1.91 | 1.91 | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 |
| 11 | 11 | 409 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | 1.83 | 1.83 | |
| 12 | 12 | 418 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 | 1.78 | 1.77 | 1.76 | 1.76 |
| 12 | 12 | 428 | 1.75 | 1.75 | 1.78 | | | | | | | |
| 13 | 13 | 431 | 2.82 | 2.82 | | | | | | | | |
| 14 | 14 | 433 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 |
| 14 | 14 | 443 | 2.80 | 2.79 | | | | | | | | |
| 15 | 15 | 445 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 |
| 15 | 15 | 455 | 2.77 | 2.76 | 2.76 | 2.76 | 2.76 | 2.75 | 2.75 | 2.75 | 2.75 | 2.74 |
| 15 | 15 | 465 | 2.74 | 2.74 | 2.74 | 2.73 | 2.73 | 2.73 | 2.73 | 2.72 | 2.72 | 2.72 |
| 15 | 15 | 475 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 15 | 15 | 485 | 2.69 | 2.69 | 2.69 | 2.69 | 2.68 | 2.68 | 2.68 | 2.68 | 2.67 | 2.67 |
| 15 | 15 | 495 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| 15 | 15 | 505 | 2.65 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.63 | 2.63 |
| 15 | 15 | 515 | 2.62 | 2.62 | 2.62 | | | | | | | |
| 16 | 16 | 518 | 2.62 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.60 | 2.59 | | |

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 21 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 31 | 0.10 | 0.10 | 0.10 | | | | | | | |
| 2 | 2 | 34 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 44 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 54 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 64 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 74 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 84 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 94 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 104 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 114 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 124 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 134 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 144 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 154 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | | | |
| 3 | 3 | 161 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 171 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 181 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 191 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 201 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 211 | 0.11 | 0.11 | | | | | | | | |
| 4 | 4 | 213 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 223 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 233 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 243 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 253 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 263 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 273 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 283 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 293 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 303 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 313 | 0.11 | 0.11 | 0.11 | | | | | | | |
| 6 | 6 | 316 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 6 | 6 | 326 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 6 | 6 | 336 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 17 | 17 | 526 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | | | | |
| 7 | 7 | 346 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 |
| 7 | 7 | 356 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 |
| 7 | 7 | 366 | 0.04 | 0.04 | | | | | | | | |
| 8 | 8 | 368 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | |
| 9 | 9 | 377 | 0.09 | 0.10 | 0.11 | 0.12 | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.15 |
| 9 | 9 | 387 | 0.16 | 0.16 | 0.16 | | | | | | | |
| 10 | 10 | 390 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | |
| 11 | 11 | 399 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 11 | 11 | 409 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | |
| 12 | 12 | 418 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 | 12 | 428 | 0.14 | 0.14 | 0.13 | | | | | | | |
| 13 | 13 | 431 | 0.09 | 0.10 | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 14 | 433 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 14 | 14 | 443 | 0.10 | 0.10 | | | | | | | | |
| 15 | 15 | 445 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 15 | 15 | 455 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 |
| 15 | 15 | 465 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 15 | 15 | 475 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 |
| 15 | 15 | 485 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 15 | 15 | 495 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 15 | 15 | 505 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 |
| 15 | 15 | 515 | 0.14 | 0.14 | 0.14 | | | | | | | |
| 16 | 16 | 518 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | | |

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.56 | 0.55 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 |
| 1 | 1 | 11 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 | 0.51 | 0.50 |
| 1 | 1 | 21 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.47 |
| 1 | 1 | 31 | 0.47 | 0.47 | 0.47 | | | | | | | |
| 2 | 2 | 34 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.43 |
| 2 | 2 | 44 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 |
| 2 | 2 | 54 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 |
| 2 | 2 | 64 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 |
| 2 | 2 | 74 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| 2 | 2 | 84 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.29 |
| 2 | 2 | 94 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 |
| 2 | 2 | 104 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.24 |
| 2 | 2 | 114 | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 124 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 |
| 2 | 2 | 134 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 |
| 2 | 2 | 144 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 |
| 2 | 2 | 154 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | | | |
| 3 | 3 | 161 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 |
| 3 | 3 | 171 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 |
| 3 | 3 | 181 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.26 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 | 2.23 |
| 1 | 1 | 11 | 2.22 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.20 | 2.20 | 2.20 | 2.19 |
| 1 | 1 | 21 | 2.19 | 2.18 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 |
| 1 | 1 | 31 | 2.15 | 2.15 | 2.15 | | | | | | | |
| 2 | 2 | 34 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 44 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 54 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 64 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 74 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 84 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 94 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 104 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 114 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 124 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 134 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 144 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 154 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | | | |
| 3 | 3 | 161 | 2.15 | 2.14 | 2.14 | 2.13 | 2.12 | 2.12 | 2.11 | 2.11 | 2.10 | 2.10 |
| 3 | 3 | 171 | 2.09 | 2.09 | 2.08 | 2.08 | 2.07 | 2.07 | 2.06 | 2.06 | 2.05 | 2.05 |
| 3 | 3 | 181 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3 | 191 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 |
| 3 | 3 | 201 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 |
| 3 | 3 | 211 | 1.98 | 1.98 | | | | | | | | |
| 4 | 4 | 213 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| 4 | 4 | 223 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| 4 | 4 | 233 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| 4 | 4 | 243 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| 5 | 5 | 253 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.91 |
| 5 | 5 | 263 | 1.91 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 |
| 5 | 5 | 273 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 |
| 5 | 5 | 283 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 | 1.85 |
| 5 | 5 | 293 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |
| 5 | 5 | 303 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 |
| 5 | 5 | 313 | 1.80 | 1.80 | 1.80 | | | | | | | |
| 6 | 6 | 316 | 1.80 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 |
| 6 | 6 | 326 | 1.76 | 1.76 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 |
| 6 | 6 | 336 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 | 1.72 | 1.77 |
| 17 | 17 | 526 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.01 | | | | |
| 7 | 7 | 346 | 0.96 | 0.92 | 0.88 | 0.84 | 0.80 | 0.76 | 0.73 | 0.70 | 0.67 | 0.64 |
| 7 | 7 | 356 | 0.61 | 0.58 | 0.55 | 0.53 | 0.50 | 0.48 | 0.46 | 0.44 | 0.42 | 0.40 |
| 7 | 7 | 366 | 0.38 | 0.37 | | | | | | | | |
| 8 | 8 | 368 | 0.82 | 0.86 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | |
| 9 | 9 | 377 | 1.16 | 1.37 | 1.54 | 1.68 | 1.80 | 1.89 | 1.96 | 2.03 | 2.08 | 2.13 |
| 9 | 9 | 387 | 2.17 | 2.21 | 2.24 | | | | | | | |
| 10 | 10 | 390 | 2.22 | 2.20 | 2.19 | 2.17 | 2.15 | 2.14 | 2.12 | 2.10 | 2.09 | |
| 11 | 11 | 399 | 2.08 | 2.08 | 2.07 | 2.06 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.02 |
| 11 | 11 | 409 | 2.02 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.98 | 1.97 | 1.97 | |
| 12 | 12 | 418 | 1.96 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 | 1.89 |
| 12 | 12 | 428 | 1.89 | 1.88 | 1.92 | | | | | | | |
| 13 | 13 | 431 | 2.92 | 2.92 | | | | | | | | |
| 14 | 14 | 433 | 2.92 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.90 | 2.90 | 2.90 |
| 14 | 14 | 443 | 2.90 | 2.90 | | | | | | | | |
| 15 | 15 | 445 | 2.90 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.88 | 2.88 | 2.88 | 2.88 |
| 15 | 15 | 455 | 2.88 | 2.88 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.86 | 2.86 | 2.86 |
| 15 | 15 | 465 | 2.86 | 2.86 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.84 | 2.84 | 2.84 |
| 15 | 15 | 475 | 2.84 | 2.84 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.82 | 2.82 | 2.82 |
| 15 | 15 | 485 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 |
| 15 | 15 | 495 | 2.80 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 |
| 15 | 15 | 505 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.76 | 2.76 |
| 15 | 15 | 515 | 2.76 | 2.76 | 2.76 | | | | | | | |
| 16 | 16 | 518 | 2.75 | 2.75 | 2.75 | 2.75 | 2.74 | 2.74 | 2.74 | 2.73 | | |

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

µg/L — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 70.15 | 70.30 | 70.45 | 70.61 | 70.76 | 70.91 | 71.06 | 71.21 | 71.36 | 71.52 |
| 1 | 1 | 11 | 71.67 | 71.82 | 71.97 | 72.12 | 72.27 | 72.42 | 72.58 | 72.73 | 72.88 | 73.03 |
| 1 | 1 | 21 | 73.18 | 73.33 | 73.48 | 73.64 | 73.79 | 73.94 | 74.09 | 74.24 | 74.39 | 74.55 |
| 1 | 1 | 31 | 74.70 | 74.85 | 75.00 | | | | | | | |
| 2 | 2 | 34 | 75.04 | 75.08 | 75.12 | 75.16 | 75.20 | 75.24 | 75.28 | 75.31 | 75.35 | 75.39 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 44 | 75.43 | 75.47 | 75.51 | 75.55 | 75.59 | 75.63 | 75.67 | 75.71 | 75.75 | 75.79 |
| 2 | 2 | 54 | 75.83 | 75.87 | 75.91 | 75.94 | 75.98 | 76.02 | 76.06 | 76.10 | 76.14 | 76.18 |
| 2 | 2 | 64 | 76.22 | 76.26 | 76.30 | 76.34 | 76.38 | 76.42 | 76.46 | 76.50 | 76.54 | 76.57 |
| 2 | 2 | 74 | 76.61 | 76.65 | 76.69 | 76.73 | 76.77 | 76.81 | 76.85 | 76.89 | 76.93 | 76.97 |
| 2 | 2 | 84 | 77.01 | 77.05 | 77.09 | 77.13 | 77.17 | 77.20 | 77.24 | 77.28 | 77.32 | 77.36 |
| 2 | 2 | 94 | 77.40 | 77.44 | 77.48 | 77.52 | 77.56 | 77.60 | 77.64 | 77.68 | 77.72 | 77.76 |
| 2 | 2 | 104 | 77.80 | 77.83 | 77.87 | 77.91 | 77.95 | 77.99 | 78.03 | 78.07 | 78.11 | 78.15 |
| 2 | 2 | 114 | 78.19 | 78.23 | 78.27 | 78.31 | 78.35 | 78.39 | 78.43 | 78.46 | 78.50 | 78.54 |
| 2 | 2 | 124 | 78.58 | 78.62 | 78.66 | 78.70 | 78.74 | 78.78 | 78.82 | 78.86 | 78.90 | 78.94 |
| 2 | 2 | 134 | 78.98 | 79.02 | 79.06 | 79.09 | 79.13 | 79.17 | 79.21 | 79.25 | 79.29 | 79.33 |
| 2 | 2 | 144 | 79.37 | 79.41 | 79.45 | 79.49 | 79.53 | 79.57 | 79.61 | 79.65 | 79.69 | 79.72 |
| 2 | 2 | 154 | 79.76 | 79.80 | 79.84 | 79.88 | 79.92 | 79.96 | 80.00 | | | |
| 3 | 3 | 161 | 79.62 | 79.23 | 78.85 | 78.46 | 78.08 | 77.69 | 77.31 | 76.92 | 76.54 | 76.15 |
| 3 | 3 | 171 | 75.77 | 75.38 | 75.00 | 74.62 | 74.23 | 73.85 | 73.46 | 73.08 | 72.69 | 72.31 |
| 3 | 3 | 181 | 71.92 | 71.54 | 71.15 | 70.77 | 70.38 | 70.00 | 69.62 | 69.23 | 68.85 | 68.46 |
| 3 | 3 | 191 | 68.08 | 67.69 | 67.31 | 66.92 | 66.54 | 66.15 | 65.77 | 65.38 | 65.00 | 64.62 |
| 3 | 3 | 201 | 64.23 | 63.85 | 63.46 | 63.08 | 62.69 | 62.31 | 61.92 | 61.54 | 61.15 | 60.77 |
| 3 | 3 | 211 | 60.38 | 60.00 | | | | | | | | |
| 4 | 4 | 213 | 59.50 | 59.00 | 58.50 | 58.00 | 57.50 | 57.00 | 56.50 | 56.00 | 55.50 | 55.00 |
| 4 | 4 | 223 | 54.50 | 54.00 | 53.50 | 53.00 | 52.50 | 52.00 | 51.50 | 51.00 | 50.50 | 50.00 |
| 4 | 4 | 233 | 49.50 | 49.00 | 48.50 | 48.00 | 47.50 | 47.00 | 46.50 | 46.00 | 45.50 | 45.00 |
| 4 | 4 | 243 | 44.50 | 44.00 | 43.50 | 43.00 | 42.50 | 42.00 | 41.50 | 41.00 | 40.50 | 40.00 |
| 5 | 5 | 253 | 39.75 | 39.49 | 39.24 | 38.98 | 38.73 | 38.48 | 38.22 | 37.97 | 37.71 | 37.46 |
| 5 | 5 | 263 | 37.21 | 36.95 | 36.70 | 36.44 | 36.19 | 35.94 | 35.68 | 35.43 | 35.17 | 34.92 |
| 5 | 5 | 273 | 34.67 | 34.41 | 34.16 | 33.90 | 33.65 | 33.40 | 33.14 | 32.89 | 32.63 | 32.38 |
| 5 | 5 | 283 | 32.13 | 31.87 | 31.62 | 31.37 | 31.11 | 30.86 | 30.60 | 30.35 | 30.10 | 29.84 |
| 5 | 5 | 293 | 29.59 | 29.33 | 29.08 | 28.83 | 28.57 | 28.32 | 28.06 | 27.81 | 27.56 | 27.30 |
| 5 | 5 | 303 | 27.05 | 26.79 | 26.54 | 26.29 | 26.03 | 25.78 | 25.52 | 25.27 | 25.02 | 24.76 |
| 5 | 5 | 313 | 24.51 | 24.25 | 24.00 | | | | | | | |
| 6 | 6 | 316 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 6 | 6 | 326 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 6 | 6 | 336 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 17 | 17 | 526 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | | | | |
| 7 | 7 | 346 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 7 | 356 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 7 | 366 | 10.00 | 10.00 | | | | | | | | |
| 8 | 8 | 368 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | |
| 9 | 9 | 377 | 11.15 | 12.31 | 13.46 | 14.62 | 15.77 | 16.92 | 18.08 | 19.23 | 20.38 | 21.54 |
| 9 | 9 | 387 | 22.69 | 23.85 | 25.00 | | | | | | | |
| 10 | 10 | 390 | 26.44 | 27.89 | 29.33 | 30.78 | 32.22 | 33.67 | 35.11 | 36.56 | 38.00 | |
| 11 | 11 | 399 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 11 | 11 | 409 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | |
| 12 | 12 | 418 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 12 | 12 | 428 | 38.00 | 38.00 | 38.00 | | | | | | | |
| 13 | 13 | 431 | 38.00 | 38.00 | | | | | | | | |
| 14 | 14 | 433 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 14 | 14 | 443 | 38.00 | 38.00 | | | | | | | | |
| 15 | 15 | 445 | 37.89 | 37.78 | 37.67 | 37.56 | 37.45 | 37.34 | 37.23 | 37.12 | 37.01 | 36.90 |
| 15 | 15 | 455 | 36.79 | 36.68 | 36.58 | 36.47 | 36.36 | 36.25 | 36.14 | 36.03 | 35.92 | 35.81 |
| 15 | 15 | 465 | 35.70 | 35.59 | 35.48 | 35.37 | 35.26 | 35.15 | 35.04 | 34.93 | 34.82 | 34.71 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 15 | 475 | 34.60 | 34.49 | 34.38 | 34.27 | 34.16 | 34.05 | 33.95 | 33.84 | 33.73 | 33.62 |
| 15 | 15 | 485 | 33.51 | 33.40 | 33.29 | 33.18 | 33.07 | 32.96 | 32.85 | 32.74 | 32.63 | 32.52 |
| 15 | 15 | 495 | 32.41 | 32.30 | 32.19 | 32.08 | 31.97 | 31.86 | 31.75 | 31.64 | 31.53 | 31.42 |
| 15 | 15 | 505 | 31.32 | 31.21 | 31.10 | 30.99 | 30.88 | 30.77 | 30.66 | 30.55 | 30.44 | 30.33 |
| 15 | 15 | 515 | 30.22 | 30.11 | 30.00 | | | | | | | |
| 16 | 16 | 518 | 29.25 | 28.50 | 27.75 | 27.00 | 26.25 | 25.50 | 24.75 | 24.00 | | |

INTERMEDIATE REPORT

Temperature LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

deg C Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 31.22 | 31.24 | 31.25 | 31.27 | 31.29 | 31.31 | 31.33 | 31.35 | 31.36 | 31.38 |
| 1 | 1 | 11 | 31.40 | 31.42 | 31.44 | 31.45 | 31.47 | 31.49 | 31.51 | 31.53 | 31.55 | 31.56 |
| 1 | 1 | 21 | 31.58 | 31.60 | 31.62 | 31.64 | 31.65 | 31.67 | 31.69 | 31.71 | 31.73 | 31.75 |
| 1 | 1 | 31 | 31.76 | 31.78 | 31.80 | | | | | | | |
| 2 | 2 | 34 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 44 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 54 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 64 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 74 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 84 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 94 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 104 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 114 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 124 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 134 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 144 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 154 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | | | |
| 3 | 3 | 161 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 171 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 181 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 191 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 201 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 211 | 31.80 | 31.80 | | | | | | | | |
| 4 | 4 | 213 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 223 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 233 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 243 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 253 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 263 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 273 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 283 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 293 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 303 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 313 | 31.80 | 31.80 | 31.80 | | | | | | | |
| 6 | 6 | 316 | 31.82 | 31.83 | 31.85 | 31.87 | 31.88 | 31.90 | 31.92 | 31.93 | 31.95 | 31.97 |
| 6 | 6 | 326 | 31.98 | 32.00 | 32.02 | 32.03 | 32.05 | 32.07 | 32.08 | 32.10 | 32.12 | 32.13 |
| 6 | 6 | 336 | 32.15 | 32.17 | 32.18 | 32.20 | 32.22 | 32.23 | 32.25 | 32.27 | 32.28 | 32.30 |
| 17 | 17 | 526 | 32.28 | 32.27 | 32.25 | 32.23 | 32.22 | 32.20 | | | | |
| 7 | 7 | 346 | 31.48 | 31.45 | 31.43 | 31.41 | 31.39 | 31.36 | 31.34 | 31.32 | 31.30 | 31.27 |
| 7 | 7 | 356 | 31.25 | 31.23 | 31.20 | 31.18 | 31.16 | 31.14 | 31.11 | 31.09 | 31.07 | 31.05 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 366 | 31.02 | 31.00 | | | | | | | | |
| 8 | 8 | 368 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | |
| 9 | 9 | 377 | 31.04 | 31.08 | 31.12 | 31.15 | 31.19 | 31.23 | 31.27 | 31.31 | 31.35 | 31.38 |
| 9 | 9 | 387 | 31.42 | 31.46 | 31.50 | | | | | | | |
| 10 | 10 | 390 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | |
| 11 | 11 | 399 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 |
| 11 | 11 | 409 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | |
| 12 | 12 | 418 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 |
| 12 | 12 | 428 | 31.50 | 31.50 | 31.50 | | | | | | | |
| 13 | 13 | 431 | 31.50 | 31.50 | | | | | | | | |
| 14 | 14 | 433 | 31.57 | 31.63 | 31.70 | 31.77 | 31.83 | 31.90 | 31.97 | 32.03 | 32.10 | 32.17 |
| 14 | 14 | 443 | 32.23 | 32.30 | | | | | | | | |
| 15 | 15 | 445 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 455 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 465 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 475 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 485 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 495 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 505 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 515 | 32.30 | 32.30 | 32.30 | | | | | | | |
| 16 | 16 | 518 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | | |

INTERMEDIATE REPORT

Salinity LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

ppt Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 2 | 2 | 34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 3 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

River Distance LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

km Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 35. | 35. | 35. | 35. | 35. | 35. | 34. | 34. | 34. | 34. |
| 1 | 1 | 11 | 34. | 34. | 34. | 34. | 34. | 34. | 33. | 33. | 33. | 33. |
| 1 | 1 | 21 | 33. | 33. | 33. | 33. | 33. | 33. | 32. | 32. | 32. | 32. |
| 1 | 1 | 31 | 32. | 32. | 32. | | | | | | | |
| 2 | 2 | 34 | 32. | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| 2 | 2 | 44 | 31. | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| 2 | 2 | 54 | 30. | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| 2 | 2 | 64 | 29. | 29. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. |
| 2 | 2 | 74 | 28. | 28. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. |
| 2 | 2 | 84 | 27. | 27. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 94 | 26. | 26. | 25. | 25. | 25. | 25. | 25. | 25. | 25. | 25. |
| 2 | 2 | 104 | 25. | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| 2 | 2 | 114 | 24. | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| 2 | 2 | 124 | 23. | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| 2 | 2 | 134 | 22. | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| 2 | 2 | 144 | 21. | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| 2 | 2 | 154 | 20. | 20. | 19. | 19. | 19. | 19. | 19. | | | |
| 3 | 3 | 161 | 19. | 19. | 19. | 19. | 19. | 18. | 18. | 18. | 18. | 18. |
| 3 | 3 | 171 | 18. | 18. | 18. | 18. | 18. | 17. | 17. | 17. | 17. | 17. |
| 3 | 3 | 181 | 17. | 17. | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. |
| 3 | 3 | 191 | 16. | 16. | 16. | 16. | 16. | 15. | 15. | 15. | 15. | 15. |
| 3 | 3 | 201 | 15. | 15. | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. |
| 3 | 3 | 211 | 14. | 14. | | | | | | | | |
| 4 | 4 | 213 | 14. | 14. | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| 4 | 4 | 223 | 13. | 13. | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| 4 | 4 | 233 | 12. | 12. | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. |
| 4 | 4 | 243 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| 5 | 5 | 253 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| 5 | 5 | 263 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| 5 | 5 | 273 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| 5 | 5 | 283 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| 5 | 5 | 293 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| 5 | 5 | 303 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| 5 | 5 | 313 | 4. | 4. | 4. | | | | | | | |
| 6 | 6 | 316 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| 6 | 6 | 326 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| 6 | 6 | 336 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| 17 | 17 | 526 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| 7 | 7 | 346 | 18. | 18. | 18. | 18. | 17. | 17. | 17. | 17. | 17. | 17. |
| 7 | 7 | 356 | 17. | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. | 16. |
| 7 | 7 | 366 | 16. | 16. | | | | | | | | |
| 8 | 8 | 368 | 16. | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | |
| 9 | 9 | 377 | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| 9 | 9 | 387 | 14. | 14. | 14. | | | | | | | |
| 10 | 10 | 390 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | |
| 11 | 11 | 399 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| 11 | 11 | 409 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | |
| 12 | 12 | 418 | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| 12 | 12 | 428 | 10. | 10. | 9. | | | | | | | |
| 13 | 13 | 431 | 9. | 9. | | | | | | | | |
| 14 | 14 | 433 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. | 8. |
| 14 | 14 | 443 | 8. | 8. | | | | | | | | |
| 15 | 15 | 445 | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. |
| 15 | 15 | 455 | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. |
| 15 | 15 | 465 | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. |
| 15 | 15 | 475 | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. |
| 15 | 15 | 485 | 4. | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. |
| 15 | 15 | 495 | 3. | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. |
| 15 | 15 | 505 | 2. | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. |
| 15 | 15 | 515 | 1. | 1. | 1. | | | | | | | |

16 16 518 1. 1. 0. 0. 0. 0. 0. 0.

INTERMEDIATE REPORT

Flow LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m³/s Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.3 | 17.3 | 17.3 | 17.3 |
| 1 | 1 | 11 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 1 | 1 | 21 | 17.3 | 17.3 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 1 | 1 | 31 | 17.2 | 17.2 | 17.2 | | | | | | | |
| 2 | 2 | 34 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 2 | 2 | 44 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 2 | 2 | 54 | 17.2 | 17.2 | 17.2 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 64 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 74 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 84 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 94 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 104 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2 | 2 | 114 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.0 | 17.0 | 17.0 | 17.0 |
| 2 | 2 | 124 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 2 | 2 | 134 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 2 | 2 | 144 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 2 | 2 | 154 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | | | |
| 3 | 3 | 161 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 3 | 3 | 171 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 3 | 3 | 181 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |
| 3 | 3 | 191 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |
| 3 | 3 | 201 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 |
| 3 | 3 | 211 | 13.0 | 13.0 | | | | | | | | |
| 4 | 4 | 213 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 4 | 4 | 223 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 4 | 4 | 233 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 4 | 4 | 243 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
| 5 | 5 | 253 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 5 | 5 | 263 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 5 | 5 | 273 | 5.3 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 5 | 5 | 283 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 5 | 5 | 293 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 5 | 5 | 303 | 5.2 | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 5 | 5 | 313 | 5.1 | 5.1 | 5.1 | | | | | | | |
| 6 | 6 | 316 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 6 | 6 | 326 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 6 | 6 | 336 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 17 | 17 | 526 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | | | | |
| 7 | 7 | 346 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 366 | 0.0 | 0.0 | | | | | | | | |
| 8 | 8 | 368 | 0.2 | 0.4 | 0.6 | 0.7 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | |
| 9 | 9 | 377 | 1.7 | 1.9 | 2.0 | 2.2 | 2.3 | 2.5 | 2.6 | 2.8 | 3.0 | 3.1 |
| 9 | 9 | 387 | 3.3 | 3.4 | 3.6 | | | | | | | |
| 10 | 10 | 390 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 11 | 399 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 11 | 11 | 409 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |
| 12 | 12 | 418 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 12 | 12 | 428 | 3.6 | 3.6 | 3.6 | | | | | | | |
| 13 | 13 | 431 | 6.8 | 6.8 | | | | | | | | |
| 14 | 14 | 433 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 14 | 14 | 443 | 5.1 | 5.1 | | | | | | | | |
| 15 | 15 | 445 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.2 | 5.2 |
| 15 | 15 | 455 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 465 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 475 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 485 | 5.2 | 5.2 | 5.2 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 495 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 505 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 515 | 5.3 | 5.3 | 5.3 | | | | | | | |
| 16 | 16 | 518 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.4 | 5.4 | 5.4 | | |

INTERMEDIATE REPORT

Dispersion LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m²/s Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | |
| 1 | 1 | 11 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 1 | 1 | 21 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 1 | 1 | 31 | 0.6 | 0.6 | 0.6 | | | | | | | |
| 2 | 2 | 34 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 44 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 54 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 64 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 74 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 84 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 94 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 104 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 114 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 124 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 134 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 144 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 154 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | |
| 3 | 3 | 161 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 171 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 181 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 191 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 201 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 211 | 0.4 | 0.4 | | | | | | | | |
| 4 | 4 | 213 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 223 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 233 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 243 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 253 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 263 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 273 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 283 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 293 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 303 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 313 | 0.3 | 0.3 | 0.3 | | | | | | | |
| 6 | 6 | 316 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 | 6 | 326 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 | 6 | 336 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 17 | 17 | 526 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| 7 | 7 | 346 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 366 | 0.0 | 0.0 | | | | | | | | |
| 8 | 8 | 368 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | 9 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 9 | 387 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 10 | 10 | 390 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 11 | 399 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 11 | 11 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | |
| 12 | 12 | 418 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 12 | 12 | 428 | 0.2 | 0.2 | 0.2 | | | | | | | |
| 13 | 13 | 431 | 0.1 | 0.1 | | | | | | | | |
| 14 | 14 | 433 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 | 14 | 443 | 0.1 | 0.1 | | | | | | | | |
| 15 | 15 | 445 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 455 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 465 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 475 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 485 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 495 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 505 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 515 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 16 | 16 | 518 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |

INTERMEDIATE REPORT

Advective Velocity m/s — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| 1 | 1 | 11 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| 1 | 1 | 21 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| 1 | 1 | 31 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 2 | 2 | 34 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 44 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 54 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 64 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 74 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 84 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 94 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 104 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 114 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 124 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 134 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 144 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 154 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| 3 | 3 | 161 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 171 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 181 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 191 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 201 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 211 | 0.1 | 0.1 | | | | | | | | |
| 4 | 4 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 243 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 | 5 | 253 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 263 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 273 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 283 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 293 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 303 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 313 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 6 | 6 | 316 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 6 | 326 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 6 | 336 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 17 | 526 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | |
| 7 | 7 | 346 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 366 | 0.0 | 0.0 | | | | | | | | |
| 8 | 8 | 368 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | 9 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 9 | 387 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 10 | 10 | 390 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 11 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 11 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 12 | 12 | 418 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 12 | 428 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 13 | 13 | 431 | 0.1 | 0.1 | | | | | | | | |
| 14 | 14 | 433 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 | 14 | 443 | 0.1 | 0.1 | | | | | | | | |
| 15 | 15 | 445 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 455 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 465 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 475 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 485 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 495 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 505 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 515 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 16 | 16 | 518 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |

INTERMEDIATE REPORT

Depth LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 | 1 | 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 | 1 | 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 | 1 | 31 | 1.0 | 1.0 | 1.0 | | | | | | | |
| 2 | 2 | 34 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 44 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 54 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 64 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 74 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 84 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 94 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 104 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 114 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 124 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 134 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 144 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 2 | 2 | 154 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | |
| 3 | 3 | 161 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | 3 | 171 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | 3 | 181 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | 3 | 191 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | 3 | 201 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | 3 | 211 | 1.8 | 1.8 | | | | | | | | |
| 4 | 4 | 213 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 4 | 4 | 223 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 4 | 4 | 233 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 4 | 4 | 243 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 253 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 263 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 273 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 283 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 293 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 303 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | 5 | 313 | 1.8 | 1.8 | 1.8 | | | | | | | |
| 6 | 6 | 316 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 6 | 6 | 326 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 6 | 6 | 336 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 17 | 17 | 526 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | | | | |
| 7 | 7 | 346 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 7 | 7 | 356 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 7 | 7 | 366 | 1.8 | 1.8 | | | | | | | | |
| 8 | 8 | 368 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 9 | 9 | 377 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 9 | 9 | 387 | 1.8 | 1.8 | 1.8 | | | | | | | |
| 10 | 10 | 390 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 11 | 11 | 399 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 11 | 11 | 409 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 12 | 12 | 418 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 12 | 12 | 428 | 1.4 | 1.4 | 1.4 | | | | | | | |
| 13 | 13 | 431 | 1.4 | 1.4 | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 14 | 433 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 14 | 14 | 443 | 1.4 | 1.4 | | | | | | | | |
| 15 | 15 | 445 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 455 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 465 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 475 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 485 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 495 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 505 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 515 | 1.4 | 1.4 | 1.4 | | | | | | | |
| 16 | 16 | 518 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | | |

INTERMEDIATE REPORT

Width LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 11 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 21 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 31 | 135.0 | 135.0 | 135.0 | | | | | | | |
| 2 | 2 | 34 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 44 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 54 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 64 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 74 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 84 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 94 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 104 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 114 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 124 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 134 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 144 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 154 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | | | |
| 3 | 3 | 161 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 171 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 181 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 191 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 201 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 211 | 90.0 | 90.0 | | | | | | | | |
| 4 | 4 | 213 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 223 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 233 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 243 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 5 | 5 | 253 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 263 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 273 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 283 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 293 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 303 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 313 | 90.0 | 90.0 | 90.0 | | | | | | | |
| 6 | 6 | 316 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 6 | 326 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 6 | 6 | 336 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 17 | 17 | 526 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | | | | |
| 7 | 7 | 346 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 7 | 7 | 356 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 7 | 7 | 366 | 35.0 | 35.0 | | | | | | | | |
| 8 | 8 | 368 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | |
| 9 | 9 | 377 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 9 | 9 | 387 | 983.0 | 983.0 | 983.0 | | | | | | | |
| 10 | 10 | 390 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | |
| 11 | 11 | 399 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 11 | 11 | 409 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| 12 | 12 | 418 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 12 | 12 | 428 | 72.0 | 72.0 | 72.0 | | | | | | | |
| 13 | 13 | 431 | 72.0 | 72.0 | | | | | | | | |
| 14 | 14 | 433 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 14 | 14 | 443 | 70.0 | 70.0 | | | | | | | | |
| 15 | 15 | 445 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 455 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 465 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 475 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 485 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 495 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 505 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 515 | 65.0 | 65.0 | 65.0 | | | | | | | |
| 16 | 16 | 518 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | | |

INTERMEDIATE REPORT

Cross-Sectional Area LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

$m^2$ Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 11 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 21 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 31 | 135.0 | 135.0 | 135.0 | | | | | | | |
| 2 | 2 | 34 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 44 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 54 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 64 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 74 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 84 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 94 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 104 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 114 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 124 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 134 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 144 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 154 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | | | |
| 3 | 3 | 161 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 171 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 181 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3 | 191 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 201 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 211 | 159.1 | 159.1 | | | | | | | | |
| 4 | 4 | 213 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 223 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 233 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 243 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 5 | 5 | 253 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 263 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 273 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 283 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 293 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 303 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 313 | 159.1 | 159.1 | 159.1 | | | | | | | |
| 6 | 6 | 316 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 6 | 6 | 326 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 6 | 6 | 336 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 17 | 17 | 526 | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | | | | |
| 7 | 7 | 346 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 7 | 7 | 356 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 7 | 7 | 366 | 61.9 | 61.9 | | | | | | | | |
| 8 | 8 | 368 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | |
| 9 | 9 | 377 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 |
| 9 | 9 | 387 | 1737.9 | 1737.9 | 1737.9 | | | | | | | |
| 10 | 10 | 390 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | |
| 11 | 11 | 399 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 |
| 11 | 11 | 409 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | |
| 12 | 12 | 418 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 12 | 12 | 428 | 100.9 | 100.9 | 100.9 | | | | | | | |
| 13 | 13 | 431 | 100.9 | 100.9 | | | | | | | | |
| 14 | 14 | 433 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 14 | 14 | 443 | 98.1 | 98.1 | | | | | | | | |
| 15 | 15 | 445 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 455 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 465 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 475 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 485 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 495 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 505 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 515 | 91.1 | 91.1 | 91.1 | | | | | | | |
| 16 | 16 | 518 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | | |

INTERMEDIATE REPORT

Reaeration Rate per day — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.733 | 1.733 | 1.733 | 1.734 | 1.734 | 1.734 | 1.734 | 1.735 | 1.735 | 1.735 |
| 1 | 1 | 11 | 1.735 | 1.735 | 1.736 | 1.736 | 1.736 | 1.736 | 1.737 | 1.737 | 1.737 | 1.737 |
| 1 | 1 | 21 | 1.738 | 1.738 | 1.738 | 1.738 | 1.738 | 1.739 | 1.739 | 1.739 | 1.739 | 1.740 |
| 1 | 1 | 31 | 1.740 | 1.740 | 1.740 | | | | | | | |
| 2 | 2 | 34 | 1.928 | 1.928 | 1.928 | 1.928 | 1.928 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 44 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 | 1.926 | 1.926 | 1.926 | 1.926 |
| 2 | 2 | 54 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.925 | 1.925 | 1.925 |
| 2 | 2 | 64 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.924 |
| 2 | 2 | 74 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 |
| 2 | 2 | 84 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 |
| 2 | 2 | 94 | 1.923 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 |
| 2 | 2 | 104 | 1.922 | 1.922 | 1.922 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 |
| 2 | 2 | 114 | 1.921 | 1.921 | 1.921 | 1.921 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 |
| 2 | 2 | 124 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 |
| 2 | 2 | 134 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 | 1.918 | 1.918 | 1.918 | 1.918 |
| 2 | 2 | 144 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.917 | 1.917 |
| 2 | 2 | 154 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | | | |
| 3 | 3 | 161 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.597 | 0.597 |
| 3 | 3 | 171 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 |
| 3 | 3 | 181 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 |
| 3 | 3 | 191 | 0.596 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 |
| 3 | 3 | 201 | 0.595 | 0.595 | 0.595 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 |
| 3 | 3 | 211 | 0.594 | 0.594 | | | | | | | | |
| 4 | 4 | 213 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 223 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 233 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 243 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 253 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 263 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 273 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 283 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 293 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 303 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 313 | 0.491 | 0.491 | 0.491 | | | | | | | |
| 6 | 6 | 316 | 0.491 | 0.491 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.493 |
| 6 | 6 | 326 | 0.493 | 0.493 | 0.493 | 0.493 | 0.493 | 0.493 | 0.494 | 0.494 | 0.494 | 0.494 |
| 6 | 6 | 336 | 0.494 | 0.494 | 0.494 | 0.494 | 0.495 | 0.495 | 0.495 | 0.495 | 0.495 | 0.495 |
| 17 | 17 | 526 | 0.855 | 0.855 | 0.854 | 0.854 | 0.854 | 0.854 | | | | |
| 7 | 7 | 346 | 0.488 | 0.488 | 0.488 | 0.488 | 0.488 | 0.488 | 0.487 | 0.487 | 0.487 | 0.487 |
| 7 | 7 | 356 | 0.487 | 0.486 | 0.486 | 0.486 | 0.486 | 0.486 | 0.485 | 0.485 | 0.485 | 0.485 |
| 7 | 7 | 366 | 0.485 | 0.485 | | | | | | | | |
| 8 | 8 | 368 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | |
| 9 | 9 | 377 | 0.644 | 0.645 | 0.645 | 0.645 | 0.646 | 0.646 | 0.647 | 0.647 | 0.648 | 0.648 |
| 9 | 9 | 387 | 0.648 | 0.649 | 0.649 | | | | | | | |
| 10 | 10 | 390 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | |
| 11 | 11 | 399 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 |
| 11 | 11 | 409 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | |
| 12 | 12 | 418 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 |
| 12 | 12 | 428 | 0.616 | 0.616 | 0.616 | | | | | | | |
| 13 | 13 | 431 | 0.761 | 0.761 | | | | | | | | |
| 14 | 14 | 433 | 0.667 | 0.668 | 0.669 | 0.670 | 0.671 | 0.672 | 0.673 | 0.674 | 0.675 | 0.675 |
| 14 | 14 | 443 | 0.676 | 0.677 | | | | | | | | |
| 15 | 15 | 445 | 0.703 | 0.703 | 0.703 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.705 | 0.705 |
| 15 | 15 | 455 | 0.705 | 0.705 | 0.705 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.707 |
| 15 | 15 | 465 | 0.707 | 0.707 | 0.707 | 0.707 | 0.708 | 0.708 | 0.708 | 0.708 | 0.708 | 0.709 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 15 | 475 | 0.709 | 0.709 | 0.709 | 0.709 | 0.710 | 0.710 | 0.710 | 0.710 | 0.710 | 0.710 |
| 15 | 15 | 485 | 0.711 | 0.711 | 0.711 | 0.711 | 0.711 | 0.712 | 0.712 | 0.712 | 0.712 | 0.712 |
| 15 | 15 | 495 | 0.713 | 0.713 | 0.713 | 0.713 | 0.713 | 0.713 | 0.714 | 0.714 | 0.714 | 0.714 |
| 15 | 15 | 505 | 0.714 | 0.715 | 0.715 | 0.715 | 0.715 | 0.715 | 0.716 | 0.716 | 0.716 | 0.716 |
| 15 | 15 | 515 | 0.716 | 0.716 | 0.717 | | | | | | | |
| 16 | 16 | 518 | 0.717 | 0.717 | 0.717 | 0.718 | 0.718 | 0.718 | 0.718 | 0.718 | | |

INTERMEDIATE REPORT

BOD Decay Rate per day — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 1 | 1 | 11 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 1 | 1 | 21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 1 | 1 | 31 | 0.21 | 0.21 | 0.21 | | | | | | | |
| 2 | 2 | 34 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 44 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 54 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 64 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 74 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 84 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 94 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 104 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 114 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 124 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 134 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 144 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 154 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | | | |
| 3 | 3 | 161 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 171 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 181 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 191 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 201 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 211 | 0.09 | 0.09 | | | | | | | | |
| 4 | 4 | 213 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 223 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 233 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 243 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 253 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 263 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 273 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 283 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 293 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 303 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 313 | 0.09 | 0.09 | 0.09 | | | | | | | |
| 6 | 6 | 316 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 6 | 6 | 326 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 6 | 6 | 336 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 17 | 17 | 526 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| 7 | 7 | 346 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 7 | 7 | 356 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 366 | 0.08 | 0.08 | | | | | | | | |
| 8 | 8 | 368 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 9 | 9 | 377 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 9 | 9 | 387 | 0.08 | 0.08 | 0.08 | | | | | | | |
| 10 | 10 | 390 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 11 | 11 | 399 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 11 | 11 | 409 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 12 | 12 | 418 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 12 | 12 | 428 | 0.08 | 0.08 | 0.08 | | | | | | | |
| 13 | 13 | 431 | 0.08 | 0.08 | | | | | | | | |
| 14 | 14 | 433 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 14 | 14 | 443 | 0.09 | 0.09 | | | | | | | | |
| 15 | 15 | 445 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 455 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 465 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 475 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 485 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 495 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 505 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 515 | 0.09 | 0.09 | 0.09 | | | | | | | |
| 16 | 16 | 518 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | |

INTERMEDIATE REPORT

BOD Settling Rate per day — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 2 | 2 | 34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 3 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

Ammonia Decay Rate per day — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 1 | 1 | 11 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 1 | 1 | 21 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 1 | 1 | 31 | 0.36 | 0.37 | 0.37 | | | | | | | |
| 2 | 2 | 34 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 2 | 2 | 44 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 54 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 64 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 74 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 84 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 94 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 104 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 114 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 124 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 134 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 144 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 154 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | | | |
| 3 | 3 | 161 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 171 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 181 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 191 | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 3 | 3 | 201 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 3 | 3 | 211 | 0.38 | 0.38 | | | | | | | | |
| 4 | 4 | 213 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 223 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 233 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 243 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 253 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 263 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 273 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 283 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 293 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 5 | 5 | 303 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 5 | 5 | 313 | 0.37 | 0.37 | 0.37 | | | | | | | |
| 6 | 6 | 316 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 6 | 6 | 326 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 |
| 6 | 6 | 336 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 17 | 17 | 526 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | | | | |
| 7 | 7 | 346 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 7 | 7 | 356 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 7 | 7 | 366 | 0.22 | 0.22 | | | | | | | | |
| 8 | 8 | 368 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | |
| 9 | 9 | 377 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.24 |
| 9 | 9 | 387 | 0.24 | 0.24 | 0.24 | | | | | | | |
| 10 | 10 | 390 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | |
| 11 | 11 | 399 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 11 | 11 | 409 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | |
| 12 | 12 | 418 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 12 | 12 | 428 | 0.35 | 0.35 | 0.35 | | | | | | | |
| 13 | 13 | 431 | 0.35 | 0.35 | | | | | | | | |
| 14 | 14 | 433 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 |
| 14 | 14 | 443 | 0.37 | 0.38 | | | | | | | | |
| 15 | 15 | 445 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 455 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 465 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 475 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 485 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 495 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 505 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 515 | 0.38 | 0.38 | 0.38 | | | | | | | |

16 16 518 0.38 0.38 0.38 0.38 0.38 0.38 0.38 0.38

INTERMEDIATE REPORT

Sediment Oxygen Demand LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

g/m²/d Baseline Simulation for Lake Penchant and Bayou Penchant model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 5.07 | 5.07 | 5.08 | 5.08 | 5.09 | 5.10 | 5.10 | 5.11 | 5.11 | 5.12 |
| 1 | 1 | 11 | 5.13 | 5.13 | 5.14 | 5.14 | 5.15 | 5.15 | 5.16 | 5.17 | 5.17 | 5.18 |
| 1 | 1 | 21 | 5.18 | 5.19 | 5.20 | 5.20 | 5.21 | 5.21 | 5.22 | 5.23 | 5.23 | 5.24 |
| 1 | 1 | 31 | 5.24 | 5.25 | 5.26 | | | | | | | |
| 2 | 2 | 34 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 44 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 54 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 64 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 74 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 84 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 94 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 104 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 114 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 124 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 134 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 144 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 154 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | | | |
| 3 | 3 | 161 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 171 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 181 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 191 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 201 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 211 | 3.15 | 3.15 | | | | | | | | |
| 4 | 4 | 213 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 223 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 233 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 243 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 253 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 263 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 273 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 283 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 293 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 303 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 313 | 3.15 | 3.15 | 3.15 | | | | | | | |
| 6 | 6 | 316 | 3.16 | 3.16 | 3.16 | 3.17 | 3.17 | 3.17 | 3.18 | 3.18 | 3.18 | 3.19 |
| 6 | 6 | 326 | 3.19 | 3.19 | 3.20 | 3.20 | 3.20 | 3.21 | 3.21 | 3.21 | 3.22 | 3.22 |
| 6 | 6 | 336 | 3.22 | 3.23 | 3.23 | 3.23 | 3.24 | 3.24 | 3.24 | 3.25 | 3.25 | 3.25 |
| 17 | 17 | 526 | 3.25 | 3.25 | 3.24 | 3.24 | 3.24 | 3.23 | | | | |
| 7 | 7 | 346 | 3.09 | 3.09 | 3.08 | 3.08 | 3.07 | 3.07 | 3.06 | 3.06 | 3.06 | 3.05 |
| 7 | 7 | 356 | 3.05 | 3.04 | 3.04 | 3.03 | 3.03 | 3.02 | 3.02 | 3.02 | 3.01 | 3.01 |
| 7 | 7 | 366 | 3.00 | 3.00 | | | | | | | | |
| 8 | 8 | 368 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | |
| 9 | 9 | 377 | 3.01 | 3.01 | 3.02 | 3.03 | 3.04 | 3.04 | 3.05 | 3.06 | 3.06 | 3.07 |
| 9 | 9 | 387 | 3.08 | 3.09 | 3.09 | | | | | | | |
| 10 | 10 | 390 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 11 | 399 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 |
| 11 | 11 | 409 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | |
| 12 | 12 | 418 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 |
| 12 | 12 | 428 | 5.78 | 5.78 | 5.78 | | | | | | | |
| 13 | 13 | 431 | 3.09 | 3.09 | | | | | | | | |
| 14 | 14 | 433 | 3.11 | 3.12 | 3.13 | 3.15 | 3.16 | 3.17 | 3.19 | 3.20 | 3.21 | 3.23 |
| 14 | 14 | 443 | 3.24 | 3.25 | | | | | | | | |
| 15 | 15 | 445 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 455 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 465 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 475 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 485 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 495 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 505 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 515 | 3.25 | 3.25 | 3.25 | | | | | | | |
| 16 | 16 | 518 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | | |

CONDENSED CAPSULE SUMMARY FOR Bayou Chene

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 17.38664 | 30.00 | 0.00 | 6.20 | 16.08 | 0.00 | 1.60 | 0.10 | 70.00 | | | | | | | |
| 35.00 | 17.38058 | 31.22 | 0.00 | 6.19 | 16.08 | 0.00 | 1.60 | 0.10 | 70.15 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 34.90 | 17.37452 | 31.24 | 0.00 | 6.19 | 16.08 | 0.00 | 1.60 | 0.10 | 70.30 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 34.80 | 17.36846 | 31.25 | 0.00 | 6.18 | 16.08 | 0.00 | 1.60 | 0.10 | 70.45 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 34.70 | 17.36240 | 31.27 | 0.00 | 6.18 | 16.08 | 0.00 | 1.60 | 0.10 | 70.61 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 34.60 | 17.35634 | 31.29 | 0.00 | 6.17 | 16.08 | 0.00 | 1.60 | 0.10 | 70.76 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.09 |
| 34.50 | 17.35028 | 31.31 | 0.00 | 6.17 | 16.08 | 0.00 | 1.60 | 0.10 | 70.91 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 34.40 | 17.34422 | 31.33 | 0.00 | 6.16 | 16.08 | 0.00 | 1.60 | 0.10 | 71.06 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 34.30 | 17.33816 | 31.35 | 0.00 | 6.16 | 16.08 | 0.00 | 1.60 | 0.10 | 71.21 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 34.20 | 17.33210 | 31.36 | 0.00 | 6.16 | 16.08 | 0.00 | 1.59 | 0.10 | 71.36 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 34.10 | 17.32604 | 31.38 | 0.00 | 6.15 | 16.08 | 0.00 | 1.59 | 0.10 | 71.52 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.12 |
| 34.00 | 17.31998 | 31.40 | 0.00 | 6.15 | 16.08 | 0.00 | 1.59 | 0.10 | 71.67 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.13 |
| 33.90 | 17.31392 | 31.42 | 0.00 | 6.14 | 16.08 | 0.00 | 1.59 | 0.10 | 71.82 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.13 |
| 33.80 | 17.30787 | 31.44 | 0.00 | 6.14 | 16.08 | 0.00 | 1.59 | 0.10 | 71.97 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 33.70 | 17.30181 | 31.45 | 0.00 | 6.14 | 16.09 | 0.00 | 1.59 | 0.10 | 72.12 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 33.60 | 17.29575 | 31.47 | 0.00 | 6.13 | 16.09 | 0.00 | 1.59 | 0.10 | 72.27 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 33.50 | 17.28969 | 31.49 | 0.00 | 6.13 | 16.09 | 0.00 | 1.59 | 0.10 | 72.42 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 33.40 | 17.28363 | 31.51 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.58 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.16 |
| 33.30 | 17.27757 | 31.53 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.73 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 33.20 | 17.27151 | 31.55 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.88 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 33.10 | 17.26545 | 31.56 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.03 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 33.00 | 17.25939 | 31.58 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.18 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 32.90 | 17.25333 | 31.60 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.33 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.19 |
| 32.80 | 17.24727 | 31.62 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.48 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 32.70 | 17.24121 | 31.64 | 0.00 | 6.10 | 16.09 | 0.00 | 1.59 | 0.10 | 73.64 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 32.60 | 17.23515 | 31.65 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 73.79 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 32.50 | 17.22909 | 31.67 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 73.94 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 32.40 | 17.22303 | 31.69 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 74.09 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.22 |
| 32.30 | 17.21697 | 31.71 | 0.00 | 6.09 | 16.09 | 0.00 | 1.58 | 0.10 | 74.24 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 32.20 | 17.21091 | 31.73 | 0.00 | 6.09 | 16.09 | 0.00 | 1.58 | 0.10 | 74.39 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.10 | 17.20485 | 31.75 | 0.00 | 6.09 | 16.08 | 0.00 | 1.58 | 0.10 | 74.55 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 32.00 | 17.19879 | 31.76 | 0.00 | 6.09 | 16.08 | 0.00 | 1.58 | 0.10 | 74.70 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 31.90 | 17.19273 | 31.78 | 0.00 | 6.08 | 16.08 | 0.00 | 1.58 | 0.10 | 74.85 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.25 |
| 31.80 | 17.18667 | 31.80 | 0.00 | 6.08 | 16.09 | 0.00 | 1.58 | 0.10 | 75.00 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.26 |
| 31.70 | 17.18510 | 31.80 | 0.00 | 6.08 | 16.14 | 0.00 | 1.58 | 0.10 | 75.04 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.60 | 17.18352 | 31.80 | 0.00 | 6.07 | 16.19 | 0.00 | 1.59 | 0.10 | 75.08 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.50 | 17.18195 | 31.80 | 0.00 | 6.07 | 16.24 | 0.00 | 1.59 | 0.10 | 75.12 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.40 | 17.18037 | 31.80 | 0.00 | 6.06 | 16.30 | 0.00 | 1.59 | 0.10 | 75.16 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.30 | 17.17879 | 31.80 | 0.00 | 6.06 | 16.35 | 0.00 | 1.60 | 0.10 | 75.20 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.20 | 17.17722 | 31.80 | 0.00 | 6.05 | 16.40 | 0.00 | 1.60 | 0.10 | 75.24 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.10 | 17.17564 | 31.80 | 0.00 | 6.05 | 16.45 | 0.00 | 1.60 | 0.10 | 75.28 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.00 | 17.17407 | 31.80 | 0.00 | 6.04 | 16.50 | 0.00 | 1.61 | 0.10 | 75.31 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.90 | 17.17249 | 31.80 | 0.00 | 6.04 | 16.55 | 0.00 | 1.61 | 0.10 | 75.35 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.80 | 17.17092 | 31.80 | 0.00 | 6.04 | 16.61 | 0.00 | 1.61 | 0.10 | 75.39 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.70 | 17.16934 | 31.80 | 0.00 | 6.03 | 16.66 | 0.00 | 1.61 | 0.10 | 75.43 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.60 | 17.16777 | 31.80 | 0.00 | 6.03 | 16.71 | 0.00 | 1.62 | 0.10 | 75.47 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.50 | 17.16619 | 31.80 | 0.00 | 6.02 | 16.76 | 0.00 | 1.62 | 0.10 | 75.51 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.40 | 17.16462 | 31.80 | 0.00 | 6.02 | 16.81 | 0.00 | 1.62 | 0.10 | 75.55 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.30 | 17.16304 | 31.80 | 0.00 | 6.01 | 16.86 | 0.00 | 1.63 | 0.10 | 75.59 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.20 | 17.16146 | 31.80 | 0.00 | 6.01 | 16.91 | 0.00 | 1.63 | 0.10 | 75.63 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.10 | 17.15989 | 31.80 | 0.00 | 6.00 | 16.96 | 0.00 | 1.63 | 0.10 | 75.67 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.00 | 17.15831 | 31.80 | 0.00 | 6.00 | 17.01 | 0.00 | 1.64 | 0.10 | 75.71 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.90 | 17.15674 | 31.80 | 0.00 | 6.00 | 17.06 | 0.00 | 1.64 | 0.10 | 75.75 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.80 | 17.15516 | 31.80 | 0.00 | 5.99 | 17.11 | 0.00 | 1.64 | 0.10 | 75.79 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.70 | 17.15359 | 31.80 | 0.00 | 5.99 | 17.16 | 0.00 | 1.65 | 0.10 | 75.83 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.60 | 17.15201 | 31.80 | 0.00 | 5.98 | 17.21 | 0.00 | 1.65 | 0.10 | 75.87 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.50 | 17.15044 | 31.80 | 0.00 | 5.98 | 17.25 | 0.00 | 1.65 | 0.10 | 75.91 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.40 | 17.14886 | 31.80 | 0.00 | 5.97 | 17.30 | 0.00 | 1.65 | 0.10 | 75.94 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.30 | 17.14729 | 31.80 | 0.00 | 5.97 | 17.35 | 0.00 | 1.66 | 0.10 | 75.98 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.20 | 17.14571 | 31.80 | 0.00 | 5.97 | 17.40 | 0.00 | 1.66 | 0.10 | 76.02 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.10 | 17.14413 | 31.80 | 0.00 | 5.96 | 17.45 | 0.00 | 1.66 | 0.10 | 76.06 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.00 | 17.14256 | 31.80 | 0.00 | 5.96 | 17.49 | 0.00 | 1.67 | 0.10 | 76.10 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.90 | 17.14098 | 31.80 | 0.00 | 5.95 | 17.54 | 0.00 | 1.67 | 0.10 | 76.14 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.80 | 17.13941 | 31.80 | 0.00 | 5.95 | 17.59 | 0.00 | 1.67 | 0.10 | 76.18 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.70 | 17.13783 | 31.80 | 0.00 | 5.95 | 17.64 | 0.00 | 1.67 | 0.10 | 76.22 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.60 | 17.13626 | 31.80 | 0.00 | 5.94 | 17.68 | 0.00 | 1.68 | 0.10 | 76.26 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.50 | 17.13468 | 31.80 | 0.00 | 5.94 | 17.73 | 0.00 | 1.68 | 0.10 | 76.30 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.40 | 17.13311 | 31.80 | 0.00 | 5.93 | 17.78 | 0.00 | 1.68 | 0.10 | 76.34 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.30 | 17.13153 | 31.80 | 0.00 | 5.93 | 17.82 | 0.00 | 1.69 | 0.10 | 76.38 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.20 | 17.12996 | 31.80 | 0.00 | 5.93 | 17.87 | 0.00 | 1.69 | 0.10 | 76.42 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.10 | 17.12838 | 31.80 | 0.00 | 5.92 | 17.92 | 0.00 | 1.69 | 0.10 | 76.46 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.00 | 17.12680 | 31.80 | 0.00 | 5.92 | 17.96 | 0.00 | 1.70 | 0.10 | 76.50 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.90 | 17.12523 | 31.80 | 0.00 | 5.91 | 18.01 | 0.00 | 1.70 | 0.10 | 76.54 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.80 | 17.12365 | 31.80 | 0.00 | 5.91 | 18.06 | 0.00 | 1.70 | 0.10 | 76.57 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.70 | 17.12208 | 31.80 | 0.00 | 5.91 | 18.10 | 0.00 | 1.70 | 0.10 | 76.61 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.60 | 17.12050 | 31.80 | 0.00 | 5.90 | 18.15 | 0.00 | 1.71 | 0.10 | 76.65 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.50 | 17.11893 | 31.80 | 0.00 | 5.90 | 18.19 | 0.00 | 1.71 | 0.10 | 76.69 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.40 | 17.11735 | 31.80 | 0.00 | 5.89 | 18.24 | 0.00 | 1.71 | 0.10 | 76.73 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.30 | 17.11578 | 31.80 | 0.00 | 5.89 | 18.28 | 0.00 | 1.72 | 0.10 | 76.77 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.20 | 17.11420 | 31.80 | 0.00 | 5.89 | 18.33 | 0.00 | 1.72 | 0.10 | 76.81 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.10 | 17.11263 | 31.80 | 0.00 | 5.88 | 18.37 | 0.00 | 1.72 | 0.10 | 76.85 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.00 | 17.11105 | 31.80 | 0.00 | 5.88 | 18.42 | 0.00 | 1.72 | 0.10 | 76.89 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.90 | 17.10947 | 31.80 | 0.00 | 5.87 | 18.46 | 0.00 | 1.73 | 0.10 | 76.93 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.80 | 17.10790 | 31.80 | 0.00 | 5.87 | 18.50 | 0.00 | 1.73 | 0.10 | 76.97 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.70 | 17.10632 | 31.80 | 0.00 | 5.87 | 18.55 | 0.00 | 1.73 | 0.10 | 77.01 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.60 | 17.10475 | 31.80 | 0.00 | 5.86 | 18.59 | 0.00 | 1.74 | 0.10 | 77.05 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.50 | 17.10317 | 31.80 | 0.00 | 5.86 | 18.63 | 0.00 | 1.74 | 0.10 | 77.09 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.40 | 17.10160 | 31.80 | 0.00 | 5.86 | 18.68 | 0.00 | 1.74 | 0.10 | 77.13 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.30 | 17.10002 | 31.80 | 0.00 | 5.85 | 18.72 | 0.00 | 1.74 | 0.10 | 77.17 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.20 | 17.09845 | 31.80 | 0.00 | 5.85 | 18.76 | 0.00 | 1.75 | 0.10 | 77.20 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.10 | 17.09687 | 31.80 | 0.00 | 5.85 | 18.81 | 0.00 | 1.75 | 0.10 | 77.24 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.00 | 17.09529 | 31.80 | 0.00 | 5.84 | 18.85 | 0.00 | 1.75 | 0.10 | 77.28 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.90 | 17.09372 | 31.80 | 0.00 | 5.84 | 18.89 | 0.00 | 1.75 | 0.10 | 77.32 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.80 | 17.09214 | 31.80 | 0.00 | 5.83 | 18.93 | 0.00 | 1.76 | 0.10 | 77.36 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.70 | 17.09057 | 31.80 | 0.00 | 5.83 | 18.98 | 0.00 | 1.76 | 0.10 | 77.40 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.60 | 17.08899 | 31.80 | 0.00 | 5.83 | 19.02 | 0.00 | 1.76 | 0.10 | 77.44 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.50 | 17.08742 | 31.80 | 0.00 | 5.82 | 19.06 | 0.00 | 1.77 | 0.10 | 77.48 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.40 | 17.08584 | 31.80 | 0.00 | 5.82 | 19.10 | 0.00 | 1.77 | 0.10 | 77.52 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.30 | 17.08427 | 31.80 | 0.00 | 5.82 | 19.14 | 0.00 | 1.77 | 0.10 | 77.56 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.20 | 17.08269 | 31.80 | 0.00 | 5.81 | 19.19 | 0.00 | 1.77 | 0.10 | 77.60 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.10 | 17.08112 | 31.80 | 0.00 | 5.81 | 19.23 | 0.00 | 1.78 | 0.10 | 77.64 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.00 | 17.07954 | 31.80 | 0.00 | 5.81 | 19.27 | 0.00 | 1.78 | 0.10 | 77.68 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.90 | 17.07796 | 31.80 | 0.00 | 5.80 | 19.31 | 0.00 | 1.78 | 0.10 | 77.72 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.80 | 17.07639 | 31.80 | 0.00 | 5.80 | 19.35 | 0.00 | 1.78 | 0.10 | 77.76 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.70 | 17.07481 | 31.80 | 0.00 | 5.80 | 19.39 | 0.00 | 1.79 | 0.10 | 77.80 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.60 | 17.07324 | 31.80 | 0.00 | 5.79 | 19.43 | 0.00 | 1.79 | 0.10 | 77.83 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.50 | 17.07166 | 31.80 | 0.00 | 5.79 | 19.47 | 0.00 | 1.79 | 0.10 | 77.87 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.40 | 17.07009 | 31.80 | 0.00 | 5.79 | 19.51 | 0.00 | 1.80 | 0.10 | 77.91 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.30 | 17.06851 | 31.80 | 0.00 | 5.78 | 19.55 | 0.00 | 1.80 | 0.10 | 77.95 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.20 | 17.06694 | 31.80 | 0.00 | 5.78 | 19.59 | 0.00 | 1.80 | 0.10 | 77.99 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.10 | 17.06536 | 31.80 | 0.00 | 5.78 | 19.63 | 0.00 | 1.80 | 0.10 | 78.03 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.00 | 17.06379 | 31.80 | 0.00 | 5.77 | 19.67 | 0.00 | 1.81 | 0.10 | 78.07 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.90 | 17.06221 | 31.80 | 0.00 | 5.77 | 19.71 | 0.00 | 1.81 | 0.10 | 78.11 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.80 | 17.06063 | 31.80 | 0.00 | 5.77 | 19.75 | 0.00 | 1.81 | 0.10 | 78.15 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.70 | 17.05906 | 31.80 | 0.00 | 5.76 | 19.79 | 0.00 | 1.81 | 0.10 | 78.19 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.60 | 17.05748 | 31.80 | 0.00 | 5.76 | 19.83 | 0.00 | 1.82 | 0.10 | 78.23 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.50 | 17.05591 | 31.80 | 0.00 | 5.76 | 19.87 | 0.00 | 1.82 | 0.10 | 78.27 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.40 | 17.05433 | 31.80 | 0.00 | 5.75 | 19.91 | 0.00 | 1.82 | 0.10 | 78.31 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.30 | 17.05276 | 31.80 | 0.00 | 5.75 | 19.95 | 0.00 | 1.82 | 0.10 | 78.35 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.20 | 17.05118 | 31.80 | 0.00 | 5.75 | 19.98 | 0.00 | 1.83 | 0.10 | 78.39 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.10 | 17.04961 | 31.80 | 0.00 | 5.74 | 20.02 | 0.00 | 1.83 | 0.10 | 78.43 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.00 | 17.04803 | 31.80 | 0.00 | 5.74 | 20.06 | 0.00 | 1.83 | 0.10 | 78.46 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.90 | 17.04646 | 31.80 | 0.00 | 5.74 | 20.10 | 0.00 | 1.83 | 0.10 | 78.50 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.80 | 17.04488 | 31.80 | 0.00 | 5.74 | 20.14 | 0.00 | 1.84 | 0.10 | 78.54 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.70 | 17.04330 | 31.80 | 0.00 | 5.73 | 20.17 | 0.00 | 1.84 | 0.10 | 78.58 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.60 | 17.04173 | 31.80 | 0.00 | 5.73 | 20.21 | 0.00 | 1.84 | 0.10 | 78.62 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.50 | 17.04015 | 31.80 | 0.00 | 5.73 | 20.25 | 0.00 | 1.85 | 0.10 | 78.66 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.40 | 17.03858 | 31.80 | 0.00 | 5.72 | 20.29 | 0.00 | 1.85 | 0.10 | 78.70 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.30 | 17.03700 | 31.80 | 0.00 | 5.72 | 20.32 | 0.00 | 1.85 | 0.10 | 78.74 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.20 | 17.03543 | 31.80 | 0.00 | 5.72 | 20.36 | 0.00 | 1.85 | 0.10 | 78.78 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.10 | 17.03385 | 31.80 | 0.00 | 5.71 | 20.40 | 0.00 | 1.86 | 0.11 | 78.82 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.00 | 17.03228 | 31.80 | 0.00 | 5.71 | 20.44 | 0.00 | 1.86 | 0.11 | 78.86 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.90 | 17.03070 | 31.80 | 0.00 | 5.71 | 20.47 | 0.00 | 1.86 | 0.11 | 78.90 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.80 | 17.02913 | 31.80 | 0.00 | 5.71 | 20.51 | 0.00 | 1.86 | 0.11 | 78.94 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.70 | 17.02755 | 31.80 | 0.00 | 5.70 | 20.55 | 0.00 | 1.87 | 0.11 | 78.98 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.60 | 17.02597 | 31.80 | 0.00 | 5.70 | 20.58 | 0.00 | 1.87 | 0.11 | 79.02 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.50 | 17.02440 | 31.80 | 0.00 | 5.70 | 20.62 | 0.00 | 1.87 | 0.11 | 79.06 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.40 | 17.02282 | 31.80 | 0.00 | 5.69 | 20.65 | 0.00 | 1.87 | 0.11 | 79.09 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.30 | 17.02125 | 31.80 | 0.00 | 5.69 | 20.69 | 0.00 | 1.88 | 0.11 | 79.13 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.20 | 17.01967 | 31.80 | 0.00 | 5.69 | 20.73 | 0.00 | 1.88 | 0.11 | 79.17 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.10 | 17.01810 | 31.80 | 0.00 | 5.69 | 20.76 | 0.00 | 1.88 | 0.11 | 79.21 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.00 | 17.01652 | 31.80 | 0.00 | 5.68 | 20.80 | 0.00 | 1.88 | 0.11 | 79.25 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.90 | 17.01495 | 31.80 | 0.00 | 5.68 | 20.83 | 0.00 | 1.89 | 0.11 | 79.29 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.80 | 17.01337 | 31.80 | 0.00 | 5.68 | 20.87 | 0.00 | 1.89 | 0.11 | 79.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.70 | 17.01180 | 31.80 | 0.00 | 5.67 | 20.90 | 0.00 | 1.89 | 0.11 | 79.37 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.60 | 17.01022 | 31.80 | 0.00 | 5.67 | 20.94 | 0.00 | 1.89 | 0.11 | 79.41 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.50 | 17.00864 | 31.80 | 0.00 | 5.67 | 20.97 | 0.00 | 1.89 | 0.11 | 79.45 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.40 | 17.00707 | 31.80 | 0.00 | 5.67 | 21.01 | 0.00 | 1.90 | 0.11 | 79.49 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.30 | 17.00549 | 31.80 | 0.00 | 5.66 | 21.04 | 0.00 | 1.90 | 0.11 | 79.53 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.20 | 17.00392 | 31.80 | 0.00 | 5.66 | 21.08 | 0.00 | 1.90 | 0.11 | 79.57 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.10 | 17.00234 | 31.80 | 0.00 | 5.66 | 21.11 | 0.00 | 1.90 | 0.11 | 79.61 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.00 | 17.00077 | 31.80 | 0.00 | 5.66 | 21.14 | 0.00 | 1.91 | 0.11 | 79.65 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.90 | 16.99919 | 31.80 | 0.00 | 5.65 | 21.18 | 0.00 | 1.91 | 0.11 | 79.69 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.80 | 16.99762 | 31.80 | 0.00 | 5.65 | 21.21 | 0.00 | 1.91 | 0.11 | 79.72 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.70 | 16.99604 | 31.80 | 0.00 | 5.65 | 21.25 | 0.00 | 1.91 | 0.11 | 79.76 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.60 | 16.99446 | 31.80 | 0.00 | 5.65 | 21.28 | 0.00 | 1.92 | 0.11 | 79.80 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.50 | 16.99289 | 31.80 | 0.00 | 5.64 | 21.31 | 0.00 | 1.92 | 0.11 | 79.84 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.40 | 16.99131 | 31.80 | 0.00 | 5.64 | 21.35 | 0.00 | 1.92 | 0.11 | 79.88 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.30 | 16.98974 | 31.80 | 0.00 | 5.64 | 21.38 | 0.00 | 1.92 | 0.11 | 79.92 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.20 | 16.98816 | 31.80 | 0.00 | 5.64 | 21.41 | 0.00 | 1.93 | 0.11 | 79.96 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.10 | 16.98659 | 31.80 | 0.00 | 5.63 | 21.44 | 0.00 | 1.93 | 0.11 | 80.00 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.00 | 13.22594 | 31.80 | 0.00 | 5.68 | 21.42 | 0.00 | 1.93 | 0.11 | 79.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.90 | 13.22209 | 31.80 | 0.00 | 5.73 | 21.38 | 0.00 | 1.93 | 0.11 | 79.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.80 | 13.21825 | 31.80 | 0.00 | 5.79 | 21.35 | 0.00 | 1.93 | 0.11 | 78.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.70 | 13.21440 | 31.80 | 0.00 | 5.84 | 21.31 | 0.00 | 1.92 | 0.11 | 78.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.60 | 13.21056 | 31.80 | 0.00 | 5.89 | 21.28 | 0.00 | 1.92 | 0.11 | 78.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.50 | 13.20671 | 31.80 | 0.00 | 5.94 | 21.25 | 0.00 | 1.92 | 0.11 | 77.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.40 | 13.20286 | 31.80 | 0.00 | 5.99 | 21.21 | 0.00 | 1.92 | 0.11 | 77.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.30 | 13.19902 | 31.80 | 0.00 | 6.04 | 21.18 | 0.00 | 1.92 | 0.11 | 76.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.20 | 13.19517 | 31.80 | 0.00 | 6.09 | 21.15 | 0.00 | 1.92 | 0.11 | 76.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.10 | 13.19133 | 31.80 | 0.00 | 6.14 | 21.11 | 0.00 | 1.92 | 0.11 | 76.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.00 | 13.18748 | 31.80 | 0.00 | 6.19 | 21.08 | 0.00 | 1.92 | 0.11 | 75.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.90 | 13.18363 | 31.80 | 0.00 | 6.23 | 21.05 | 0.00 | 1.91 | 0.11 | 75.38 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.80 | 13.17979 | 31.80 | 0.00 | 6.28 | 21.01 | 0.00 | 1.91 | 0.11 | 75.00 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.70 | 13.17594 | 31.80 | 0.00 | 6.32 | 20.98 | 0.00 | 1.91 | 0.11 | 74.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.60 | 13.17209 | 31.80 | 0.00 | 6.37 | 20.95 | 0.00 | 1.91 | 0.11 | 74.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.50 | 13.16825 | 31.80 | 0.00 | 6.41 | 20.91 | 0.00 | 1.91 | 0.11 | 73.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.40 | 13.16440 | 31.80 | 0.00 | 6.45 | 20.88 | 0.00 | 1.91 | 0.11 | 73.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.30 | 13.16056 | 31.80 | 0.00 | 6.49 | 20.85 | 0.00 | 1.91 | 0.11 | 73.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.20 | 13.15671 | 31.80 | 0.00 | 6.53 | 20.82 | 0.00 | 1.91 | 0.11 | 72.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.10 | 13.15286 | 31.80 | 0.00 | 6.57 | 20.78 | 0.00 | 1.91 | 0.11 | 72.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.00 | 13.14902 | 31.80 | 0.00 | 6.61 | 20.75 | 0.00 | 1.90 | 0.11 | 71.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.90 | 13.14517 | 31.80 | 0.00 | 6.65 | 20.72 | 0.00 | 1.90 | 0.11 | 71.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.80 | 13.14132 | 31.80 | 0.00 | 6.69 | 20.68 | 0.00 | 1.90 | 0.11 | 71.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.70 | 13.13748 | 31.80 | 0.00 | 6.72 | 20.65 | 0.00 | 1.90 | 0.11 | 70.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.60 | 13.13363 | 31.80 | 0.00 | 6.76 | 20.62 | 0.00 | 1.90 | 0.11 | 70.38 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.50 | 13.12979 | 31.80 | 0.00 | 6.80 | 20.59 | 0.00 | 1.90 | 0.11 | 70.00 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.40 | 13.12594 | 31.80 | 0.00 | 6.83 | 20.55 | 0.00 | 1.90 | 0.11 | 69.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.30 | 13.12209 | 31.80 | 0.00 | 6.86 | 20.52 | 0.00 | 1.90 | 0.11 | 69.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.20 | 13.11825 | 31.80 | 0.00 | 6.90 | 20.49 | 0.00 | 1.90 | 0.11 | 68.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.10 | 13.11440 | 31.80 | 0.00 | 6.93 | 20.46 | 0.00 | 1.89 | 0.11 | 68.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.00 | 13.11056 | 31.80 | 0.00 | 6.96 | 20.42 | 0.00 | 1.89 | 0.11 | 68.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 15.90 | 13.10671 | 31.80 | 0.00 | 6.99 | 20.39 | 0.00 | 1.89 | 0.11 | 67.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 15.80 | 13.10286 | 31.80 | 0.00 | 7.02 | 20.36 | 0.00 | 1.89 | 0.11 | 67.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.70 | 13.09902 | 31.80 | 0.00 | 7.05 | 20.33 | 0.00 | 1.89 | 0.11 | 66.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.60 | 13.09517 | 31.80 | 0.00 | 7.08 | 20.30 | 0.00 | 1.89 | 0.11 | 66.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.50 | 13.09132 | 31.80 | 0.00 | 7.11 | 20.26 | 0.00 | 1.89 | 0.11 | 66.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.40 | 13.08748 | 31.80 | 0.00 | 7.14 | 20.23 | 0.00 | 1.89 | 0.11 | 65.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.30 | 13.08363 | 31.80 | 0.00 | 7.16 | 20.20 | 0.00 | 1.89 | 0.11 | 65.38 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.20 | 13.07979 | 31.80 | 0.00 | 7.19 | 20.17 | 0.00 | 1.88 | 0.11 | 65.00 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.10 | 13.07594 | 31.80 | 0.00 | 7.21 | 20.14 | 0.00 | 1.88 | 0.11 | 64.62 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.00 | 13.07209 | 31.80 | 0.00 | 7.24 | 20.10 | 0.00 | 1.88 | 0.11 | 64.23 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.90 | 13.06825 | 31.80 | 0.00 | 7.26 | 20.07 | 0.00 | 1.88 | 0.11 | 63.85 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.80 | 13.06440 | 31.80 | 0.00 | 7.29 | 20.04 | 0.00 | 1.88 | 0.11 | 63.46 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.70 | 13.06056 | 31.80 | 0.00 | 7.31 | 20.01 | 0.00 | 1.88 | 0.11 | 63.08 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.60 | 13.05671 | 31.80 | 0.00 | 7.33 | 19.98 | 0.00 | 1.88 | 0.11 | 62.69 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.50 | 13.05286 | 31.80 | 0.00 | 7.35 | 19.95 | 0.00 | 1.88 | 0.11 | 62.31 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.40 | 13.04902 | 31.80 | 0.00 | 7.37 | 19.91 | 0.00 | 1.88 | 0.11 | 61.92 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.30 | 13.04517 | 31.80 | 0.00 | 7.39 | 19.88 | 0.00 | 1.88 | 0.11 | 61.54 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.20 | 13.04132 | 31.80 | 0.00 | 7.41 | 19.85 | 0.00 | 1.87 | 0.11 | 61.15 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.10 | 13.03748 | 31.80 | 0.00 | 7.43 | 19.82 | 0.00 | 1.87 | 0.11 | 60.77 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.00 | 13.03363 | 31.80 | 0.00 | 7.45 | 19.78 | 0.00 | 1.87 | 0.11 | 60.38 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.90 | 13.02979 | 31.80 | 0.00 | 7.46 | 19.66 | 0.00 | 1.87 | 0.11 | 60.00 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.80 | 14.72381 | 31.80 | 0.00 | 7.22 | 17.83 | 0.00 | 1.88 | 0.10 | 59.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.70 | 14.71881 | 31.80 | 0.00 | 7.25 | 17.79 | 0.00 | 1.88 | 0.10 | 59.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.60 | 14.71381 | 31.80 | 0.00 | 7.29 | 17.75 | 0.00 | 1.88 | 0.11 | 58.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.50 | 14.70881 | 31.80 | 0.00 | 7.32 | 17.71 | 0.00 | 1.88 | 0.11 | 58.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.40 | 14.70381 | 31.80 | 0.00 | 7.35 | 17.67 | 0.00 | 1.88 | 0.11 | 57.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.30 | 14.69881 | 31.80 | 0.00 | 7.37 | 17.63 | 0.00 | 1.88 | 0.11 | 57.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.20 | 14.69381 | 31.80 | 0.00 | 7.40 | 17.59 | 0.00 | 1.87 | 0.11 | 56.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.10 | 14.68881 | 31.80 | 0.00 | 7.43 | 17.56 | 0.00 | 1.87 | 0.11 | 56.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.00 | 14.68381 | 31.80 | 0.00 | 7.45 | 17.52 | 0.00 | 1.87 | 0.11 | 55.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.90 | 14.67881 | 31.80 | 0.00 | 7.48 | 17.48 | 0.00 | 1.87 | 0.11 | 55.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.80 | 14.67381 | 31.80 | 0.00 | 7.50 | 17.44 | 0.00 | 1.87 | 0.11 | 54.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.70 | 14.66881 | 31.80 | 0.00 | 7.52 | 17.40 | 0.00 | 1.87 | 0.11 | 54.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.60 | 14.66381 | 31.80 | 0.00 | 7.54 | 17.36 | 0.00 | 1.87 | 0.11 | 53.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.50 | 14.65880 | 31.80 | 0.00 | 7.56 | 17.32 | 0.00 | 1.86 | 0.11 | 53.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.40 | 14.65380 | 31.80 | 0.00 | 7.58 | 17.29 | 0.00 | 1.86 | 0.11 | 52.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.30 | 14.64880 | 31.80 | 0.00 | 7.59 | 17.25 | 0.00 | 1.86 | 0.11 | 52.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.20 | 14.64380 | 31.80 | 0.00 | 7.61 | 17.21 | 0.00 | 1.86 | 0.11 | 51.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.10 | 14.63880 | 31.80 | 0.00 | 7.63 | 17.17 | 0.00 | 1.86 | 0.11 | 51.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.00 | 14.63380 | 31.80 | 0.00 | 7.64 | 17.13 | 0.00 | 1.86 | 0.11 | 50.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.90 | 14.62880 | 31.80 | 0.00 | 7.65 | 17.09 | 0.00 | 1.86 | 0.11 | 50.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.80 | 14.62380 | 31.80 | 0.00 | 7.67 | 17.06 | 0.00 | 1.85 | 0.11 | 49.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.70 | 14.61880 | 31.80 | 0.00 | 7.68 | 17.02 | 0.00 | 1.85 | 0.11 | 49.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.60 | 14.61380 | 31.80 | 0.00 | 7.69 | 16.98 | 0.00 | 1.85 | 0.11 | 48.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.50 | 14.60880 | 31.80 | 0.00 | 7.70 | 16.94 | 0.00 | 1.85 | 0.11 | 48.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.40 | 14.60380 | 31.80 | 0.00 | 7.70 | 16.91 | 0.00 | 1.85 | 0.11 | 47.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.30 | 14.59880 | 31.80 | 0.00 | 7.71 | 16.87 | 0.00 | 1.85 | 0.11 | 47.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.20 | 14.59380 | 31.80 | 0.00 | 7.72 | 16.83 | 0.00 | 1.85 | 0.11 | 46.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.10 | 14.58880 | 31.80 | 0.00 | 7.72 | 16.79 | 0.00 | 1.84 | 0.11 | 46.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.00 | 14.58380 | 31.80 | 0.00 | 7.73 | 16.76 | 0.00 | 1.84 | 0.11 | 45.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.90 | 14.57880 | 31.80 | 0.00 | 7.73 | 16.72 | 0.00 | 1.84 | 0.11 | 45.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.80 | 14.57380 | 31.80 | 0.00 | 7.73 | 16.68 | 0.00 | 1.84 | 0.11 | 44.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.70 | 14.56880 | 31.80 | 0.00 | 7.73 | 16.65 | 0.00 | 1.84 | 0.11 | 44.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.60 | 14.56380 | 31.80 | 0.00 | 7.74 | 16.61 | 0.00 | 1.84 | 0.11 | 43.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.50 | 14.55880 | 31.80 | 0.00 | 7.74 | 16.57 | 0.00 | 1.83 | 0.11 | 43.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.40 | 14.55380 | 31.80 | 0.00 | 7.73 | 16.54 | 0.00 | 1.83 | 0.11 | 42.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.30 | 14.54880 | 31.80 | 0.00 | 7.73 | 16.50 | 0.00 | 1.83 | 0.11 | 42.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.20 | 14.54380 | 31.80 | 0.00 | 7.73 | 16.46 | 0.00 | 1.83 | 0.11 | 41.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.10 | 14.53880 | 31.80 | 0.00 | 7.73 | 16.43 | 0.00 | 1.83 | 0.11 | 41.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.00 | 14.53380 | 31.80 | 0.00 | 7.72 | 16.39 | 0.00 | 1.83 | 0.11 | 40.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.90 | 14.52880 | 31.80 | 0.00 | 7.72 | 16.36 | 0.00 | 1.83 | 0.11 | 40.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.80 | 5.31413 | 31.80 | 0.00 | 7.71 | 16.33 | 0.00 | 1.83 | 0.11 | 39.75 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.70 | 5.31095 | 31.80 | 0.00 | 7.71 | 16.28 | 0.00 | 1.82 | 0.11 | 39.49 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.60 | 5.30778 | 31.80 | 0.00 | 7.70 | 16.22 | 0.00 | 1.82 | 0.11 | 39.24 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.50 | 5.30460 | 31.80 | 0.00 | 7.69 | 16.16 | 0.00 | 1.82 | 0.11 | 38.98 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.40 | 5.30143 | 31.80 | 0.00 | 7.67 | 16.10 | 0.00 | 1.82 | 0.11 | 38.73 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.30 | 5.29825 | 31.80 | 0.00 | 7.66 | 16.05 | 0.00 | 1.81 | 0.11 | 38.48 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.20 | 5.29508 | 31.80 | 0.00 | 7.65 | 15.99 | 0.00 | 1.81 | 0.11 | 38.22 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.10 | 5.29190 | 31.80 | 0.00 | 7.64 | 15.93 | 0.00 | 1.81 | 0.11 | 37.97 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.00 | 5.28873 | 31.80 | 0.00 | 7.63 | 15.88 | 0.00 | 1.81 | 0.11 | 37.71 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.90 | 5.28555 | 31.80 | 0.00 | 7.62 | 15.82 | 0.00 | 1.80 | 0.11 | 37.46 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.80 | 5.28238 | 31.80 | 0.00 | 7.60 | 15.77 | 0.00 | 1.80 | 0.11 | 37.21 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.70 | 5.27920 | 31.80 | 0.00 | 7.59 | 15.71 | 0.00 | 1.80 | 0.11 | 36.95 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.60 | 5.27603 | 31.80 | 0.00 | 7.58 | 15.65 | 0.00 | 1.80 | 0.11 | 36.70 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.50 | 5.27285 | 31.80 | 0.00 | 7.56 | 15.60 | 0.00 | 1.79 | 0.11 | 36.44 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.40 | 5.26968 | 31.80 | 0.00 | 7.55 | 15.54 | 0.00 | 1.79 | 0.11 | 36.19 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.30 | 5.26651 | 31.80 | 0.00 | 7.53 | 15.49 | 0.00 | 1.79 | 0.11 | 35.94 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.20 | 5.26333 | 31.80 | 0.00 | 7.52 | 15.44 | 0.00 | 1.79 | 0.11 | 35.68 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.10 | 5.26016 | 31.80 | 0.00 | 7.50 | 15.38 | 0.00 | 1.79 | 0.11 | 35.43 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.00 | 5.25698 | 31.80 | 0.00 | 7.49 | 15.33 | 0.00 | 1.78 | 0.11 | 35.17 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.90 | 5.25381 | 31.80 | 0.00 | 7.47 | 15.27 | 0.00 | 1.78 | 0.11 | 34.92 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.80 | 5.25063 | 31.80 | 0.00 | 7.46 | 15.22 | 0.00 | 1.78 | 0.11 | 34.67 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.70 | 5.24746 | 31.80 | 0.00 | 7.44 | 15.17 | 0.00 | 1.78 | 0.11 | 34.41 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.60 | 5.24428 | 31.80 | 0.00 | 7.42 | 15.11 | 0.00 | 1.77 | 0.11 | 34.16 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.50 | 5.24111 | 31.80 | 0.00 | 7.40 | 15.06 | 0.00 | 1.77 | 0.11 | 33.90 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.40 | 5.23793 | 31.80 | 0.00 | 7.39 | 15.01 | 0.00 | 1.77 | 0.11 | 33.65 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.30 | 5.23476 | 31.80 | 0.00 | 7.37 | 14.95 | 0.00 | 1.77 | 0.11 | 33.40 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.20 | 5.23158 | 31.80 | 0.00 | 7.35 | 14.90 | 0.00 | 1.76 | 0.11 | 33.14 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.10 | 5.22841 | 31.80 | 0.00 | 7.33 | 14.85 | 0.00 | 1.76 | 0.11 | 32.89 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.00 | 5.22523 | 31.80 | 0.00 | 7.31 | 14.80 | 0.00 | 1.76 | 0.11 | 32.63 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.90 | 5.22206 | 31.80 | 0.00 | 7.30 | 14.74 | 0.00 | 1.76 | 0.11 | 32.38 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.80 | 5.21888 | 31.80 | 0.00 | 7.28 | 14.69 | 0.00 | 1.76 | 0.11 | 32.13 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.70 | 5.21571 | 31.80 | 0.00 | 7.26 | 14.64 | 0.00 | 1.75 | 0.11 | 31.87 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.60 | 5.21253 | 31.80 | 0.00 | 7.24 | 14.59 | 0.00 | 1.75 | 0.11 | 31.62 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.50 | 5.20936 | 31.80 | 0.00 | 7.22 | 14.54 | 0.00 | 1.75 | 0.11 | 31.37 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.40 | 5.20618 | 31.80 | 0.00 | 7.20 | 14.49 | 0.00 | 1.75 | 0.11 | 31.11 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.30 | 5.20301 | 31.80 | 0.00 | 7.18 | 14.44 | 0.00 | 1.74 | 0.11 | 30.86 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.20 | 5.19983 | 31.80 | 0.00 | 7.16 | 14.39 | 0.00 | 1.74 | 0.11 | 30.60 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.10 | 5.19666 | 31.80 | 0.00 | 7.14 | 14.34 | 0.00 | 1.74 | 0.11 | 30.35 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.00 | 5.19349 | 31.80 | 0.00 | 7.11 | 14.29 | 0.00 | 1.74 | 0.11 | 30.10 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.90 | 5.19031 | 31.80 | 0.00 | 7.09 | 14.24 | 0.00 | 1.74 | 0.11 | 29.84 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.80 | 5.18714 | 31.80 | 0.00 | 7.07 | 14.19 | 0.00 | 1.73 | 0.11 | 29.59 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.70 | 5.18396 | 31.80 | 0.00 | 7.05 | 14.14 | 0.00 | 1.73 | 0.11 | 29.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.60 | 5.18079 | 31.80 | 0.00 | 7.03 | 14.09 | 0.00 | 1.73 | 0.11 | 29.08 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.50 | 5.17761 | 31.80 | 0.00 | 7.01 | 14.04 | 0.00 | 1.73 | 0.11 | 28.83 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.40 | 5.17444 | 31.80 | 0.00 | 6.98 | 13.99 | 0.00 | 1.72 | 0.11 | 28.57 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.30 | 5.17126 | 31.80 | 0.00 | 6.96 | 13.94 | 0.00 | 1.72 | 0.11 | 28.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.20 | 5.16809 | 31.80 | 0.00 | 6.94 | 13.89 | 0.00 | 1.72 | 0.11 | 28.06 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.10 | 5.16491 | 31.80 | 0.00 | 6.92 | 13.85 | 0.00 | 1.72 | 0.11 | 27.81 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.00 | 5.16174 | 31.80 | 0.00 | 6.89 | 13.80 | 0.00 | 1.72 | 0.11 | 27.56 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.90 | 5.15856 | 31.80 | 0.00 | 6.87 | 13.75 | 0.00 | 1.71 | 0.11 | 27.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.80 | 5.15539 | 31.80 | 0.00 | 6.85 | 13.70 | 0.00 | 1.71 | 0.11 | 27.05 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.70 | 5.15221 | 31.80 | 0.00 | 6.82 | 13.65 | 0.00 | 1.71 | 0.11 | 26.79 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.60 | 5.14904 | 31.80 | 0.00 | 6.80 | 13.61 | 0.00 | 1.71 | 0.11 | 26.54 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.50 | 5.14586 | 31.80 | 0.00 | 6.77 | 13.56 | 0.00 | 1.70 | 0.11 | 26.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.40 | 5.14269 | 31.80 | 0.00 | 6.75 | 13.51 | 0.00 | 1.70 | 0.11 | 26.03 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.30 | 5.13951 | 31.80 | 0.00 | 6.72 | 13.47 | 0.00 | 1.70 | 0.11 | 25.78 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.20 | 5.13634 | 31.80 | 0.00 | 6.70 | 13.42 | 0.00 | 1.70 | 0.11 | 25.52 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.10 | 5.13316 | 31.80 | 0.00 | 6.67 | 13.37 | 0.00 | 1.70 | 0.11 | 25.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.00 | 5.12999 | 31.80 | 0.00 | 6.65 | 13.33 | 0.00 | 1.69 | 0.11 | 25.02 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.90 | 5.12681 | 31.80 | 0.00 | 6.62 | 13.28 | 0.00 | 1.69 | 0.11 | 24.76 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.80 | 5.12364 | 31.80 | 0.00 | 6.60 | 13.23 | 0.00 | 1.69 | 0.11 | 24.51 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.70 | 5.12047 | 31.80 | 0.00 | 6.57 | 13.19 | 0.00 | 1.69 | 0.11 | 24.25 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.60 | 5.11729 | 31.80 | 0.00 | 6.55 | 13.14 | 0.00 | 1.69 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.50 | 5.11062 | 31.82 | 0.00 | 6.51 | 13.08 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.40 | 5.10396 | 31.83 | 0.00 | 6.48 | 13.02 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.30 | 5.09729 | 31.85 | 0.00 | 6.45 | 12.96 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.20 | 5.09062 | 31.87 | 0.00 | 6.42 | 12.90 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 3.10 | 5.08396 | 31.88 | 0.00 | 6.39 | 12.84 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 3.00 | 5.07729 | 31.90 | 0.00 | 6.36 | 12.79 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 2.90 | 5.07062 | 31.92 | 0.00 | 6.34 | 12.73 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.80 | 5.06396 | 31.93 | 0.00 | 6.31 | 12.67 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.70 | 5.05729 | 31.95 | 0.00 | 6.28 | 12.61 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.60 | 5.05062 | 31.97 | 0.00 | 6.26 | 12.56 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.50 | 5.04396 | 31.98 | 0.00 | 6.23 | 12.50 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.40 | 5.03729 | 32.00 | 0.00 | 6.21 | 12.44 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.30 | 5.03062 | 32.02 | 0.00 | 6.19 | 12.39 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 2.20 | 5.02396 | 32.03 | 0.00 | 6.16 | 12.33 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.10 | 5.01729 | 32.05 | 0.00 | 6.14 | 12.28 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 2.00 | 5.01062 | 32.07 | 0.00 | 6.12 | 12.22 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.90 | 5.00396 | 32.08 | 0.00 | 6.10 | 12.17 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.80 | 4.99729 | 32.10 | 0.00 | 6.08 | 12.11 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.70 | 4.99062 | 32.12 | 0.00 | 6.06 | 12.06 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.22 |
| 1.60 | 4.98396 | 32.13 | 0.00 | 6.04 | 12.01 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 1.50 | 4.97729 | 32.15 | 0.00 | 6.02 | 11.95 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 1.40 | 4.97062 | 32.17 | 0.00 | 6.01 | 11.90 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.30 | 4.96396 | 32.18 | 0.00 | 5.99 | 11.85 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.20 | 4.95729 | 32.20 | 0.00 | 5.97 | 11.79 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.10 | 4.95062 | 32.22 | 0.00 | 5.96 | 11.74 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 1.00 | 4.94396 | 32.23 | 0.00 | 5.94 | 11.69 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.90 | 4.93729 | 32.25 | 0.00 | 5.93 | 11.63 | 0.00 | 1.60 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.80 | 4.93062 | 32.27 | 0.00 | 5.91 | 11.58 | 0.00 | 1.60 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.70 | 4.92396 | 32.28 | 0.00 | 5.90 | 11.49 | 0.00 | 1.61 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.60 | 4.91729 | 32.30 | 0.00 | 5.92 | 11.20 | 0.00 | 1.66 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.50 | 10.27383 | 32.28 | 0.00 | 6.15 | 9.10 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.40 | 10.27383 | 32.27 | 0.00 | 6.15 | 9.09 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.30 | 10.27383 | 32.25 | 0.00 | 6.14 | 9.08 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.20 | 10.27383 | 32.23 | 0.00 | 6.14 | 9.07 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.10 | 10.27383 | 32.22 | 0.00 | 6.14 | 9.02 | 0.00 | 2.10 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.00 | 10.27383 | 32.20 | 0.00 | 6.13 | 8.31 | 0.00 | 1.89 | 0.12 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |

CONDENSED CAPSULE SUMMARY FOR Station 935

| DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | REAER | ORGN | BOD1 | NH3 | BOD2 | CHLA | BOD2 | RATE | NH3 | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.03776 | 31.10 | 0.00 | 5.00 | 3.42 | 0.00 | 0.90 | 0.10 | 10.00 | | | | | | | | | | | | |
| 17.90 | 0.03776 | 31.48 | 0.00 | 4.91 | 2.95 | 0.00 | 0.86 | 0.10 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.09 | | | | | |
| 17.80 | 0.03776 | 31.45 | 0.00 | 4.90 | 2.54 | 0.00 | 0.82 | 0.10 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.09 | | | | | |
| 17.70 | 0.03776 | 31.43 | 0.00 | 4.94 | 2.19 | 0.00 | 0.78 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.08 | | | | | |
| 17.60 | 0.03776 | 31.41 | 0.00 | 4.98 | 1.89 | 0.00 | 0.75 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.08 | | | | | |
| 17.50 | 0.03776 | 31.39 | 0.00 | 5.04 | 1.63 | 0.00 | 0.71 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.07 | | | | | |
| 17.40 | 0.03776 | 31.36 | 0.00 | 5.09 | 1.40 | 0.00 | 0.68 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.07 | | | | | |
| 17.30 | 0.03776 | 31.34 | 0.00 | 5.14 | 1.21 | 0.00 | 0.65 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 | | | | | |
| 17.20 | 0.03776 | 31.32 | 0.00 | 5.18 | 1.04 | 0.00 | 0.62 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 | | | | | |
| 17.10 | 0.03776 | 31.30 | 0.00 | 5.22 | 0.90 | 0.00 | 0.59 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 | | | | | |
| 17.00 | 0.03776 | 31.27 | 0.00 | 5.26 | 0.78 | 0.00 | 0.57 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 | | | | | |
| 16.90 | 0.03776 | 31.25 | 0.00 | 5.29 | 0.67 | 0.00 | 0.54 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 | | | | | |
| 16.80 | 0.03776 | 31.23 | 0.00 | 5.32 | 0.58 | 0.00 | 0.52 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 | | | | | |
| 16.70 | 0.03776 | 31.20 | 0.00 | 5.35 | 0.50 | 0.00 | 0.49 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 | | | | | |
| 16.60 | 0.03776 | 31.18 | 0.00 | 5.38 | 0.43 | 0.00 | 0.47 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 | | | | | |
| 16.50 | 0.03776 | 31.16 | 0.00 | 5.40 | 0.37 | 0.00 | 0.45 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 | | | | | |
| 16.40 | 0.03776 | 31.14 | 0.00 | 5.42 | 0.32 | 0.00 | 0.43 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 | | | | | |
| 16.30 | 0.03776 | 31.11 | 0.00 | 5.44 | 0.28 | 0.00 | 0.41 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 | | | | | |
| 16.20 | 0.03776 | 31.09 | 0.00 | 5.46 | 0.24 | 0.00 | 0.39 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 | | | | | |
| 16.10 | 0.03776 | 31.07 | 0.00 | 5.48 | 0.21 | 0.00 | 0.37 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 | | | | | |
| 16.00 | 0.03776 | 31.05 | 0.00 | 5.49 | 0.18 | 0.00 | 0.36 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 | | | | | |
| 15.90 | 0.03776 | 31.02 | 0.00 | 5.51 | 0.15 | 0.00 | 0.34 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.22 | 3.00 | | | | | |
| 15.80 | 0.03776 | 31.00 | 0.00 | 5.52 | 0.13 | 0.00 | 0.32 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.22 | 3.00 | | | | | |
| 15.70 | 0.20860 | 31.00 | 0.00 | 7.03 | 2.80 | 0.00 | 0.74 | 0.08 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.60 | 0.37945 | 31.00 | 0.00 | 7.03 | 2.93 | 0.00 | 0.77 | 0.08 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.50 | 0.55029 | 31.00 | 0.00 | 7.03 | 2.96 | 0.00 | 0.78 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.40 | 0.72114 | 31.00 | 0.00 | 7.02 | 2.97 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.30 | 0.89198 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.20 | 1.06283 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.10 | 1.23367 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.00 | 1.40452 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 14.90 | 1.57536 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 14.80 | 1.72827 | 31.04 | 0.00 | 6.26 | 3.60 | 0.00 | 1.06 | 0.09 | 11.15 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 14.70 | 1.88118 | 31.08 | 0.00 | 5.93 | 4.05 | 0.00 | 1.27 | 0.10 | 12.31 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 14.60 | 2.03408 | 31.12 | 0.00 | 5.79 | 4.38 | 0.00 | 1.43 | 0.11 | 13.46 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| 14.50 | 2.18699 | 31.15 | 0.00 | 5.76 | 4.63 | 0.00 | 1.56 | 0.12 | 14.62 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 14.40 | 2.33990 | 31.19 | 0.00 | 5.77 | 4.82 | 0.00 | 1.67 | 0.13 | 15.77 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 14.30 | 2.49281 | 31.23 | 0.00 | 5.82 | 4.98 | 0.00 | 1.75 | 0.13 | 16.92 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 14.20 | 2.64571 | 31.27 | 0.00 | 5.88 | 5.10 | 0.00 | 1.82 | 0.14 | 18.08 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 14.10 | 2.79862 | 31.31 | 0.00 | 5.96 | 5.19 | 0.00 | 1.88 | 0.15 | 19.23 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 14.00 | 2.95153 | 31.35 | 0.00 | 6.04 | 5.27 | 0.00 | 1.93 | 0.15 | 20.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 13.90 | 3.10444 | 31.38 | 0.00 | 6.13 | 5.34 | 0.00 | 1.98 | 0.15 | 21.54 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.07 |
| 13.80 | 3.25734 | 31.42 | 0.00 | 6.22 | 5.39 | 0.00 | 2.01 | 0.16 | 22.69 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.08 |
| 13.70 | 3.41025 | 31.46 | 0.00 | 6.31 | 5.43 | 0.00 | 2.05 | 0.16 | 23.85 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 13.60 | 3.56316 | 31.50 | 0.00 | 6.41 | 5.47 | 0.00 | 2.07 | 0.16 | 25.00 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 13.50 | 3.56316 | 31.50 | 0.00 | 6.29 | 5.50 | 0.00 | 2.06 | 0.16 | 26.44 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.40 | 3.56316 | 31.50 | 0.00 | 6.18 | 5.53 | 0.00 | 2.04 | 0.16 | 27.89 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.30 | 3.56316 | 31.50 | 0.00 | 6.09 | 5.56 | 0.00 | 2.03 | 0.16 | 29.33 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.20 | 3.56316 | 31.50 | 0.00 | 6.01 | 5.59 | 0.00 | 2.01 | 0.16 | 30.78 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.10 | 3.56316 | 31.50 | 0.00 | 5.95 | 5.61 | 0.00 | 2.00 | 0.16 | 32.22 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.00 | 3.56316 | 31.50 | 0.00 | 5.90 | 5.64 | 0.00 | 1.98 | 0.15 | 33.67 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 12.90 | 3.56316 | 31.50 | 0.00 | 5.86 | 5.67 | 0.00 | 1.97 | 0.15 | 35.11 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.80 | 3.56316 | 31.50 | 0.00 | 5.84 | 5.69 | 0.00 | 1.95 | 0.15 | 36.56 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.70 | 3.56316 | 31.50 | 0.00 | 5.83 | 5.72 | 0.00 | 1.94 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.60 | 3.56316 | 31.50 | 0.00 | 5.82 | 5.74 | 0.00 | 1.93 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.50 | 3.56316 | 31.50 | 0.00 | 5.81 | 5.75 | 0.00 | 1.93 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.40 | 3.56316 | 31.50 | 0.00 | 5.81 | 5.76 | 0.00 | 1.92 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.30 | 3.56316 | 31.50 | 0.00 | 5.80 | 5.78 | 0.00 | 1.91 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.20 | 3.56316 | 31.50 | 0.00 | 5.80 | 5.79 | 0.00 | 1.91 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.10 | 3.56316 | 31.50 | 0.00 | 5.79 | 5.81 | 0.00 | 1.90 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.00 | 3.56316 | 31.50 | 0.00 | 5.78 | 5.82 | 0.00 | 1.89 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.90 | 3.56316 | 31.50 | 0.00 | 5.78 | 5.83 | 0.00 | 1.89 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.80 | 3.56316 | 31.50 | 0.00 | 5.77 | 5.85 | 0.00 | 1.88 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.70 | 3.56316 | 31.50 | 0.00 | 5.77 | 5.86 | 0.00 | 1.88 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.60 | 3.56316 | 31.50 | 0.00 | 5.76 | 5.87 | 0.00 | 1.87 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.50 | 3.56316 | 31.50 | 0.00 | 5.76 | 5.89 | 0.00 | 1.86 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.40 | 3.56316 | 31.50 | 0.00 | 5.75 | 5.90 | 0.00 | 1.86 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.30 | 3.56316 | 31.50 | 0.00 | 5.75 | 5.91 | 0.00 | 1.85 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.20 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.92 | 0.00 | 1.85 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.10 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.94 | 0.00 | 1.84 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.00 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.95 | 0.00 | 1.84 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.90 | 3.56316 | 31.50 | 0.00 | 5.73 | 5.96 | 0.00 | 1.83 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.80 | 3.56316 | 31.50 | 0.00 | 5.73 | 5.97 | 0.00 | 1.83 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.70 | 3.56316 | 31.50 | 0.00 | 5.70 | 6.00 | 0.00 | 1.82 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.60 | 3.56316 | 31.50 | 0.00 | 5.67 | 6.03 | 0.00 | 1.81 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.50 | 3.56316 | 31.50 | 0.00 | 5.65 | 6.05 | 0.00 | 1.80 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.40 | 3.56316 | 31.50 | 0.00 | 5.62 | 6.08 | 0.00 | 1.80 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.30 | 3.56316 | 31.50 | 0.00 | 5.60 | 6.10 | 0.00 | 1.79 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.20 | 3.56316 | 31.50 | 0.00 | 5.58 | 6.13 | 0.00 | 1.78 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.10 | 3.56316 | 31.50 | 0.00 | 5.55 | 6.15 | 0.00 | 1.78 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.00 | 3.56316 | 31.50 | 0.00 | 5.53 | 6.17 | 0.00 | 1.77 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.90 | 3.56316 | 31.50 | 0.00 | 5.51 | 6.20 | 0.00 | 1.76 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.80 | 3.56316 | 31.50 | 0.00 | 5.49 | 6.22 | 0.00 | 1.76 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.70 | 3.56316 | 31.50 | 0.00 | 5.47 | 6.25 | 0.00 | 1.75 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.60 | 3.56316 | 31.50 | 0.00 | 5.45 | 6.27 | 0.00 | 1.75 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.50 | 3.56316 | 31.50 | 0.00 | 5.42 | 6.36 | 0.00 | 1.78 | 0.13 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.40 | 6.84793 | 31.50 | 0.00 | 5.26 | 8.06 | 0.00 | 2.82 | 0.09 | 38.00 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 9.30 | 6.84793 | 31.50 | 0.00 | 5.29 | 8.05 | 0.00 | 2.82 | 0.10 | 38.00 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 9.20 | 5.10375 | 31.57 | 0.00 | 5.31 | 8.03 | 0.00 | 2.82 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.11 |
| 9.10 | 5.10588 | 31.63 | 0.00 | 5.34 | 8.02 | 0.00 | 2.82 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.12 |
| 9.00 | 5.10800 | 31.70 | 0.00 | 5.38 | 8.01 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.13 |
| 8.90 | 5.11013 | 31.77 | 0.00 | 5.41 | 7.99 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 8.80 | 5.11225 | 31.83 | 0.00 | 5.44 | 7.98 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.16 |
| 8.70 | 5.11438 | 31.90 | 0.00 | 5.47 | 7.96 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.17 |
| 8.60 | 5.11650 | 31.97 | 0.00 | 5.50 | 7.95 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 8.50 | 5.11863 | 32.03 | 0.00 | 5.53 | 7.93 | 0.00 | 2.80 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 8.40 | 5.12075 | 32.10 | 0.00 | 5.56 | 7.92 | 0.00 | 2.80 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 8.30 | 5.12288 | 32.17 | 0.00 | 5.59 | 7.90 | 0.00 | 2.80 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.23 |
| 8.20 | 5.12500 | 32.23 | 0.00 | 5.62 | 7.89 | 0.00 | 2.80 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.24 |
| 8.10 | 5.12713 | 32.30 | 0.00 | 5.65 | 7.88 | 0.00 | 2.79 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 8.00 | 5.12992 | 32.30 | 0.00 | 5.67 | 7.86 | 0.00 | 2.79 | 0.11 | 37.89 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.90 | 5.13271 | 32.30 | 0.00 | 5.70 | 7.85 | 0.00 | 2.79 | 0.11 | 37.78 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.80 | 5.13551 | 32.30 | 0.00 | 5.72 | 7.84 | 0.00 | 2.79 | 0.11 | 37.67 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.70 | 5.13830 | 32.30 | 0.00 | 5.75 | 7.82 | 0.00 | 2.78 | 0.11 | 37.56 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.60 | 5.14109 | 32.30 | 0.00 | 5.77 | 7.81 | 0.00 | 2.78 | 0.11 | 37.45 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.50 | 5.14389 | 32.30 | 0.00 | 5.79 | 7.80 | 0.00 | 2.78 | 0.11 | 37.34 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.40 | 5.14668 | 32.30 | 0.00 | 5.82 | 7.78 | 0.00 | 2.78 | 0.11 | 37.23 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.30 | 5.14947 | 32.30 | 0.00 | 5.84 | 7.77 | 0.00 | 2.77 | 0.11 | 37.12 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.20 | 5.15227 | 32.30 | 0.00 | 5.86 | 7.76 | 0.00 | 2.77 | 0.11 | 37.01 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.10 | 5.15506 | 32.30 | 0.00 | 5.88 | 7.75 | 0.00 | 2.77 | 0.11 | 36.90 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.00 | 5.15785 | 32.30 | 0.00 | 5.90 | 7.73 | 0.00 | 2.77 | 0.11 | 36.79 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.90 | 5.16065 | 32.30 | 0.00 | 5.92 | 7.72 | 0.00 | 2.76 | 0.11 | 36.68 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.80 | 5.16344 | 32.30 | 0.00 | 5.94 | 7.71 | 0.00 | 2.76 | 0.11 | 36.58 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.70 | 5.16623 | 32.30 | 0.00 | 5.96 | 7.70 | 0.00 | 2.76 | 0.11 | 36.47 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.60 | 5.16903 | 32.30 | 0.00 | 5.98 | 7.68 | 0.00 | 2.76 | 0.11 | 36.36 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.50 | 5.17182 | 32.30 | 0.00 | 5.99 | 7.67 | 0.00 | 2.75 | 0.11 | 36.25 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.40 | 5.17461 | 32.30 | 0.00 | 6.01 | 7.66 | 0.00 | 2.75 | 0.11 | 36.14 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.30 | 5.17741 | 32.30 | 0.00 | 6.03 | 7.65 | 0.00 | 2.75 | 0.12 | 36.03 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.20 | 5.18020 | 32.30 | 0.00 | 6.05 | 7.63 | 0.00 | 2.75 | 0.12 | 35.92 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.10 | 5.18299 | 32.30 | 0.00 | 6.06 | 7.62 | 0.00 | 2.74 | 0.12 | 35.81 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.00 | 5.18579 | 32.30 | 0.00 | 6.08 | 7.61 | 0.00 | 2.74 | 0.12 | 35.70 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.90 | 5.18858 | 32.30 | 0.00 | 6.09 | 7.60 | 0.00 | 2.74 | 0.12 | 35.59 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.80 | 5.19137 | 32.30 | 0.00 | 6.11 | 7.58 | 0.00 | 2.74 | 0.12 | 35.48 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.70 | 5.19417 | 32.30 | 0.00 | 6.12 | 7.57 | 0.00 | 2.73 | 0.12 | 35.37 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.60 | 5.19696 | 32.30 | 0.00 | 6.14 | 7.56 | 0.00 | 2.73 | 0.12 | 35.26 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.50 | 5.19975 | 32.30 | 0.00 | 6.15 | 7.55 | 0.00 | 2.73 | 0.12 | 35.15 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.40 | 5.20255 | 32.30 | 0.00 | 6.16 | 7.54 | 0.00 | 2.73 | 0.12 | 35.04 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.30 | 5.20534 | 32.30 | 0.00 | 6.18 | 7.52 | 0.00 | 2.72 | 0.12 | 34.93 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.20 | 5.20813 | 32.30 | 0.00 | 6.19 | 7.51 | 0.00 | 2.72 | 0.12 | 34.82 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.10 | 5.21093 | 32.30 | 0.00 | 6.20 | 7.50 | 0.00 | 2.72 | 0.12 | 34.71 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.00 | 5.21372 | 32.30 | 0.00 | 6.21 | 7.49 | 0.00 | 2.72 | 0.12 | 34.60 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.90 | 5.21651 | 32.30 | 0.00 | 6.22 | 7.48 | 0.00 | 2.71 | 0.12 | 34.49 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.80 | 5.21931 | 32.30 | 0.00 | 6.23 | 7.46 | 0.00 | 2.71 | 0.12 | 34.38 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.70 | 5.22210 | 32.30 | 0.00 | 6.24 | 7.45 | 0.00 | 2.71 | 0.12 | 34.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.60 | 5.22489 | 32.30 | 0.00 | 6.26 | 7.44 | 0.00 | 2.71 | 0.12 | 34.16 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.50 | 5.22769 | 32.30 | 0.00 | 6.27 | 7.43 | 0.00 | 2.70 | 0.12 | 34.05 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.40 | 5.23048 | 32.30 | 0.00 | 6.27 | 7.42 | 0.00 | 2.70 | 0.12 | 33.95 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.30 | 5.23327 | 32.30 | 0.00 | 6.28 | 7.40 | 0.00 | 2.70 | 0.12 | 33.84 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.20 | 5.23607 | 32.30 | 0.00 | 6.29 | 7.39 | 0.00 | 2.70 | 0.12 | 33.73 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.10 | 5.23886 | 32.30 | 0.00 | 6.30 | 7.38 | 0.00 | 2.70 | 0.13 | 33.62 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.00 | 5.24165 | 32.30 | 0.00 | 6.31 | 7.37 | 0.00 | 2.69 | 0.13 | 33.51 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.90 | 5.24445 | 32.30 | 0.00 | 6.32 | 7.36 | 0.00 | 2.69 | 0.13 | 33.40 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.80 | 5.24724 | 32.30 | 0.00 | 6.33 | 7.35 | 0.00 | 2.69 | 0.13 | 33.29 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.70 | 5.25003 | 32.30 | 0.00 | 6.33 | 7.33 | 0.00 | 2.69 | 0.13 | 33.18 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.60 | 5.25283 | 32.30 | 0.00 | 6.34 | 7.32 | 0.00 | 2.68 | 0.13 | 33.07 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.50 | 5.25562 | 32.30 | 0.00 | 6.35 | 7.31 | 0.00 | 2.68 | 0.13 | 32.96 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.40 | 5.25841 | 32.30 | 0.00 | 6.35 | 7.30 | 0.00 | 2.68 | 0.13 | 32.85 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.30 | 5.26121 | 32.30 | 0.00 | 6.36 | 7.29 | 0.00 | 2.68 | 0.13 | 32.74 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.20 | 5.26400 | 32.30 | 0.00 | 6.37 | 7.28 | 0.00 | 2.67 | 0.13 | 32.63 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.10 | 5.26679 | 32.30 | 0.00 | 6.37 | 7.27 | 0.00 | 2.67 | 0.13 | 32.52 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.00 | 5.26959 | 32.30 | 0.00 | 6.38 | 7.25 | 0.00 | 2.67 | 0.13 | 32.41 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.90 | 5.27238 | 32.30 | 0.00 | 6.38 | 7.24 | 0.00 | 2.67 | 0.13 | 32.30 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.80 | 5.27517 | 32.30 | 0.00 | 6.39 | 7.23 | 0.00 | 2.66 | 0.13 | 32.19 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.70 | 5.27797 | 32.30 | 0.00 | 6.39 | 7.22 | 0.00 | 2.66 | 0.13 | 32.08 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.60 | 5.28076 | 32.30 | 0.00 | 6.40 | 7.21 | 0.00 | 2.66 | 0.13 | 31.97 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.50 | 5.28355 | 32.30 | 0.00 | 6.40 | 7.20 | 0.00 | 2.66 | 0.13 | 31.86 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.40 | 5.28635 | 32.30 | 0.00 | 6.41 | 7.19 | 0.00 | 2.66 | 0.13 | 31.75 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.30 | 5.28914 | 32.30 | 0.00 | 6.41 | 7.18 | 0.00 | 2.65 | 0.13 | 31.64 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.20 | 5.29193 | 32.30 | 0.00 | 6.41 | 7.17 | 0.00 | 2.65 | 0.13 | 31.53 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.10 | 5.29473 | 32.30 | 0.00 | 6.42 | 7.15 | 0.00 | 2.65 | 0.13 | 31.42 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.00 | 5.29752 | 32.30 | 0.00 | 6.42 | 7.14 | 0.00 | 2.65 | 0.13 | 31.32 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.90 | 5.30031 | 32.30 | 0.00 | 6.42 | 7.13 | 0.00 | 2.64 | 0.13 | 31.21 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.80 | 5.30311 | 32.30 | 0.00 | 6.42 | 7.12 | 0.00 | 2.64 | 0.13 | 31.10 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.70 | 5.30590 | 32.30 | 0.00 | 6.43 | 7.11 | 0.00 | 2.64 | 0.13 | 30.99 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.60 | 5.30869 | 32.30 | 0.00 | 6.43 | 7.10 | 0.00 | 2.64 | 0.13 | 30.88 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.50 | 5.31149 | 32.30 | 0.00 | 6.43 | 7.09 | 0.00 | 2.64 | 0.13 | 30.77 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.40 | 5.31428 | 32.30 | 0.00 | 6.43 | 7.08 | 0.00 | 2.63 | 0.13 | 30.66 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.30 | 5.31707 | 32.30 | 0.00 | 6.43 | 7.07 | 0.00 | 2.63 | 0.13 | 30.55 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.20 | 5.31987 | 32.30 | 0.00 | 6.44 | 7.06 | 0.00 | 2.63 | 0.14 | 30.44 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.10 | 5.32266 | 32.30 | 0.00 | 6.44 | 7.05 | 0.00 | 2.63 | 0.14 | 30.33 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.00 | 5.32545 | 32.30 | 0.00 | 6.44 | 7.03 | 0.00 | 2.62 | 0.14 | 30.22 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.90 | 5.32825 | 32.30 | 0.00 | 6.44 | 7.02 | 0.00 | 2.62 | 0.14 | 30.11 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.80 | 5.33104 | 32.30 | 0.00 | 6.44 | 7.01 | 0.00 | 2.62 | 0.14 | 30.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.70 | 5.33423 | 32.30 | 0.00 | 6.44 | 7.00 | 0.00 | 2.62 | 0.14 | 29.25 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 5.33741 | 32.30 | 0.00 | 6.44 | 6.99 | 0.00 | 2.61 | 0.14 | 28.50 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.50 | 5.34060 | 32.30 | 0.00 | 6.43 | 6.98 | 0.00 | 2.61 | 0.14 | 27.75 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.40 | 5.34379 | 32.30 | 0.00 | 6.43 | 6.97 | 0.00 | 2.61 | 0.14 | 27.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.30 | 5.34698 | 32.30 | 0.00 | 6.42 | 6.96 | 0.00 | 2.61 | 0.14 | 26.25 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.20 | 5.35016 | 32.30 | 0.00 | 6.42 | 6.95 | 0.00 | 2.61 | 0.14 | 25.50 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.10 | 5.35335 | 32.30 | 0.00 | 6.41 | 6.94 | 0.00 | 2.60 | 0.14 | 24.75 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |
| 0.00 | 5.35654 | 32.30 | 0.00 | 6.39 | 6.98 | 0.00 | 2.59 | 0.14 | 24.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO REAER | BOD1 WIDTH | BOD1 VELO | BOD2 VELO | BOD2 SAT | NH3 RATE | DECA SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| | | | HDWTR | 17.387 | 30.0 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.0 | | | | | | | | | | | | |
| 1 | 1 | 1 | 35.00 | 17.381 | 31.2 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.2 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 2 | 1 | 1 | 34.90 | 17.375 | 31.2 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.3 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 3 | 1 | 1 | 34.80 | 17.368 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.5 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 4 | 1 | 1 | 34.70 | 17.362 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.6 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 5 | 1 | 1 | 34.60 | 17.356 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.8 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.09 |
| 6 | 1 | 1 | 34.50 | 17.350 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.9 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 7 | 1 | 1 | 34.40 | 17.344 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 8 | 1 | 1 | 34.30 | 17.338 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 9 | 1 | 1 | 34.20 | 17.332 | 31.4 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.4 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 10 | 1 | 1 | 34.10 | 17.326 | 31.4 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.5 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.12 |
| 11 | 1 | 1 | 34.00 | 17.320 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 71.7 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.13 |
| 12 | 1 | 1 | 33.90 | 17.314 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 71.8 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.13 |
| 13 | 1 | 1 | 33.80 | 17.308 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.0 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 14 | 1 | 1 | 33.70 | 17.302 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 15 | 1 | 1 | 33.60 | 17.296 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.3 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 16 | 1 | 1 | 33.50 | 17.290 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.4 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 17 | 1 | 1 | 33.40 | 17.284 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.6 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.16 |
| 18 | 1 | 1 | 33.30 | 17.278 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.7 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 19 | 1 | 1 | 33.20 | 17.272 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.9 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 20 | 1 | 1 | 33.10 | 17.265 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.0 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 21 | 1 | 1 | 33.00 | 17.259 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 22 | 1 | 1 | 32.90 | 17.253 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.3 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.19 |
| 23 | 1 | 1 | 32.80 | 17.247 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.5 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 24 | 1 | 1 | 32.70 | 17.241 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.6 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 25 | 1 | 1 | 32.60 | 17.235 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.8 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 26 | 1 | 1 | 32.50 | 17.229 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.9 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 27 | 1 | 1 | 32.40 | 17.223 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.22 |
| 28 | 1 | 1 | 32.30 | 17.217 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 29 | 1 | 1 | 32.20 | 17.211 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.4 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 30 | 1 | 1 | 32.10 | 17.205 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.5 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 31 | 1 | 1 | 32.00 | 17.199 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.7 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 32 | 1 | 1 | 31.90 | 17.193 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.8 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.25 |
| 33 | 1 | 1 | 31.80 | 17.187 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 75.0 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.26 |
| 34 | 2 | 2 | 31.70 | 17.185 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 75.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 35 | 2 | 2 | 31.60 | 17.184 | 31.8 | 0.0 | 6.1 | 16.2 | 0.0 | 1.6 | 0.1 | 75.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 36 | 2 | 2 | 31.50 | 17.182 | 31.8 | 0.0 | 6.1 | 16.2 | 0.0 | 1.6 | 0.1 | 75.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 37 | 2 | 2 | 31.40 | 17.180 | 31.8 | 0.0 | 6.1 | 16.3 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 38 | 2 | 2 | 31.30 | 17.179 | 31.8 | 0.0 | 6.1 | 16.3 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 2 | 2 | 31.20 | 17.177 | 31.8 | 0.0 | 6.1 | 16.4 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 40 | 2 | 2 | 31.10 | 17.176 | 31.8 | 0.0 | 6.0 | 16.5 | 0.0 | 1.6 | 0.1 | 75.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 41 | 2 | 2 | 31.00 | 17.174 | 31.8 | 0.0 | 6.0 | 16.5 | 0.0 | 1.6 | 0.1 | 75.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 42 | 2 | 2 | 30.90 | 17.172 | 31.8 | 0.0 | 6.0 | 16.6 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 43 | 2 | 2 | 30.80 | 17.171 | 31.8 | 0.0 | 6.0 | 16.6 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 44 | 2 | 2 | 30.70 | 17.169 | 31.8 | 0.0 | 6.0 | 16.7 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 45 | 2 | 2 | 30.60 | 17.168 | 31.8 | 0.0 | 6.0 | 16.7 | 0.0 | 1.6 | 0.1 | 75.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 46 | 2 | 2 | 30.50 | 17.166 | 31.8 | 0.0 | 6.0 | 16.8 | 0.0 | 1.6 | 0.1 | 75.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 47 | 2 | 2 | 30.40 | 17.165 | 31.8 | 0.0 | 6.0 | 16.8 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 48 | 2 | 2 | 30.30 | 17.163 | 31.8 | 0.0 | 6.0 | 16.9 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 49 | 2 | 2 | 30.20 | 17.161 | 31.8 | 0.0 | 6.0 | 16.9 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 50 | 2 | 2 | 30.10 | 17.160 | 31.8 | 0.0 | 6.0 | 17.0 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 51 | 2 | 2 | 30.00 | 17.158 | 31.8 | 0.0 | 6.0 | 17.0 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 52 | 2 | 2 | 29.90 | 17.157 | 31.8 | 0.0 | 6.0 | 17.1 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 53 | 2 | 2 | 29.80 | 17.155 | 31.8 | 0.0 | 6.0 | 17.1 | 0.0 | 1.6 | 0.1 | 75.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 54 | 2 | 2 | 29.70 | 17.154 | 31.8 | 0.0 | 6.0 | 17.2 | 0.0 | 1.6 | 0.1 | 75.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 55 | 2 | 2 | 29.60 | 17.152 | 31.8 | 0.0 | 6.0 | 17.2 | 0.0 | 1.6 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 56 | 2 | 2 | 29.50 | 17.150 | 31.8 | 0.0 | 6.0 | 17.3 | 0.0 | 1.7 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 57 | 2 | 2 | 29.40 | 17.149 | 31.8 | 0.0 | 6.0 | 17.3 | 0.0 | 1.7 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 58 | 2 | 2 | 29.30 | 17.147 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 59 | 2 | 2 | 29.20 | 17.146 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 60 | 2 | 2 | 29.10 | 17.144 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 61 | 2 | 2 | 29.00 | 17.143 | 31.8 | 0.0 | 6.0 | 17.5 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 62 | 2 | 2 | 28.90 | 17.141 | 31.8 | 0.0 | 6.0 | 17.5 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 63 | 2 | 2 | 28.80 | 17.139 | 31.8 | 0.0 | 5.9 | 17.6 | 0.0 | 1.7 | 0.1 | 76.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 64 | 2 | 2 | 28.70 | 17.138 | 31.8 | 0.0 | 5.9 | 17.6 | 0.0 | 1.7 | 0.1 | 76.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 65 | 2 | 2 | 28.60 | 17.136 | 31.8 | 0.0 | 5.9 | 17.7 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 66 | 2 | 2 | 28.50 | 17.135 | 31.8 | 0.0 | 5.9 | 17.7 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 67 | 2 | 2 | 28.40 | 17.133 | 31.8 | 0.0 | 5.9 | 17.8 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 68 | 2 | 2 | 28.30 | 17.132 | 31.8 | 0.0 | 5.9 | 17.8 | 0.0 | 1.7 | 0.1 | 76.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 69 | 2 | 2 | 28.20 | 17.130 | 31.8 | 0.0 | 5.9 | 17.9 | 0.0 | 1.7 | 0.1 | 76.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 70 | 2 | 2 | 28.10 | 17.128 | 31.8 | 0.0 | 5.9 | 17.9 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 71 | 2 | 2 | 28.00 | 17.127 | 31.8 | 0.0 | 5.9 | 18.0 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 72 | 2 | 2 | 27.90 | 17.125 | 31.8 | 0.0 | 5.9 | 18.0 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 73 | 2 | 2 | 27.80 | 17.124 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 74 | 2 | 2 | 27.70 | 17.122 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 75 | 2 | 2 | 27.60 | 17.121 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 76 | 2 | 2 | 27.50 | 17.119 | 31.8 | 0.0 | 5.9 | 18.2 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 77 | 2 | 2 | 27.40 | 17.117 | 31.8 | 0.0 | 5.9 | 18.2 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 78 | 2 | 2 | 27.30 | 17.116 | 31.8 | 0.0 | 5.9 | 18.3 | 0.0 | 1.7 | 0.1 | 76.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 79 | 2 | 2 | 27.20 | 17.114 | 31.8 | 0.0 | 5.9 | 18.3 | 0.0 | 1.7 | 0.1 | 76.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 80 | 2 | 2 | 27.10 | 17.113 | 31.8 | 0.0 | 5.9 | 18.4 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 81 | 2 | 2 | 27.00 | 17.111 | 31.8 | 0.0 | 5.9 | 18.4 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 82 | 2 | 2 | 26.90 | 17.109 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 83 | 2 | 2 | 26.80 | 17.108 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 84 | 2 | 2 | 26.70 | 17.106 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 2 | 2 | 26.60 | 17.105 | 31.8 | 0.0 | 5.9 | 18.6 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 86 | 2 | 2 | 26.50 | 17.103 | 31.8 | 0.0 | 5.9 | 18.6 | 0.0 | 1.7 | 0.1 | 77.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 87 | 2 | 2 | 26.40 | 17.102 | 31.8 | 0.0 | 5.9 | 18.7 | 0.0 | 1.7 | 0.1 | 77.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 88 | 2 | 2 | 26.30 | 17.100 | 31.8 | 0.0 | 5.9 | 18.7 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 89 | 2 | 2 | 26.20 | 17.098 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 90 | 2 | 2 | 26.10 | 17.097 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 91 | 2 | 2 | 26.00 | 17.095 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.8 | 0.1 | 77.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 92 | 2 | 2 | 25.90 | 17.094 | 31.8 | 0.0 | 5.8 | 18.9 | 0.0 | 1.8 | 0.1 | 77.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 93 | 2 | 2 | 25.80 | 17.092 | 31.8 | 0.0 | 5.8 | 18.9 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 94 | 2 | 2 | 25.70 | 17.091 | 31.8 | 0.0 | 5.8 | 19.0 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 95 | 2 | 2 | 25.60 | 17.089 | 31.8 | 0.0 | 5.8 | 19.0 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 96 | 2 | 2 | 25.50 | 17.087 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 97 | 2 | 2 | 25.40 | 17.086 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 98 | 2 | 2 | 25.30 | 17.084 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 99 | 2 | 2 | 25.20 | 17.083 | 31.8 | 0.0 | 5.8 | 19.2 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 100 | 2 | 2 | 25.10 | 17.081 | 31.8 | 0.0 | 5.8 | 19.2 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 101 | 2 | 2 | 25.00 | 17.080 | 31.8 | 0.0 | 5.8 | 19.3 | 0.0 | 1.8 | 0.1 | 77.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 102 | 2 | 2 | 24.90 | 17.078 | 31.8 | 0.0 | 5.8 | 19.3 | 0.0 | 1.8 | 0.1 | 77.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 103 | 2 | 2 | 24.80 | 17.076 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 104 | 2 | 2 | 24.70 | 17.075 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 105 | 2 | 2 | 24.60 | 17.073 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 106 | 2 | 2 | 24.50 | 17.072 | 31.8 | 0.0 | 5.8 | 19.5 | 0.0 | 1.8 | 0.1 | 77.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 107 | 2 | 2 | 24.40 | 17.070 | 31.8 | 0.0 | 5.8 | 19.5 | 0.0 | 1.8 | 0.1 | 77.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 108 | 2 | 2 | 24.30 | 17.069 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 109 | 2 | 2 | 24.20 | 17.067 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 110 | 2 | 2 | 24.10 | 17.065 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 111 | 2 | 2 | 24.00 | 17.064 | 31.8 | 0.0 | 5.8 | 19.7 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 112 | 2 | 2 | 23.90 | 17.062 | 31.8 | 0.0 | 5.8 | 19.7 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 113 | 2 | 2 | 23.80 | 17.061 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 114 | 2 | 2 | 23.70 | 17.059 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 115 | 2 | 2 | 23.60 | 17.057 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 116 | 2 | 2 | 23.50 | 17.056 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 117 | 2 | 2 | 23.40 | 17.054 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 118 | 2 | 2 | 23.30 | 17.053 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 119 | 2 | 2 | 23.20 | 17.051 | 31.8 | 0.0 | 5.7 | 20.0 | 0.0 | 1.8 | 0.1 | 78.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 120 | 2 | 2 | 23.10 | 17.050 | 31.8 | 0.0 | 5.7 | 20.0 | 0.0 | 1.8 | 0.1 | 78.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 121 | 2 | 2 | 23.00 | 17.048 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 122 | 2 | 2 | 22.90 | 17.046 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 123 | 2 | 2 | 22.80 | 17.045 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 124 | 2 | 2 | 22.70 | 17.043 | 31.8 | 0.0 | 5.7 | 20.2 | 0.0 | 1.8 | 0.1 | 78.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 125 | 2 | 2 | 22.60 | 17.042 | 31.8 | 0.0 | 5.7 | 20.2 | 0.0 | 1.8 | 0.1 | 78.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 126 | 2 | 2 | 22.50 | 17.040 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.8 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 127 | 2 | 2 | 22.40 | 17.039 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.8 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 128 | 2 | 2 | 22.30 | 17.037 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.9 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 129 | 2 | 2 | 22.20 | 17.035 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 130 | 2 | 2 | 22.10 | 17.034 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 131 | 2 | 2 | 22.00 | 17.032 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 132 | 2 | 2 | 21.90 | 17.031 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 133 | 2 | 2 | 21.80 | 17.029 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 134 | 2 | 2 | 21.70 | 17.028 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 79.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 135 | 2 | 2 | 21.60 | 17.026 | 31.8 | 0.0 | 5.7 | 20.6 | 0.0 | 1.9 | 0.1 | 79.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 136 | 2 | 2 | 21.50 | 17.024 | 31.8 | 0.0 | 5.7 | 20.6 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 137 | 2 | 2 | 21.40 | 17.023 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 138 | 2 | 2 | 21.30 | 17.021 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 139 | 2 | 2 | 21.20 | 17.020 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 140 | 2 | 2 | 21.10 | 17.018 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 141 | 2 | 2 | 21.00 | 17.017 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 142 | 2 | 2 | 20.90 | 17.015 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 143 | 2 | 2 | 20.80 | 17.013 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 144 | 2 | 2 | 20.70 | 17.012 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 145 | 2 | 2 | 20.60 | 17.010 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 146 | 2 | 2 | 20.50 | 17.009 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 147 | 2 | 2 | 20.40 | 17.007 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 148 | 2 | 2 | 20.30 | 17.005 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 149 | 2 | 2 | 20.20 | 17.004 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 150 | 2 | 2 | 20.10 | 17.002 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 151 | 2 | 2 | 20.00 | 17.001 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 152 | 2 | 2 | 19.90 | 16.999 | 31.8 | 0.0 | 5.7 | 21.2 | 0.0 | 1.9 | 0.1 | 79.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 153 | 2 | 2 | 19.80 | 16.998 | 31.8 | 0.0 | 5.7 | 21.2 | 0.0 | 1.9 | 0.1 | 79.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 154 | 2 | 2 | 19.70 | 16.996 | 31.8 | 0.0 | 5.6 | 21.2 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 155 | 2 | 2 | 19.60 | 16.994 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 156 | 2 | 2 | 19.50 | 16.993 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 157 | 2 | 2 | 19.40 | 16.991 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.9 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 158 | 2 | 2 | 19.30 | 16.990 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 79.9 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 159 | 2 | 2 | 19.20 | 16.988 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 80.0 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 160 | 2 | 2 | 19.10 | 16.987 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 80.0 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| DIVERSION # 161 (TRIB 1 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 161 | 3 | 3 | 19.00 | 13.226 | 31.8 | 0.0 | 5.7 | 21.4 | 0.0 | 1.9 | 0.1 | 79.6 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 162 | 3 | 3 | 18.90 | 13.222 | 31.8 | 0.0 | 5.7 | 21.4 | 0.0 | 1.9 | 0.1 | 79.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 163 | 3 | 3 | 18.80 | 13.218 | 31.8 | 0.0 | 5.8 | 21.3 | 0.0 | 1.9 | 0.1 | 78.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 164 | 3 | 3 | 18.70 | 13.214 | 31.8 | 0.0 | 5.8 | 21.3 | 0.0 | 1.9 | 0.1 | 78.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 165 | 3 | 3 | 18.60 | 13.211 | 31.8 | 0.0 | 5.9 | 21.3 | 0.0 | 1.9 | 0.1 | 78.1 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 166 | 3 | 3 | 18.50 | 13.207 | 31.8 | 0.0 | 5.9 | 21.2 | 0.0 | 1.9 | 0.1 | 77.7 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 167 | 3 | 3 | 18.40 | 13.203 | 31.8 | 0.0 | 6.0 | 21.2 | 0.0 | 1.9 | 0.1 | 77.3 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 168 | 3 | 3 | 18.30 | 13.199 | 31.8 | 0.0 | 6.0 | 21.2 | 0.0 | 1.9 | 0.1 | 76.9 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 169 | 3 | 3 | 18.20 | 13.195 | 31.8 | 0.0 | 6.1 | 21.1 | 0.0 | 1.9 | 0.1 | 76.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 170 | 3 | 3 | 18.10 | 13.191 | 31.8 | 0.0 | 6.1 | 21.1 | 0.0 | 1.9 | 0.1 | 76.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 171 | 3 | 3 | 18.00 | 13.187 | 31.8 | 0.0 | 6.2 | 21.1 | 0.0 | 1.9 | 0.1 | 75.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 172 | 3 | 3 | 17.90 | 13.184 | 31.8 | 0.0 | 6.2 | 21.0 | 0.0 | 1.9 | 0.1 | 75.4 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 173 | 3 | 3 | 17.80 | 13.180 | 31.8 | 0.0 | 6.3 | 21.0 | 0.0 | 1.9 | 0.1 | 75.0 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 174 | 3 | 3 | 17.70 | 13.176 | 31.8 | 0.0 | 6.3 | 21.0 | 0.0 | 1.9 | 0.1 | 74.6 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 175 | 3 | 3 | 17.60 | 13.172 | 31.8 | 0.0 | 6.4 | 20.9 | 0.0 | 1.9 | 0.1 | 74.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 176 | 3 | 3 | 17.50 | 13.168 | 31.8 | 0.0 | 6.4 | 20.9 | 0.0 | 1.9 | 0.1 | 73.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 177 | 3 | 3 | 17.40 | 13.164 | 31.8 | 0.0 | 6.5 | 20.9 | 0.0 | 1.9 | 0.1 | 73.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 178 | 3 | 3 | 17.30 | 13.161 | 31.8 | 0.0 | 6.5 | 20.8 | 0.0 | 1.9 | 0.1 | 73.1 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 179 | 3 | 3 | 17.20 | 13.157 | 31.8 | 0.0 | 6.5 | 20.8 | 0.0 | 1.9 | 0.1 | 72.7 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 3 | 3 | 17.10 | 13.153 | 31.8 | 0.0 | 6.6 | 20.8 | 0.0 | 1.9 | 0.1 | 72.3 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 181 | 3 | 3 | 17.00 | 13.149 | 31.8 | 0.0 | 6.6 | 20.7 | 0.0 | 1.9 | 0.1 | 71.9 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 182 | 3 | 3 | 16.90 | 13.145 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 71.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 183 | 3 | 3 | 16.80 | 13.141 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 71.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 184 | 3 | 3 | 16.70 | 13.137 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 70.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 185 | 3 | 3 | 16.60 | 13.134 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 70.4 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 186 | 3 | 3 | 16.50 | 13.130 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 70.0 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 187 | 3 | 3 | 16.40 | 13.126 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 69.6 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 188 | 3 | 3 | 16.30 | 13.122 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 69.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 189 | 3 | 3 | 16.20 | 13.118 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 68.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 190 | 3 | 3 | 16.10 | 13.114 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 68.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 191 | 3 | 3 | 16.00 | 13.111 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 68.1 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 192 | 3 | 3 | 15.90 | 13.107 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 67.7 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 193 | 3 | 3 | 15.80 | 13.103 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 67.3 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 194 | 3 | 3 | 15.70 | 13.099 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.9 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 195 | 3 | 3 | 15.60 | 13.095 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 196 | 3 | 3 | 15.50 | 13.091 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 197 | 3 | 3 | 15.40 | 13.087 | 31.8 | 0.0 | 7.1 | 20.2 | 0.0 | 1.9 | 0.1 | 65.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 198 | 3 | 3 | 15.30 | 13.084 | 31.8 | 0.0 | 7.2 | 20.2 | 0.0 | 1.9 | 0.1 | 65.4 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 199 | 3 | 3 | 15.20 | 13.080 | 31.8 | 0.0 | 7.2 | 20.2 | 0.0 | 1.9 | 0.1 | 65.0 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 200 | 3 | 3 | 15.10 | 13.076 | 31.8 | 0.0 | 7.2 | 20.1 | 0.0 | 1.9 | 0.1 | 64.6 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 201 | 3 | 3 | 15.00 | 13.072 | 31.8 | 0.0 | 7.2 | 20.1 | 0.0 | 1.9 | 0.1 | 64.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 202 | 3 | 3 | 14.90 | 13.068 | 31.8 | 0.0 | 7.3 | 20.1 | 0.0 | 1.9 | 0.1 | 63.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 203 | 3 | 3 | 14.80 | 13.064 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 63.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 204 | 3 | 3 | 14.70 | 13.061 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 63.1 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 205 | 3 | 3 | 14.60 | 13.057 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 62.7 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 206 | 3 | 3 | 14.50 | 13.053 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 62.3 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 207 | 3 | 3 | 14.40 | 13.049 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.9 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 208 | 3 | 3 | 14.30 | 13.045 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 209 | 3 | 3 | 14.20 | 13.041 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 210 | 3 | 3 | 14.10 | 13.037 | 31.8 | 0.0 | 7.4 | 19.8 | 0.0 | 1.9 | 0.1 | 60.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 211 | 3 | 3 | 14.00 | 13.034 | 31.8 | 0.0 | 7.5 | 19.8 | 0.0 | 1.9 | 0.1 | 60.4 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 212 | 3 | 3 | 13.90 | 13.030 | 31.8 | 0.0 | 7.5 | 19.7 | 0.0 | 1.9 | 0.1 | 60.0 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| WASTELOAD # 213 (TRIB 2 INFLOW) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | 4 | 4 | 13.80 | 14.724 | 31.8 | 0.0 | 7.2 | 17.8 | 0.0 | 1.9 | 0.1 | 59.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 214 | 4 | 4 | 13.70 | 14.719 | 31.8 | 0.0 | 7.3 | 17.8 | 0.0 | 1.9 | 0.1 | 59.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 215 | 4 | 4 | 13.60 | 14.714 | 31.8 | 0.0 | 7.3 | 17.8 | 0.0 | 1.9 | 0.1 | 58.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 216 | 4 | 4 | 13.50 | 14.709 | 31.8 | 0.0 | 7.3 | 17.7 | 0.0 | 1.9 | 0.1 | 58.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 217 | 4 | 4 | 13.40 | 14.704 | 31.8 | 0.0 | 7.3 | 17.7 | 0.0 | 1.9 | 0.1 | 57.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 218 | 4 | 4 | 13.30 | 14.699 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 57.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 219 | 4 | 4 | 13.20 | 14.694 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 56.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 220 | 4 | 4 | 13.10 | 14.689 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 56.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 221 | 4 | 4 | 13.00 | 14.684 | 31.8 | 0.0 | 7.5 | 17.5 | 0.0 | 1.9 | 0.1 | 55.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 222 | 4 | 4 | 12.90 | 14.679 | 31.8 | 0.0 | 7.5 | 17.5 | 0.0 | 1.9 | 0.1 | 55.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 223 | 4 | 4 | 12.80 | 14.674 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 54.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 224 | 4 | 4 | 12.70 | 14.669 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 54.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 4 | 4 | 12.60 | 14.664 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 53.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 226 | 4 | 4 | 12.50 | 14.659 | 31.8 | 0.0 | 7.6 | 17.3 | 0.0 | 1.9 | 0.1 | 53.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 227 | 4 | 4 | 12.40 | 14.654 | 31.8 | 0.0 | 7.6 | 17.3 | 0.0 | 1.9 | 0.1 | 52.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 228 | 4 | 4 | 12.30 | 14.649 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 52.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 229 | 4 | 4 | 12.20 | 14.644 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 51.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 230 | 4 | 4 | 12.10 | 14.639 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 51.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 231 | 4 | 4 | 12.00 | 14.634 | 31.8 | 0.0 | 7.6 | 17.1 | 0.0 | 1.9 | 0.1 | 50.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 232 | 4 | 4 | 11.90 | 14.629 | 31.8 | 0.0 | 7.7 | 17.1 | 0.0 | 1.9 | 0.1 | 50.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 233 | 4 | 4 | 11.80 | 14.624 | 31.8 | 0.0 | 7.7 | 17.1 | 0.0 | 1.9 | 0.1 | 49.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 234 | 4 | 4 | 11.70 | 14.619 | 31.8 | 0.0 | 7.7 | 17.0 | 0.0 | 1.9 | 0.1 | 49.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 235 | 4 | 4 | 11.60 | 14.614 | 31.8 | 0.0 | 7.7 | 17.0 | 0.0 | 1.9 | 0.1 | 48.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 236 | 4 | 4 | 11.50 | 14.609 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 48.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 237 | 4 | 4 | 11.40 | 14.604 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 47.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 238 | 4 | 4 | 11.30 | 14.599 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 47.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 239 | 4 | 4 | 11.20 | 14.594 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 46.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 240 | 4 | 4 | 11.10 | 14.589 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 46.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 241 | 4 | 4 | 11.00 | 14.584 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 45.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 242 | 4 | 4 | 10.90 | 14.579 | 31.8 | 0.0 | 7.7 | 16.7 | 0.0 | 1.8 | 0.1 | 45.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 243 | 4 | 4 | 10.80 | 14.574 | 31.8 | 0.0 | 7.7 | 16.7 | 0.0 | 1.8 | 0.1 | 44.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 244 | 4 | 4 | 10.70 | 14.569 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 44.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 245 | 4 | 4 | 10.60 | 14.564 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 43.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 246 | 4 | 4 | 10.50 | 14.559 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 43.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 247 | 4 | 4 | 10.40 | 14.554 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 42.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 248 | 4 | 4 | 10.30 | 14.549 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 42.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 249 | 4 | 4 | 10.20 | 14.544 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 41.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 250 | 4 | 4 | 10.10 | 14.539 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 41.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 251 | 4 | 4 | 10.00 | 14.534 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 40.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 252 | 4 | 4 | 9.90 | 14.529 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 40.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| DIVERSION # 253 (TRIB 3 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 253 | 5 | 5 | 9.80 | 5.314 | 31.8 | 0.0 | 7.7 | 16.3 | 0.0 | 1.8 | 0.1 | 39.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 254 | 5 | 5 | 9.70 | 5.311 | 31.8 | 0.0 | 7.7 | 16.3 | 0.0 | 1.8 | 0.1 | 39.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 255 | 5 | 5 | 9.60 | 5.308 | 31.8 | 0.0 | 7.7 | 16.2 | 0.0 | 1.8 | 0.1 | 39.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 256 | 5 | 5 | 9.50 | 5.305 | 31.8 | 0.0 | 7.7 | 16.2 | 0.0 | 1.8 | 0.1 | 39.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 257 | 5 | 5 | 9.40 | 5.301 | 31.8 | 0.0 | 7.7 | 16.1 | 0.0 | 1.8 | 0.1 | 38.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 258 | 5 | 5 | 9.30 | 5.298 | 31.8 | 0.0 | 7.7 | 16.0 | 0.0 | 1.8 | 0.1 | 38.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 259 | 5 | 5 | 9.20 | 5.295 | 31.8 | 0.0 | 7.7 | 16.0 | 0.0 | 1.8 | 0.1 | 38.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 260 | 5 | 5 | 9.10 | 5.292 | 31.8 | 0.0 | 7.6 | 15.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 261 | 5 | 5 | 9.00 | 5.289 | 31.8 | 0.0 | 7.6 | 15.9 | 0.0 | 1.8 | 0.1 | 37.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 262 | 5 | 5 | 8.90 | 5.286 | 31.8 | 0.0 | 7.6 | 15.8 | 0.0 | 1.8 | 0.1 | 37.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 263 | 5 | 5 | 8.80 | 5.282 | 31.8 | 0.0 | 7.6 | 15.8 | 0.0 | 1.8 | 0.1 | 37.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 264 | 5 | 5 | 8.70 | 5.279 | 31.8 | 0.0 | 7.6 | 15.7 | 0.0 | 1.8 | 0.1 | 37.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 265 | 5 | 5 | 8.60 | 5.276 | 31.8 | 0.0 | 7.6 | 15.7 | 0.0 | 1.8 | 0.1 | 36.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 266 | 5 | 5 | 8.50 | 5.273 | 31.8 | 0.0 | 7.6 | 15.6 | 0.0 | 1.8 | 0.1 | 36.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 267 | 5 | 5 | 8.40 | 5.270 | 31.8 | 0.0 | 7.5 | 15.5 | 0.0 | 1.8 | 0.1 | 36.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 268 | 5 | 5 | 8.30 | 5.267 | 31.8 | 0.0 | 7.5 | 15.5 | 0.0 | 1.8 | 0.1 | 35.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 269 | 5 | 5 | 8.20 | 5.263 | 31.8 | 0.0 | 7.5 | 15.4 | 0.0 | 1.8 | 0.1 | 35.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 270 | 5 | 5 | 8.10 | 5.260 | 31.8 | 0.0 | 7.5 | 15.4 | 0.0 | 1.8 | 0.1 | 35.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 271 | 5 | 5 | 8.00 | 5.257 | 31.8 | 0.0 | 7.5 | 15.3 | 0.0 | 1.8 | 0.1 | 35.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 272 | 5 | 5 | 7.90 | 5.254 | 31.8 | 0.0 | 7.5 | 15.3 | 0.0 | 1.8 | 0.1 | 34.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 273 | 5 | 5 | 7.80 | 5.251 | 31.8 | 0.0 | 7.5 | 15.2 | 0.0 | 1.8 | 0.1 | 34.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 274 | 5 | 5 | 7.70 | 5.247 | 31.8 | 0.0 | 7.4 | 15.2 | 0.0 | 1.8 | 0.1 | 34.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 275 | 5 | 5 | 7.60 | 5.244 | 31.8 | 0.0 | 7.4 | 15.1 | 0.0 | 1.8 | 0.1 | 34.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 276 | 5 | 5 | 7.50 | 5.241 | 31.8 | 0.0 | 7.4 | 15.1 | 0.0 | 1.8 | 0.1 | 33.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 277 | 5 | 5 | 7.40 | 5.238 | 31.8 | 0.0 | 7.4 | 15.0 | 0.0 | 1.8 | 0.1 | 33.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 278 | 5 | 5 | 7.30 | 5.235 | 31.8 | 0.0 | 7.4 | 15.0 | 0.0 | 1.8 | 0.1 | 33.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 279 | 5 | 5 | 7.20 | 5.232 | 31.8 | 0.0 | 7.4 | 14.9 | 0.0 | 1.8 | 0.1 | 33.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 280 | 5 | 5 | 7.10 | 5.228 | 31.8 | 0.0 | 7.3 | 14.8 | 0.0 | 1.8 | 0.1 | 32.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 281 | 5 | 5 | 7.00 | 5.225 | 31.8 | 0.0 | 7.3 | 14.8 | 0.0 | 1.8 | 0.1 | 32.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 282 | 5 | 5 | 6.90 | 5.222 | 31.8 | 0.0 | 7.3 | 14.7 | 0.0 | 1.8 | 0.1 | 32.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 283 | 5 | 5 | 6.80 | 5.219 | 31.8 | 0.0 | 7.3 | 14.7 | 0.0 | 1.8 | 0.1 | 32.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 284 | 5 | 5 | 6.70 | 5.216 | 31.8 | 0.0 | 7.3 | 14.6 | 0.0 | 1.8 | 0.1 | 31.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 285 | 5 | 5 | 6.60 | 5.213 | 31.8 | 0.0 | 7.2 | 14.6 | 0.0 | 1.8 | 0.1 | 31.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 286 | 5 | 5 | 6.50 | 5.209 | 31.8 | 0.0 | 7.2 | 14.5 | 0.0 | 1.7 | 0.1 | 31.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 287 | 5 | 5 | 6.40 | 5.206 | 31.8 | 0.0 | 7.2 | 14.5 | 0.0 | 1.7 | 0.1 | 31.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 288 | 5 | 5 | 6.30 | 5.203 | 31.8 | 0.0 | 7.2 | 14.4 | 0.0 | 1.7 | 0.1 | 30.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 289 | 5 | 5 | 6.20 | 5.200 | 31.8 | 0.0 | 7.2 | 14.4 | 0.0 | 1.7 | 0.1 | 30.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 290 | 5 | 5 | 6.10 | 5.197 | 31.8 | 0.0 | 7.1 | 14.3 | 0.0 | 1.7 | 0.1 | 30.3 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 291 | 5 | 5 | 6.00 | 5.193 | 31.8 | 0.0 | 7.1 | 14.3 | 0.0 | 1.7 | 0.1 | 30.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 292 | 5 | 5 | 5.90 | 5.190 | 31.8 | 0.0 | 7.1 | 14.2 | 0.0 | 1.7 | 0.1 | 29.8 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 293 | 5 | 5 | 5.80 | 5.187 | 31.8 | 0.0 | 7.1 | 14.2 | 0.0 | 1.7 | 0.1 | 29.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 294 | 5 | 5 | 5.70 | 5.184 | 31.8 | 0.0 | 7.1 | 14.1 | 0.0 | 1.7 | 0.1 | 29.3 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 295 | 5 | 5 | 5.60 | 5.181 | 31.8 | 0.0 | 7.0 | 14.1 | 0.0 | 1.7 | 0.1 | 29.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 296 | 5 | 5 | 5.50 | 5.178 | 31.8 | 0.0 | 7.0 | 14.0 | 0.0 | 1.7 | 0.1 | 28.8 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 297 | 5 | 5 | 5.40 | 5.174 | 31.8 | 0.0 | 7.0 | 14.0 | 0.0 | 1.7 | 0.1 | 28.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 298 | 5 | 5 | 5.30 | 5.171 | 31.8 | 0.0 | 7.0 | 13.9 | 0.0 | 1.7 | 0.1 | 28.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 299 | 5 | 5 | 5.20 | 5.168 | 31.8 | 0.0 | 6.9 | 13.9 | 0.0 | 1.7 | 0.1 | 28.1 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 300 | 5 | 5 | 5.10 | 5.165 | 31.8 | 0.0 | 6.9 | 13.8 | 0.0 | 1.7 | 0.1 | 27.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 301 | 5 | 5 | 5.00 | 5.162 | 31.8 | 0.0 | 6.9 | 13.8 | 0.0 | 1.7 | 0.1 | 27.6 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 302 | 5 | 5 | 4.90 | 5.159 | 31.8 | 0.0 | 6.9 | 13.7 | 0.0 | 1.7 | 0.1 | 27.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 303 | 5 | 5 | 4.80 | 5.155 | 31.8 | 0.0 | 6.8 | 13.7 | 0.0 | 1.7 | 0.1 | 27.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 304 | 5 | 5 | 4.70 | 5.152 | 31.8 | 0.0 | 6.8 | 13.7 | 0.0 | 1.7 | 0.1 | 26.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 305 | 5 | 5 | 4.60 | 5.149 | 31.8 | 0.0 | 6.8 | 13.6 | 0.0 | 1.7 | 0.1 | 26.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 306 | 5 | 5 | 4.50 | 5.146 | 31.8 | 0.0 | 6.8 | 13.6 | 0.0 | 1.7 | 0.1 | 26.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 307 | 5 | 5 | 4.40 | 5.143 | 31.8 | 0.0 | 6.7 | 13.5 | 0.0 | 1.7 | 0.1 | 26.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 308 | 5 | 5 | 4.30 | 5.140 | 31.8 | 0.0 | 6.7 | 13.5 | 0.0 | 1.7 | 0.1 | 25.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 309 | 5 | 5 | 4.20 | 5.136 | 31.8 | 0.0 | 6.7 | 13.4 | 0.0 | 1.7 | 0.1 | 25.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 310 | 5 | 5 | 4.10 | 5.133 | 31.8 | 0.0 | 6.7 | 13.4 | 0.0 | 1.7 | 0.1 | 25.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 311 | 5 | 5 | 4.00 | 5.130 | 31.8 | 0.0 | 6.6 | 13.3 | 0.0 | 1.7 | 0.1 | 25.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 312 | 5 | 5 | 3.90 | 5.127 | 31.8 | 0.0 | 6.6 | 13.3 | 0.0 | 1.7 | 0.1 | 24.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 313 | 5 | 5 | 3.80 | 5.124 | 31.8 | 0.0 | 6.6 | 13.2 | 0.0 | 1.7 | 0.1 | 24.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 314 | 5 | 5 | 3.70 | 5.120 | 31.8 | 0.0 | 6.6 | 13.2 | 0.0 | 1.7 | 0.1 | 24.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 315 | 5 | 5 | 3.60 | 5.117 | 31.8 | 0.0 | 6.5 | 13.1 | 0.0 | 1.7 | 0.1 | 24.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 316 | 6 | 6 | 3.50 | 5.111 | 31.8 | 0.0 | 6.5 | 13.1 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 317 | 6 | 6 | 3.40 | 5.104 | 31.8 | 0.0 | 6.5 | 13.0 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 318 | 6 | 6 | 3.30 | 5.097 | 31.8 | 0.0 | 6.5 | 13.0 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 319 | 6 | 6 | 3.20 | 5.091 | 31.9 | 0.0 | 6.4 | 12.9 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 320 | 6 | 6 | 3.10 | 5.084 | 31.9 | 0.0 | 6.4 | 12.8 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 321 | 6 | 6 | 3.00 | 5.077 | 31.9 | 0.0 | 6.4 | 12.8 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 322 | 6 | 6 | 2.90 | 5.071 | 31.9 | 0.0 | 6.3 | 12.7 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 323 | 6 | 6 | 2.80 | 5.064 | 31.9 | 0.0 | 6.3 | 12.7 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 324 | 6 | 6 | 2.70 | 5.057 | 31.9 | 0.0 | 6.3 | 12.6 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 325 | 6 | 6 | 2.60 | 5.051 | 32.0 | 0.0 | 6.3 | 12.6 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 326 | 6 | 6 | 2.50 | 5.044 | 32.0 | 0.0 | 6.2 | 12.5 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 327 | 6 | 6 | 2.40 | 5.037 | 32.0 | 0.0 | 6.2 | 12.4 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 328 | 6 | 6 | 2.30 | 5.031 | 32.0 | 0.0 | 6.2 | 12.4 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 329 | 6 | 6 | 2.20 | 5.024 | 32.0 | 0.0 | 6.2 | 12.3 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 330 | 6 | 6 | 2.10 | 5.017 | 32.0 | 0.0 | 6.1 | 12.3 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 331 | 6 | 6 | 2.00 | 5.011 | 32.1 | 0.0 | 6.1 | 12.2 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 332 | 6 | 6 | 1.90 | 5.004 | 32.1 | 0.0 | 6.1 | 12.2 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 333 | 6 | 6 | 1.80 | 4.997 | 32.1 | 0.0 | 6.1 | 12.1 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 334 | 6 | 6 | 1.70 | 4.991 | 32.1 | 0.0 | 6.1 | 12.1 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.22 |
| 335 | 6 | 6 | 1.60 | 4.984 | 32.1 | 0.0 | 6.0 | 12.0 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 336 | 6 | 6 | 1.50 | 4.977 | 32.1 | 0.0 | 6.0 | 12.0 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 337 | 6 | 6 | 1.40 | 4.971 | 32.2 | 0.0 | 6.0 | 11.9 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 338 | 6 | 6 | 1.30 | 4.964 | 32.2 | 0.0 | 6.0 | 11.8 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 339 | 6 | 6 | 1.20 | 4.957 | 32.2 | 0.0 | 6.0 | 11.8 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 340 | 6 | 6 | 1.10 | 4.951 | 32.2 | 0.0 | 6.0 | 11.7 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 341 | 6 | 6 | 1.00 | 4.944 | 32.2 | 0.0 | 5.9 | 11.7 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 342 | 6 | 6 | 0.90 | 4.937 | 32.2 | 0.0 | 5.9 | 11.6 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 343 | 6 | 6 | 0.80 | 4.931 | 32.3 | 0.0 | 5.9 | 11.6 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 344 | 6 | 6 | 0.70 | 4.924 | 32.3 | 0.0 | 5.9 | 11.5 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 345 | 6 | 6 | 0.60 | 4.917 | 32.3 | 0.0 | 5.9 | 11.2 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

TRIBUTARY # 346 (Station 935) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | 17 | 17 | 0.50 | 10.274 | 32.3 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.855 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 527 | 17 | 17 | 0.40 | 10.274 | 32.3 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.855 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 528 | 17 | 17 | 0.30 | 10.274 | 32.2 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 529 | 17 | 17 | 0.20 | 10.274 | 32.2 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 530 | 17 | 17 | 0.10 | 10.274 | 32.2 | 0.0 | 6.1 | 9.0 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 531 | 17 | 17 | 0.00 | 10.274 | 32.2 | 0.0 | 6.1 | 8.3 | 0.0 | 1.9 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | WIDTH | VELO | VELO | SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 346 | 7 | 7 | 17.90 | 0.038 | 31.5 | 0.0 | 4.9 | 2.9 | 0.0 | 0.9 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.09 |
| 347 | 7 | 7 | 17.80 | 0.038 | 31.5 | 0.0 | 4.9 | 2.5 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.09 |
| 348 | 7 | 7 | 17.70 | 0.038 | 31.4 | 0.0 | 4.9 | 2.2 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.08 |
| 349 | 7 | 7 | 17.60 | 0.038 | 31.4 | 0.0 | 5.0 | 1.9 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.08 |
| 350 | 7 | 7 | 17.50 | 0.038 | 31.4 | 0.0 | 5.0 | 1.6 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.07 |
| 351 | 7 | 7 | 17.40 | 0.038 | 31.4 | 0.0 | 5.1 | 1.4 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.07 |
| 352 | 7 | 7 | 17.30 | 0.038 | 31.3 | 0.0 | 5.1 | 1.2 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 353 | 7 | 7 | 17.20 | 0.038 | 31.3 | 0.0 | 5.2 | 1.0 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 354 | 7 | 7 | 17.10 | 0.038 | 31.3 | 0.0 | 5.2 | 0.9 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 355 | 7 | 7 | 17.00 | 0.038 | 31.3 | 0.0 | 5.3 | 0.8 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 356 | 7 | 7 | 16.90 | 0.038 | 31.2 | 0.0 | 5.3 | 0.7 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 357 | 7 | 7 | 16.80 | 0.038 | 31.2 | 0.0 | 5.3 | 0.6 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 358 | 7 | 7 | 16.70 | 0.038 | 31.2 | 0.0 | 5.4 | 0.5 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 359 | 7 | 7 | 16.60 | 0.038 | 31.2 | 0.0 | 5.4 | 0.4 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 360 | 7 | 7 | 16.50 | 0.038 | 31.2 | 0.0 | 5.4 | 0.4 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 361 | 7 | 7 | 16.40 | 0.038 | 31.1 | 0.0 | 5.4 | 0.3 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| 362 | 7 | 7 | 16.30 | 0.038 | 31.1 | 0.0 | 5.4 | 0.3 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| 363 | 7 | 7 | 16.20 | 0.038 | 31.1 | 0.0 | 5.5 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| 364 | 7 | 7 | 16.10 | 0.038 | 31.1 | 0.0 | 5.5 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 365 | 7 | 7 | 16.00 | 0.038 | 31.0 | 0.0 | 5.5 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 366 | 7 | 7 | 15.90 | 0.038 | 31.0 | 0.0 | 5.5 | 0.2 | 0.0 | 0.3 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.22 | 3.00 |
| 367 | 7 | 7 | 15.80 | 0.038 | 31.0 | 0.0 | 5.5 | 0.1 | 0.0 | 0.3 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.22 | 3.00 |
| 368 | 8 | 8 | 15.70 | 0.209 | 31.0 | 0.0 | 7.0 | 2.8 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 369 | 8 | 8 | 15.60 | 0.379 | 31.0 | 0.0 | 7.0 | 2.9 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 370 | 8 | 8 | 15.50 | 0.550 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 371 | 8 | 8 | 15.40 | 0.721 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 372 | 8 | 8 | 15.30 | 0.892 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 373 | 8 | 8 | 15.20 | 1.063 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 374 | 8 | 8 | 15.10 | 1.234 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 375 | 8 | 8 | 15.00 | 1.405 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 376 | 8 | 8 | 14.90 | 1.575 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 377 | 9 | 9 | 14.80 | 1.728 | 31.0 | 0.0 | 6.3 | 3.6 | 0.0 | 1.1 | 0.1 | 11.2 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 378 | 9 | 9 | 14.70 | 1.881 | 31.1 | 0.0 | 5.9 | 4.0 | 0.0 | 1.3 | 0.1 | 12.3 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 379 | 9 | 9 | 14.60 | 2.034 | 31.1 | 0.0 | 5.8 | 4.4 | 0.0 | 1.4 | 0.1 | 13.5 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| WASTELOAD # 380 (TRIB 4 OUTFLOW) ENTERS HERE WITHOUT ANY FLOW | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | 9 | 9 | 14.50 | 2.187 | 31.2 | 0.0 | 5.8 | 4.6 | 0.0 | 1.6 | 0.1 | 14.6 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 381 | 9 | 9 | 14.40 | 2.340 | 31.2 | 0.0 | 5.8 | 4.8 | 0.0 | 1.7 | 0.1 | 15.8 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.646 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 382 | 9 | 9 | 14.30 | 2.493 | 31.2 | 0.0 | 5.8 | 5.0 | 0.0 | 1.8 | 0.1 | 16.9 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.646 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 383 | 9 | 9 | 14.20 | 2.646 | 31.3 | 0.0 | 5.9 | 5.1 | 0.0 | 1.8 | 0.1 | 18.1 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.647 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 384 | 9 | 9 | 14.10 | 2.799 | 31.3 | 0.0 | 6.0 | 5.2 | 0.0 | 1.9 | 0.1 | 19.2 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.647 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 385 | 9 | 9 | 14.00 | 2.952 | 31.3 | 0.0 | 6.0 | 5.3 | 0.0 | 1.9 | 0.2 | 20.4 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 386 | 9 | 9 | 13.90 | 3.104 | 31.4 | 0.0 | 6.1 | 5.3 | 0.0 | 2.0 | 0.2 | 21.5 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.07 |
| 387 | 9 | 9 | 13.80 | 3.257 | 31.4 | 0.0 | 6.2 | 5.4 | 0.0 | 2.0 | 0.2 | 22.7 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.08 |
| 388 | 9 | 9 | 13.70 | 3.410 | 31.5 | 0.0 | 6.3 | 5.4 | 0.0 | 2.0 | 0.2 | 23.8 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.649 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 389 | 9 | 9 | 13.60 | 3.563 | 31.5 | 0.0 | 6.4 | 5.5 | 0.0 | 2.1 | 0.2 | 25.0 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.649 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 390 | 10 | 10 | 13.50 | 3.563 | 31.5 | 0.0 | 6.3 | 5.5 | 0.0 | 2.1 | 0.2 | 26.4 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 391 | 10 | 10 | 13.40 | 3.563 | 31.5 | 0.0 | 6.2 | 5.5 | 0.0 | 2.0 | 0.2 | 27.9 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 392 | 10 | 10 | 13.30 | 3.563 | 31.5 | 0.0 | 6.1 | 5.6 | 0.0 | 2.0 | 0.2 | 29.3 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 393 | 10 | 10 | 13.20 | 3.563 | 31.5 | 0.0 | 6.0 | 5.6 | 0.0 | 2.0 | 0.2 | 30.8 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 394 | 10 | 10 | 13.10 | 3.563 | 31.5 | 0.0 | 6.0 | 5.6 | 0.0 | 2.0 | 0.2 | 32.2 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 395 | 10 | 10 | 13.00 | 3.563 | 31.5 | 0.0 | 5.9 | 5.6 | 0.0 | 2.0 | 0.2 | 33.7 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 396 | 10 | 10 | 12.90 | 3.563 | 31.5 | 0.0 | 5.9 | 5.7 | 0.0 | 2.0 | 0.2 | 35.1 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 397 | 10 | 10 | 12.80 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 2.0 | 0.2 | 36.6 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 398 | 10 | 10 | 12.70 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 1.9 | 0.2 | 38.0 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 399 | 11 | 11 | 12.60 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 1.9 | 0.2 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 400 | 11 | 11 | 12.50 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 401 | 11 | 11 | 12.40 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 402 | 11 | 11 | 12.30 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 403 | 11 | 11 | 12.20 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 404 | 11 | 11 | 12.10 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 405 | 11 | 11 | 12.00 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 406 | 11 | 11 | 11.90 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 407 | 11 | 11 | 11.80 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 408 | 11 | 11 | 11.70 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 409 | 11 | 11 | 11.60 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 410 | 11 | 11 | 11.50 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 411 | 11 | 11 | 11.40 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 412 | 11 | 11 | 11.30 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 413 | 11 | 11 | 11.20 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 414 | 11 | 11 | 11.10 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 415 | 11 | 11 | 11.00 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 416 | 11 | 11 | 10.90 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 417 | 11 | 11 | 10.80 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 418 | 12 | 12 | 10.70 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 419 | 12 | 12 | 10.60 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 420 | 12 | 12 | 10.50 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 421 | 12 | 12 | 10.40 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 422 | 12 | 12 | 10.30 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 423 | 12 | 12 | 10.20 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 424 | 12 | 12 | 10.10 | 3.563 | 31.5 | 0.0 | 5.6 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 425 | 12 | 12 | 10.00 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 426 | 12 | 12 | 9.90 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 427 | 12 | 12 | 9.80 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 428 | 12 | 12 | 9.70 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 429 | 12 | 12 | 9.60 | 3.563 | 31.5 | 0.0 | 5.4 | 6.3 | 0.0 | 1.7 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 430 | 12 | 12 | 9.50 | 3.563 | 31.5 | 0.0 | 5.4 | 6.4 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| WASTELOAD # 431 (TRIB 5 INFLOW) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 | 13 | 13 | 9.40 | 6.848 | 31.5 | 0.0 | 5.3 | 8.1 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 72.0 | 0.068 | 0.068 | 7.4 | 0.761 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 432 | 13 | 13 | 9.30 | 6.848 | 31.5 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 72.0 | 0.068 | 0.068 | 7.4 | 0.761 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| DIVERSION # 433 (TRIB 6 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 433 | 14 | 14 | 9.20 | 5.104 | 31.6 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.4 | 0.667 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.11 |
| 434 | 14 | 14 | 9.10 | 5.106 | 31.6 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.4 | 0.668 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.12 |
| 435 | 14 | 14 | 9.00 | 5.108 | 31.7 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.669 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.13 |
| 436 | 14 | 14 | 8.90 | 5.110 | 31.8 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.670 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 437 | 14 | 14 | 8.80 | 5.112 | 31.8 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.671 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.16 |
| 438 | 14 | 14 | 8.70 | 5.114 | 31.9 | 0.0 | 5.5 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.672 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.17 |
| 439 | 14 | 14 | 8.60 | 5.117 | 32.0 | 0.0 | 5.5 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.673 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 440 | 14 | 14 | 8.50 | 5.119 | 32.0 | 0.0 | 5.5 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.674 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 441 | 14 | 14 | 8.40 | 5.121 | 32.1 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.675 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 442 | 14 | 14 | 8.30 | 5.123 | 32.2 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.675 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.23 |
| 443 | 14 | 14 | 8.20 | 5.125 | 32.2 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.676 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.24 |
| 444 | 14 | 14 | 8.10 | 5.127 | 32.3 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.677 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 445 | 15 | 15 | 8.00 | 5.130 | 32.3 | 0.0 | 5.7 | 7.9 | 0.0 | 2.8 | 0.1 | 37.9 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 446 | 15 | 15 | 7.90 | 5.133 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.8 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 447 | 15 | 15 | 7.80 | 5.136 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.7 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 448 | 15 | 15 | 7.70 | 5.138 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.6 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 449 | 15 | 15 | 7.60 | 5.141 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.5 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 450 | 15 | 15 | 7.50 | 5.144 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.3 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 451 | 15 | 15 | 7.40 | 5.147 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.2 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 452 | 15 | 15 | 7.30 | 5.149 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 453 | 15 | 15 | 7.20 | 5.152 | 32.3 | 0.0 | 5.9 | 7.8 | 0.0 | 2.8 | 0.1 | 37.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 454 | 15 | 15 | 7.10 | 5.155 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 455 | 15 | 15 | 7.00 | 5.158 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 456 | 15 | 15 | 6.90 | 5.161 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 457 | 15 | 15 | 6.80 | 5.163 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 458 | 15 | 15 | 6.70 | 5.166 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 459 | 15 | 15 | 6.60 | 5.169 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 460 | 15 | 15 | 6.50 | 5.172 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 461 | 15 | 15 | 6.40 | 5.175 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 462 | 15 | 15 | 6.30 | 5.177 | 32.3 | 0.0 | 6.0 | 7.6 | 0.0 | 2.7 | 0.1 | 36.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 463 | 15 | 15 | 6.20 | 5.180 | 32.3 | 0.0 | 6.0 | 7.6 | 0.0 | 2.7 | 0.1 | 35.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 464 | 15 | 15 | 6.10 | 5.183 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 465 | 15 | 15 | 6.00 | 5.186 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 466 | 15 | 15 | 5.90 | 5.189 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 467 | 15 | 15 | 5.80 | 5.191 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 468 | 15 | 15 | 5.70 | 5.194 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 469 | 15 | 15 | 5.60 | 5.197 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.3 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 470 | 15 | 15 | 5.50 | 5.200 | 32.3 | 0.0 | 6.1 | 7.5 | 0.0 | 2.7 | 0.1 | 35.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 471 | 15 | 15 | 5.40 | 5.203 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 35.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 472 | 15 | 15 | 5.30 | 5.205 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 473 | 15 | 15 | 5.20 | 5.208 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 474 | 15 | 15 | 5.10 | 5.211 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 475 | 15 | 15 | 5.00 | 5.214 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 476 | 15 | 15 | 4.90 | 5.217 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 477 | 15 | 15 | 4.80 | 5.219 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 478 | 15 | 15 | 4.70 | 5.222 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.3 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 479 | 15 | 15 | 4.60 | 5.225 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 34.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 480 | 15 | 15 | 4.50 | 5.228 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 34.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 481 | 15 | 15 | 4.40 | 5.230 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 482 | 15 | 15 | 4.30 | 5.233 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 483 | 15 | 15 | 4.20 | 5.236 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 484 | 15 | 15 | 4.10 | 5.239 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 485 | 15 | 15 | 4.00 | 5.242 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 486 | 15 | 15 | 3.90 | 5.244 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 487 | 15 | 15 | 3.80 | 5.247 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 488 | 15 | 15 | 3.70 | 5.250 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 489 | 15 | 15 | 3.60 | 5.253 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 490 | 15 | 15 | 3.50 | 5.256 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 491 | 15 | 15 | 3.40 | 5.258 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 492 | 15 | 15 | 3.30 | 5.261 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.7 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 493 | 15 | 15 | 3.20 | 5.264 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.6 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 494 | 15 | 15 | 3.10 | 5.267 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 495 | 15 | 15 | 3.00 | 5.270 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 496 | 15 | 15 | 2.90 | 5.272 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 497 | 15 | 15 | 2.80 | 5.275 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 498 | 15 | 15 | 2.70 | 5.278 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 499 | 15 | 15 | 2.60 | 5.281 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 500 | 15 | 15 | 2.50 | 5.284 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.9 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 501 | 15 | 15 | 2.40 | 5.286 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 502 | 15 | 15 | 2.30 | 5.289 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.6 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 503 | 15 | 15 | 2.20 | 5.292 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 504 | 15 | 15 | 2.10 | 5.295 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.6 | 0.1 | 31.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 505 | 15 | 15 | 2.00 | 5.298 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 506 | 15 | 15 | 1.90 | 5.300 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 507 | 15 | 15 | 1.80 | 5.303 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 508 | 15 | 15 | 1.70 | 5.306 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 509 | 15 | 15 | 1.60 | 5.309 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.9 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 510 | 15 | 15 | 1.50 | 5.311 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 511 | 15 | 15 | 1.40 | 5.314 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.7 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 512 | 15 | 15 | 1.30 | 5.317 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 513 | 15 | 15 | 1.20 | 5.320 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 514 | 15 | 15 | 1.10 | 5.323 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 515 | 15 | 15 | 1.00 | 5.325 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 516 | 15 | 15 | 0.90 | 5.328 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 517 | 15 | 15 | 0.80 | 5.331 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 518 | 16 | 16 | 0.70 | 5.334 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 29.2 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 519 | 16 | 16 | 0.60 | 5.337 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 28.5 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 520 | 16 | 16 | 0.50 | 5.341 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 27.8 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 521 | 16 | 16 | 0.40 | 5.344 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 27.0 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 522 | 16 | 16 | 0.30 | 5.347 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 26.2 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 523 | 16 | 16 | 0.20 | 5.350 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 25.5 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 524 | 16 | 16 | 0.10 | 5.353 | 32.3 | 0.0 | 6.4 | 6.9 | 0.0 | 2.6 | 0.1 | 24.8 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 525 | 16 | 16 | 0.00 | 5.357 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 24.0 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

SPECIAL REPORT: Bayou Chene

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOTN µg/L | PHOS ** | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 31.22 | 0.0 | 0.0 | 0.0 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 2.26 | 0.00 | 70.2 | 0.0 | 0. | 0.00 |
| 2 | 34.900 | 31.24 | 0.0 | 0.0 | 0.0 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.3 | 0.0 | 0. | 0.00 |
| 3 | 34.800 | 31.25 | 0.0 | 0.0 | 0.0 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.5 | 0.0 | 0. | 0.00 |
| 4 | 34.700 | 31.27 | 0.0 | 0.0 | 0.0 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.6 | 0.0 | 0. | 0.00 |
| 5 | 34.600 | 31.29 | 0.0 | 0.0 | 0.0 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.24 | 0.00 | 70.8 | 0.0 | 0. | 0.00 |
| 6 | 34.500 | 31.31 | 0.0 | 0.0 | 0.0 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 70.9 | 0.0 | 0. | 0.00 |
| 7 | 34.400 | 31.33 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 71.1 | 0.0 | 0. | 0.00 |
| 8 | 34.300 | 31.35 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.23 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 9 | 34.200 | 31.36 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.4 | 0.0 | 0. | 0.00 |
| 10 | 34.100 | 31.38 | 0.0 | 0.0 | 0.0 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.5 | 0.0 | 0. | 0.00 |
| 11 | 34.000 | 31.40 | 0.0 | 0.0 | 0.0 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.7 | 0.0 | 0. | 0.00 |
| 12 | 33.900 | 31.42 | 0.0 | 0.0 | 0.0 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.8 | 0.0 | 0. | 0.00 |
| 13 | 33.800 | 31.44 | 0.0 | 0.0 | 0.0 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.52 | 2.22 | 0.00 | 72.0 | 0.0 | 0. | 0.00 |
| 14 | 33.700 | 31.45 | 0.0 | 0.0 | 0.0 | 6.14 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.1 | 0.0 | 0. | 0.00 |
| 15 | 33.600 | 31.47 | 0.0 | 0.0 | 0.0 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.3 | 0.0 | 0. | 0.00 |
| 16 | 33.500 | 31.49 | 0.0 | 0.0 | 0.0 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.21 | 0.00 | 72.4 | 0.0 | 0. | 0.00 |
| 17 | 33.400 | 31.51 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.6 | 0.0 | 0. | 0.00 |
| 18 | 33.300 | 31.53 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.7 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 33.200 | 31.55 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.9 | 0.0 | 0. | 0.00 |
| 20 | 33.100 | 31.56 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.0 | 0.0 | 0. | 0.00 |
| 21 | 33.000 | 31.58 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.2 | 0.0 | 0. | 0.00 |
| 22 | 32.900 | 31.60 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.18 | 0.00 | 73.3 | 0.0 | 0. | 0.00 |
| 23 | 32.800 | 31.62 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.5 | 0.0 | 0. | 0.00 |
| 24 | 32.700 | 31.64 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.6 | 0.0 | 0. | 0.00 |
| 25 | 32.600 | 31.65 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.8 | 0.0 | 0. | 0.00 |
| 26 | 32.500 | 31.67 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.9 | 0.0 | 0. | 0.00 |
| 27 | 32.400 | 31.69 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.17 | 0.00 | 74.1 | 0.0 | 0. | 0.00 |
| 28 | 32.300 | 31.71 | 0.0 | 0.0 | 0.0 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.2 | 0.0 | 0. | 0.00 |
| 29 | 32.200 | 31.73 | 0.0 | 0.0 | 0.0 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.4 | 0.0 | 0. | 0.00 |
| 30 | 32.100 | 31.75 | 0.0 | 0.0 | 0.0 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.16 | 0.00 | 74.5 | 0.0 | 0. | 0.00 |
| 31 | 32.000 | 31.76 | 0.0 | 0.0 | 0.0 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.7 | 0.0 | 0. | 0.00 |
| 32 | 31.900 | 31.78 | 0.0 | 0.0 | 0.0 | 6.08 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.8 | 0.0 | 0. | 0.00 |
| 33 | 31.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 34 | 31.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.08 | 16.14 | 0.00 | 16.14 | 0.00 | 1.58 | 0.10 | 0.46 | 2.15 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 35 | 31.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.07 | 16.19 | 0.00 | 16.19 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.1 | 0.0 | 0. | 0.00 |
| 36 | 31.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.07 | 16.24 | 0.00 | 16.24 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.1 | 0.0 | 0. | 0.00 |
| 37 | 31.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.06 | 16.30 | 0.00 | 16.30 | 0.00 | 1.59 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 38 | 31.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.06 | 16.35 | 0.00 | 16.35 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 39 | 31.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.05 | 16.40 | 0.00 | 16.40 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 40 | 31.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.05 | 16.45 | 0.00 | 16.45 | 0.00 | 1.60 | 0.10 | 0.44 | 2.15 | 0.00 | 75.3 | 0.0 | 0. | 0.00 |
| 41 | 31.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.50 | 0.00 | 16.50 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.3 | 0.0 | 0. | 0.00 |
| 42 | 30.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.55 | 0.00 | 16.55 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 43 | 30.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.61 | 0.00 | 16.61 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 44 | 30.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.03 | 16.66 | 0.00 | 16.66 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 45 | 30.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.03 | 16.71 | 0.00 | 16.71 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.5 | 0.0 | 0. | 0.00 |
| 46 | 30.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.02 | 16.76 | 0.00 | 16.76 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.5 | 0.0 | 0. | 0.00 |
| 47 | 30.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.02 | 16.81 | 0.00 | 16.81 | 0.00 | 1.62 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 48 | 30.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.01 | 16.86 | 0.00 | 16.86 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 49 | 30.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.01 | 16.91 | 0.00 | 16.91 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 50 | 30.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 16.96 | 0.00 | 16.96 | 0.00 | 1.63 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 51 | 30.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 17.01 | 0.00 | 17.01 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 52 | 29.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 17.06 | 0.00 | 17.06 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 53 | 29.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 17.11 | 0.00 | 17.11 | 0.00 | 1.64 | 0.10 | 0.40 | 2.15 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 54 | 29.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 17.16 | 0.00 | 17.16 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 55 | 29.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.98 | 17.21 | 0.00 | 17.21 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 56 | 29.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.98 | 17.25 | 0.00 | 17.25 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 57 | 29.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.30 | 0.00 | 17.30 | 0.00 | 1.65 | 0.10 | 0.39 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 58 | 29.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.35 | 0.00 | 17.35 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.0 | 0.0 | 0. | 0.00 |
| 59 | 29.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.40 | 0.00 | 17.40 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.0 | 0.0 | 0. | 0.00 |
| 60 | 29.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.96 | 17.45 | 0.00 | 17.45 | 0.00 | 1.66 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 61 | 29.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.96 | 17.49 | 0.00 | 17.49 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 62 | 28.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.54 | 0.00 | 17.54 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 63 | 28.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.59 | 0.00 | 17.59 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 64 | 28.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.64 | 0.00 | 17.64 | 0.00 | 1.67 | 0.10 | 0.37 | 2.15 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 65 | 28.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 17.68 | 0.00 | 17.68 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |
| 66 | 28.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 17.73 | 0.00 | 17.73 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |
| 67 | 28.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.78 | 0.00 | 17.78 | 0.00 | 1.68 | 0.10 | 0.36 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |
| 68 | 28.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.82 | 0.00 | 17.82 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.4 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 28.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.87 | 0.00 | 17.87 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.4 | 0.0 | 0. | 0.00 |
| 70 | 28.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.92 | 17.92 | 0.00 | 17.92 | 0.00 | 1.69 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 71 | 28.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.92 | 17.96 | 0.00 | 17.96 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 72 | 27.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.01 | 0.00 | 18.01 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 73 | 27.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.06 | 0.00 | 18.06 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.6 | 0.0 | 0. | 0.00 |
| 74 | 27.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.10 | 0.00 | 18.10 | 0.00 | 1.70 | 0.10 | 0.34 | 2.15 | 0.00 | 76.6 | 0.0 | 0. | 0.00 |
| 75 | 27.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.90 | 18.15 | 0.00 | 18.15 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 76 | 27.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.90 | 18.19 | 0.00 | 18.19 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 77 | 27.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.24 | 0.00 | 18.24 | 0.00 | 1.71 | 0.10 | 0.33 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 78 | 27.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.28 | 0.00 | 18.28 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.8 | 0.0 | 0. | 0.00 |
| 79 | 27.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.33 | 0.00 | 18.33 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.8 | 0.0 | 0. | 0.00 |
| 80 | 27.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.88 | 18.37 | 0.00 | 18.37 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 81 | 27.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.88 | 18.42 | 0.00 | 18.42 | 0.00 | 1.72 | 0.10 | 0.32 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 82 | 26.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.46 | 0.00 | 18.46 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 83 | 26.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.50 | 0.00 | 18.50 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 84 | 26.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.55 | 0.00 | 18.55 | 0.00 | 1.73 | 0.10 | 0.31 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 85 | 26.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.59 | 0.00 | 18.59 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 86 | 26.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.63 | 0.00 | 18.63 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.1 | 0.0 | 0. | 0.00 |
| 87 | 26.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.68 | 0.00 | 18.68 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.1 | 0.0 | 0. | 0.00 |
| 88 | 26.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.72 | 0.00 | 18.72 | 0.00 | 1.74 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 89 | 26.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.76 | 0.00 | 18.76 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 90 | 26.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.81 | 0.00 | 18.81 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 91 | 26.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 18.85 | 0.00 | 18.85 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |
| 92 | 25.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 18.89 | 0.00 | 18.89 | 0.00 | 1.75 | 0.10 | 0.29 | 2.15 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |
| 93 | 25.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 18.93 | 0.00 | 18.93 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 94 | 25.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 18.98 | 0.00 | 18.98 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 95 | 25.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 19.02 | 0.00 | 19.02 | 0.00 | 1.76 | 0.10 | 0.28 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 96 | 25.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.06 | 0.00 | 19.06 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.5 | 0.0 | 0. | 0.00 |
| 97 | 25.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.10 | 0.00 | 19.10 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.5 | 0.0 | 0. | 0.00 |
| 98 | 25.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.14 | 0.00 | 19.14 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 99 | 25.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.19 | 0.00 | 19.19 | 0.00 | 1.77 | 0.10 | 0.27 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 100 | 25.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.23 | 0.00 | 19.23 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 101 | 25.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.27 | 0.00 | 19.27 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 102 | 24.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.31 | 0.00 | 19.31 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 103 | 24.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.35 | 0.00 | 19.35 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 104 | 24.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.39 | 0.00 | 19.39 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 105 | 24.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.43 | 0.00 | 19.43 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 106 | 24.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.47 | 0.00 | 19.47 | 0.00 | 1.79 | 0.10 | 0.25 | 2.15 | 0.00 | 77.9 | 0.0 | 0. | 0.00 |
| 107 | 24.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.51 | 0.00 | 19.51 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.9 | 0.0 | 0. | 0.00 |
| 108 | 24.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.55 | 0.00 | 19.55 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 109 | 24.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.59 | 0.00 | 19.59 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 110 | 24.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.63 | 0.00 | 19.63 | 0.00 | 1.80 | 0.10 | 0.24 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 111 | 24.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.67 | 0.00 | 19.67 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 112 | 23.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.71 | 0.00 | 19.71 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 113 | 23.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.75 | 0.00 | 19.75 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 114 | 23.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.79 | 0.00 | 19.79 | 0.00 | 1.81 | 0.10 | 0.23 | 2.15 | 0.00 | 78.2 | 0.0 | 0. | 0.00 |
| 115 | 23.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.83 | 0.00 | 19.83 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.2 | 0.0 | 0. | 0.00 |
| 116 | 23.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.87 | 0.00 | 19.87 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 117 | 23.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.91 | 0.00 | 19.91 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 118 | 23.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.95 | 0.00 | 19.95 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 23.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.98 | 0.00 | 19.98 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.4 | 0.0 | 0. | 0.00 |
| 120 | 23.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.02 | 0.00 | 20.02 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.4 | 0.0 | 0. | 0.00 |
| 121 | 23.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.06 | 0.00 | 20.06 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 122 | 22.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.10 | 0.00 | 20.10 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 123 | 22.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.14 | 0.00 | 20.14 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 124 | 22.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.17 | 0.00 | 20.17 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.6 | 0.0 | 0. | 0.00 |
| 125 | 22.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.21 | 0.00 | 20.21 | 0.00 | 1.84 | 0.10 | 0.20 | 2.15 | 0.00 | 78.6 | 0.0 | 0. | 0.00 |
| 126 | 22.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.25 | 0.00 | 20.25 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 127 | 22.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.29 | 0.00 | 20.29 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 128 | 22.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.32 | 0.00 | 20.32 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 129 | 22.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.36 | 0.00 | 20.36 | 0.00 | 1.85 | 0.10 | 0.19 | 2.15 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 130 | 22.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.40 | 0.00 | 20.40 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 131 | 22.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.44 | 0.00 | 20.44 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 132 | 21.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.47 | 0.00 | 20.47 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 133 | 21.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.51 | 0.00 | 20.51 | 0.00 | 1.86 | 0.11 | 0.18 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 134 | 21.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.55 | 0.00 | 20.55 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.0 | 0.0 | 0. | 0.00 |
| 135 | 21.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.58 | 0.00 | 20.58 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.0 | 0.0 | 0. | 0.00 |
| 136 | 21.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.62 | 0.00 | 20.62 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 137 | 21.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.65 | 0.00 | 20.65 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 138 | 21.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.69 | 0.00 | 20.69 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 139 | 21.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.73 | 0.00 | 20.73 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 140 | 21.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.76 | 0.00 | 20.76 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 141 | 21.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.80 | 0.00 | 20.80 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 142 | 20.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.83 | 0.00 | 20.83 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 143 | 20.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.87 | 0.00 | 20.87 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 144 | 20.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.90 | 0.00 | 20.90 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 145 | 20.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.94 | 0.00 | 20.94 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 146 | 20.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.97 | 0.00 | 20.97 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 147 | 20.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 21.01 | 0.00 | 21.01 | 0.00 | 1.90 | 0.11 | 0.15 | 2.15 | 0.00 | 79.5 | 0.0 | 0. | 0.00 |
| 148 | 20.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.04 | 0.00 | 21.04 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.5 | 0.0 | 0. | 0.00 |
| 149 | 20.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.08 | 0.00 | 21.08 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 150 | 20.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.11 | 0.00 | 21.11 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 151 | 20.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.14 | 0.00 | 21.14 | 0.00 | 1.91 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 152 | 19.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.18 | 0.00 | 21.18 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.7 | 0.0 | 0. | 0.00 |
| 153 | 19.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.21 | 0.00 | 21.21 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.7 | 0.0 | 0. | 0.00 |
| 154 | 19.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.25 | 0.00 | 21.25 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 155 | 19.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.13 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 156 | 19.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 157 | 19.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.35 | 0.00 | 21.35 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.9 | 0.0 | 0. | 0.00 |
| 158 | 19.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.38 | 0.00 | 21.38 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.9 | 0.0 | 0. | 0.00 |
| 159 | 19.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.41 | 0.00 | 21.41 | 0.00 | 1.93 | 0.11 | 0.12 | 2.15 | 0.00 | 80.0 | 0.0 | 0. | 0.00 |
| 160 | 19.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 80.0 | 0.0 | 0. | 0.00 |
| 161 | 19.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 162 | 18.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 21.38 | 0.00 | 21.38 | 0.00 | 1.93 | 0.11 | 0.11 | 2.14 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 163 | 18.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 21.35 | 0.00 | 21.35 | 0.00 | 1.93 | 0.11 | 0.10 | 2.14 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 164 | 18.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.10 | 2.13 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 165 | 18.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 166 | 18.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 21.25 | 0.00 | 21.25 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 167 | 18.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 21.21 | 0.00 | 21.21 | 0.00 | 1.92 | 0.11 | 0.09 | 2.11 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |
| 168 | 18.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 21.18 | 0.00 | 21.18 | 0.00 | 1.92 | 0.11 | 0.08 | 2.11 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 169 | 18.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.09 | 21.15 | 0.00 | 21.15 | 0.00 | 1.92 | 0.11 | 0.08 | 2.10 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 170 | 18.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.14 | 21.11 | 0.00 | 21.11 | 0.00 | 1.92 | 0.11 | 0.07 | 2.10 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 171 | 18.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.19 | 21.08 | 0.00 | 21.08 | 0.00 | 1.92 | 0.11 | 0.07 | 2.09 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 172 | 17.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.23 | 21.05 | 0.00 | 21.05 | 0.00 | 1.91 | 0.11 | 0.07 | 2.09 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 173 | 17.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.28 | 21.01 | 0.00 | 21.01 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 174 | 17.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.32 | 20.98 | 0.00 | 20.98 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 74.6 | 0.0 | 0. | 0.00 |
| 175 | 17.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.37 | 20.95 | 0.00 | 20.95 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 74.2 | 0.0 | 0. | 0.00 |
| 176 | 17.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.41 | 20.91 | 0.00 | 20.91 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 73.8 | 0.0 | 0. | 0.00 |
| 177 | 17.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.45 | 20.88 | 0.00 | 20.88 | 0.00 | 1.91 | 0.11 | 0.05 | 2.06 | 0.00 | 73.5 | 0.0 | 0. | 0.00 |
| 178 | 17.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.49 | 20.85 | 0.00 | 20.85 | 0.00 | 1.91 | 0.11 | 0.04 | 2.06 | 0.00 | 73.1 | 0.0 | 0. | 0.00 |
| 179 | 17.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.53 | 20.82 | 0.00 | 20.82 | 0.00 | 1.91 | 0.11 | 0.04 | 2.05 | 0.00 | 72.7 | 0.0 | 0. | 0.00 |
| 180 | 17.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.57 | 20.78 | 0.00 | 20.78 | 0.00 | 1.91 | 0.11 | 0.03 | 2.05 | 0.00 | 72.3 | 0.0 | 0. | 0.00 |
| 181 | 17.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.61 | 20.75 | 0.00 | 20.75 | 0.00 | 1.90 | 0.11 | 0.03 | 2.05 | 0.00 | 71.9 | 0.0 | 0. | 0.00 |
| 182 | 16.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.65 | 20.72 | 0.00 | 20.72 | 0.00 | 1.90 | 0.11 | 0.03 | 2.04 | 0.00 | 71.5 | 0.0 | 0. | 0.00 |
| 183 | 16.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.69 | 20.68 | 0.00 | 20.68 | 0.00 | 1.90 | 0.11 | 0.02 | 2.04 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 184 | 16.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.72 | 20.65 | 0.00 | 20.65 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.8 | 0.0 | 0. | 0.00 |
| 185 | 16.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.76 | 20.62 | 0.00 | 20.62 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.4 | 0.0 | 0. | 0.00 |
| 186 | 16.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.80 | 20.59 | 0.00 | 20.59 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 70.0 | 0.0 | 0. | 0.00 |
| 187 | 16.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.83 | 20.55 | 0.00 | 20.55 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 69.6 | 0.0 | 0. | 0.00 |
| 188 | 16.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.86 | 20.52 | 0.00 | 20.52 | 0.00 | 1.90 | 0.11 | 0.01 | 2.01 | 0.00 | 69.2 | 0.0 | 0. | 0.00 |
| 189 | 16.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.90 | 20.49 | 0.00 | 20.49 | 0.00 | 1.90 | 0.11 | 0.00 | 2.01 | 0.00 | 68.8 | 0.0 | 0. | 0.00 |
| 190 | 16.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.93 | 20.46 | 0.00 | 20.46 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.5 | 0.0 | 0. | 0.00 |
| 191 | 16.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.96 | 20.42 | 0.00 | 20.42 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.1 | 0.0 | 0. | 0.00 |
| 192 | 15.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.99 | 20.39 | 0.00 | 20.39 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.7 | 0.0 | 0. | 0.00 |
| 193 | 15.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.02 | 20.36 | 0.00 | 20.36 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.3 | 0.0 | 0. | 0.00 |
| 194 | 15.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.05 | 20.33 | 0.00 | 20.33 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.9 | 0.0 | 0. | 0.00 |
| 195 | 15.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.08 | 20.30 | 0.00 | 20.30 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.5 | 0.0 | 0. | 0.00 |
| 196 | 15.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.11 | 20.26 | 0.00 | 20.26 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.2 | 0.0 | 0. | 0.00 |
| 197 | 15.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.14 | 20.23 | 0.00 | 20.23 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.8 | 0.0 | 0. | 0.00 |
| 198 | 15.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.16 | 20.20 | 0.00 | 20.20 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.4 | 0.0 | 0. | 0.00 |
| 199 | 15.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.19 | 20.17 | 0.00 | 20.17 | 0.00 | 1.88 | 0.11 | 0.00 | 2.00 | 0.00 | 65.0 | 0.0 | 0. | 0.00 |
| 200 | 15.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.21 | 20.14 | 0.00 | 20.14 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.6 | 0.0 | 0. | 0.00 |
| 201 | 15.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.24 | 20.10 | 0.00 | 20.10 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.2 | 0.0 | 0. | 0.00 |
| 202 | 14.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.26 | 20.07 | 0.00 | 20.07 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.8 | 0.0 | 0. | 0.00 |
| 203 | 14.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.29 | 20.04 | 0.00 | 20.04 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.5 | 0.0 | 0. | 0.00 |
| 204 | 14.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.31 | 20.01 | 0.00 | 20.01 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.1 | 0.0 | 0. | 0.00 |
| 205 | 14.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.33 | 19.98 | 0.00 | 19.98 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.7 | 0.0 | 0. | 0.00 |
| 206 | 14.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 19.95 | 0.00 | 19.95 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.3 | 0.0 | 0. | 0.00 |
| 207 | 14.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 19.91 | 0.00 | 19.91 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.9 | 0.0 | 0. | 0.00 |
| 208 | 14.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.39 | 19.88 | 0.00 | 19.88 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.5 | 0.0 | 0. | 0.00 |
| 209 | 14.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.41 | 19.85 | 0.00 | 19.85 | 0.00 | 1.87 | 0.11 | 0.00 | 1.99 | 0.00 | 61.2 | 0.0 | 0. | 0.00 |
| 210 | 14.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.43 | 19.82 | 0.00 | 19.82 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.8 | 0.0 | 0. | 0.00 |
| 211 | 14.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.45 | 19.78 | 0.00 | 19.78 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.4 | 0.0 | 0. | 0.00 |
| 212 | 13.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.0 | 0.0 | 0. | 0.00 |
| 213 | 13.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.22 | 17.83 | 0.00 | 17.83 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.5 | 0.0 | 0. | 0.00 |
| 214 | 13.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.25 | 17.79 | 0.00 | 17.79 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.0 | 0.0 | 0. | 0.00 |
| 215 | 13.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.29 | 17.75 | 0.00 | 17.75 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 58.5 | 0.0 | 0. | 0.00 |
| 216 | 13.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.32 | 17.71 | 0.00 | 17.71 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 58.0 | 0.0 | 0. | 0.00 |
| 217 | 13.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 17.67 | 0.00 | 17.67 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.5 | 0.0 | 0. | 0.00 |
| 218 | 13.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 17.63 | 0.00 | 17.63 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 219 | 13.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.40 | 17.59 | 0.00 | 17.59 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.5 | 0.0 | 0. | 0.00 |
| 220 | 13.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.43 | 17.56 | 0.00 | 17.56 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.0 | 0.0 | 0. | 0.00 |
| 221 | 13.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.45 | 17.52 | 0.00 | 17.52 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.5 | 0.0 | 0. | 0.00 |
| 222 | 12.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.48 | 17.48 | 0.00 | 17.48 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.0 | 0.0 | 0. | 0.00 |
| 223 | 12.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.50 | 17.44 | 0.00 | 17.44 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 54.5 | 0.0 | 0. | 0.00 |
| 224 | 12.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.52 | 17.40 | 0.00 | 17.40 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 54.0 | 0.0 | 0. | 0.00 |
| 225 | 12.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.54 | 17.36 | 0.00 | 17.36 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 53.5 | 0.0 | 0. | 0.00 |
| 226 | 12.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.56 | 17.32 | 0.00 | 17.32 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 227 | 12.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.58 | 17.29 | 0.00 | 17.29 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.5 | 0.0 | 0. | 0.00 |
| 228 | 12.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.59 | 17.25 | 0.00 | 17.25 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.0 | 0.0 | 0. | 0.00 |
| 229 | 12.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.61 | 17.21 | 0.00 | 17.21 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.5 | 0.0 | 0. | 0.00 |
| 230 | 12.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.63 | 17.17 | 0.00 | 17.17 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.0 | 0.0 | 0. | 0.00 |
| 231 | 12.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.64 | 17.13 | 0.00 | 17.13 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.5 | 0.0 | 0. | 0.00 |
| 232 | 11.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.65 | 17.09 | 0.00 | 17.09 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 233 | 11.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.67 | 17.06 | 0.00 | 17.06 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.5 | 0.0 | 0. | 0.00 |
| 234 | 11.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.68 | 17.02 | 0.00 | 17.02 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.0 | 0.0 | 0. | 0.00 |
| 235 | 11.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.69 | 16.98 | 0.00 | 16.98 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.5 | 0.0 | 0. | 0.00 |
| 236 | 11.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.94 | 0.00 | 16.94 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.0 | 0.0 | 0. | 0.00 |
| 237 | 11.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.91 | 0.00 | 16.91 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 47.5 | 0.0 | 0. | 0.00 |
| 238 | 11.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.87 | 0.00 | 16.87 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 239 | 11.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.83 | 0.00 | 16.83 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 46.5 | 0.0 | 0. | 0.00 |
| 240 | 11.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.79 | 0.00 | 16.79 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 46.0 | 0.0 | 0. | 0.00 |
| 241 | 11.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.76 | 0.00 | 16.76 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.5 | 0.0 | 0. | 0.00 |
| 242 | 10.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.72 | 0.00 | 16.72 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.0 | 0.0 | 0. | 0.00 |
| 243 | 10.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.68 | 0.00 | 16.68 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.5 | 0.0 | 0. | 0.00 |
| 244 | 10.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.65 | 0.00 | 16.65 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.0 | 0.0 | 0. | 0.00 |
| 245 | 10.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.74 | 16.61 | 0.00 | 16.61 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 43.5 | 0.0 | 0. | 0.00 |
| 246 | 10.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.74 | 16.57 | 0.00 | 16.57 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 43.0 | 0.0 | 0. | 0.00 |
| 247 | 10.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.54 | 0.00 | 16.54 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.5 | 0.0 | 0. | 0.00 |
| 248 | 10.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.50 | 0.00 | 16.50 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |
| 249 | 10.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.46 | 0.00 | 16.46 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.5 | 0.0 | 0. | 0.00 |
| 250 | 10.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.43 | 0.00 | 16.43 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.0 | 0.0 | 0. | 0.00 |
| 251 | 10.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.39 | 0.00 | 16.39 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.5 | 0.0 | 0. | 0.00 |
| 252 | 9.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 253 | 9.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 1.93 | 0.00 | 39.7 | 0.0 | 0. | 0.00 |
| 254 | 9.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.28 | 0.00 | 16.28 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.5 | 0.0 | 0. | 0.00 |
| 255 | 9.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.22 | 0.00 | 16.22 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.2 | 0.0 | 0. | 0.00 |
| 256 | 9.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.69 | 16.16 | 0.00 | 16.16 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 257 | 9.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.67 | 16.10 | 0.00 | 16.10 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.7 | 0.0 | 0. | 0.00 |
| 258 | 9.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.66 | 16.05 | 0.00 | 16.05 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.5 | 0.0 | 0. | 0.00 |
| 259 | 9.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.65 | 15.99 | 0.00 | 15.99 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.2 | 0.0 | 0. | 0.00 |
| 260 | 9.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.64 | 15.93 | 0.00 | 15.93 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 261 | 9.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.63 | 15.88 | 0.00 | 15.88 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 262 | 8.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.62 | 15.82 | 0.00 | 15.82 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |
| 263 | 8.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.60 | 15.77 | 0.00 | 15.77 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 264 | 8.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.59 | 15.71 | 0.00 | 15.71 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 265 | 8.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.58 | 15.65 | 0.00 | 15.65 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.7 | 0.0 | 0. | 0.00 |
| 266 | 8.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.56 | 15.60 | 0.00 | 15.60 | 0.00 | 1.79 | 0.11 | 0.00 | 1.91 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 267 | 8.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.55 | 15.54 | 0.00 | 15.54 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 268 | 8.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.53 | 15.49 | 0.00 | 15.49 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 269 | 8.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.52 | 15.44 | 0.00 | 15.44 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.7 | 0.0 | 0. 0.00 |
| 270 | 8.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.50 | 15.38 | 0.00 | 15.38 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.4 | 0.0 | 0. 0.00 |
| 271 | 8.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.49 | 15.33 | 0.00 | 15.33 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 35.2 | 0.0 | 0. 0.00 |
| 272 | 7.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.47 | 15.27 | 0.00 | 15.27 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.9 | 0.0 | 0. 0.00 |
| 273 | 7.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.46 | 15.22 | 0.00 | 15.22 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.7 | 0.0 | 0. 0.00 |
| 274 | 7.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.44 | 15.17 | 0.00 | 15.17 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.4 | 0.0 | 0. 0.00 |
| 275 | 7.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.42 | 15.11 | 0.00 | 15.11 | 0.00 | 1.77 | 0.11 | 0.00 | 1.89 | 0.00 | 34.2 | 0.0 | 0. 0.00 |
| 276 | 7.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.40 | 15.06 | 0.00 | 15.06 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.9 | 0.0 | 0. 0.00 |
| 277 | 7.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.39 | 15.01 | 0.00 | 15.01 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.7 | 0.0 | 0. 0.00 |
| 278 | 7.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 14.95 | 0.00 | 14.95 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.4 | 0.0 | 0. 0.00 |
| 279 | 7.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 14.90 | 0.00 | 14.90 | 0.00 | 1.76 | 0.11 | 0.00 | 1.88 | 0.00 | 33.1 | 0.0 | 0. 0.00 |
| 280 | 7.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.33 | 14.85 | 0.00 | 14.85 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.9 | 0.0 | 0. 0.00 |
| 281 | 7.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.31 | 14.80 | 0.00 | 14.80 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.6 | 0.0 | 0. 0.00 |
| 282 | 6.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.30 | 14.74 | 0.00 | 14.74 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.4 | 0.0 | 0. 0.00 |
| 283 | 6.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.28 | 14.69 | 0.00 | 14.69 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.1 | 0.0 | 0. 0.00 |
| 284 | 6.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.26 | 14.64 | 0.00 | 14.64 | 0.00 | 1.75 | 0.11 | 0.00 | 1.87 | 0.00 | 31.9 | 0.0 | 0. 0.00 |
| 285 | 6.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.24 | 14.59 | 0.00 | 14.59 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.6 | 0.0 | 0. 0.00 |
| 286 | 6.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.22 | 14.54 | 0.00 | 14.54 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.4 | 0.0 | 0. 0.00 |
| 287 | 6.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.20 | 14.49 | 0.00 | 14.49 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.1 | 0.0 | 0. 0.00 |
| 288 | 6.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.18 | 14.44 | 0.00 | 14.44 | 0.00 | 1.74 | 0.11 | 0.00 | 1.86 | 0.00 | 30.9 | 0.0 | 0. 0.00 |
| 289 | 6.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.16 | 14.39 | 0.00 | 14.39 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.6 | 0.0 | 0. 0.00 |
| 290 | 6.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.14 | 14.34 | 0.00 | 14.34 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.3 | 0.0 | 0. 0.00 |
| 291 | 6.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.11 | 14.29 | 0.00 | 14.29 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.1 | 0.0 | 0. 0.00 |
| 292 | 5.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.09 | 14.24 | 0.00 | 14.24 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 29.8 | 0.0 | 0. 0.00 |
| 293 | 5.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.07 | 14.19 | 0.00 | 14.19 | 0.00 | 1.73 | 0.11 | 0.00 | 1.85 | 0.00 | 29.6 | 0.0 | 0. 0.00 |
| 294 | 5.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.05 | 14.14 | 0.00 | 14.14 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.3 | 0.0 | 0. 0.00 |
| 295 | 5.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.03 | 14.09 | 0.00 | 14.09 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.1 | 0.0 | 0. 0.00 |
| 296 | 5.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.01 | 14.04 | 0.00 | 14.04 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 28.8 | 0.0 | 0. 0.00 |
| 297 | 5.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.98 | 13.99 | 0.00 | 13.99 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.6 | 0.0 | 0. 0.00 |
| 298 | 5.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.96 | 13.94 | 0.00 | 13.94 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.3 | 0.0 | 0. 0.00 |
| 299 | 5.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.94 | 13.89 | 0.00 | 13.89 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 28.1 | 0.0 | 0. 0.00 |
| 300 | 5.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.92 | 13.85 | 0.00 | 13.85 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.8 | 0.0 | 0. 0.00 |
| 301 | 5.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.89 | 13.80 | 0.00 | 13.80 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.6 | 0.0 | 0. 0.00 |
| 302 | 4.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.87 | 13.75 | 0.00 | 13.75 | 0.00 | 1.71 | 0.11 | 0.00 | 1.83 | 0.00 | 27.3 | 0.0 | 0. 0.00 |
| 303 | 4.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.85 | 13.70 | 0.00 | 13.70 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 27.0 | 0.0 | 0. 0.00 |
| 304 | 4.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.82 | 13.65 | 0.00 | 13.65 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.8 | 0.0 | 0. 0.00 |
| 305 | 4.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.80 | 13.61 | 0.00 | 13.61 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.5 | 0.0 | 0. 0.00 |
| 306 | 4.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.77 | 13.56 | 0.00 | 13.56 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.3 | 0.0 | 0. 0.00 |
| 307 | 4.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.75 | 13.51 | 0.00 | 13.51 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.0 | 0.0 | 0. 0.00 |
| 308 | 4.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.72 | 13.47 | 0.00 | 13.47 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.8 | 0.0 | 0. 0.00 |
| 309 | 4.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.70 | 13.42 | 0.00 | 13.42 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.5 | 0.0 | 0. 0.00 |
| 310 | 4.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.67 | 13.37 | 0.00 | 13.37 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.3 | 0.0 | 0. 0.00 |
| 311 | 4.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.65 | 13.33 | 0.00 | 13.33 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 25.0 | 0.0 | 0. 0.00 |
| 312 | 3.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.62 | 13.28 | 0.00 | 13.28 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 24.8 | 0.0 | 0. 0.00 |
| 313 | 3.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.60 | 13.23 | 0.00 | 13.23 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.5 | 0.0 | 0. 0.00 |
| 314 | 3.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.57 | 13.19 | 0.00 | 13.19 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.3 | 0.0 | 0. 0.00 |
| 315 | 3.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.0 | 0.0 | 0. 0.00 |
| 316 | 3.500 | 31.82 | 0.0 | 0.0 | 0.0 | 6.51 | 13.08 | 0.00 | 13.08 | 0.00 | 1.68 | 0.11 | 0.00 | 1.80 | 0.00 | 24.0 | 0.0 | 0. 0.00 |
| 317 | 3.400 | 31.83 | 0.0 | 0.0 | 0.0 | 6.48 | 13.02 | 0.00 | 13.02 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. 0.00 |
| 318 | 3.300 | 31.85 | 0.0 | 0.0 | 0.0 | 6.45 | 12.96 | 0.00 | 12.96 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 319 | 3.200 | 31.87 | 0.0 | 0.0 | 0.0 | 6.42 | 12.90 | 0.00 | 12.90 | 0.00 | 1.67 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 320 | 3.100 | 31.88 | 0.0 | 0.0 | 0.0 | 6.39 | 12.84 | 0.00 | 12.84 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 321 | 3.000 | 31.90 | 0.0 | 0.0 | 0.0 | 6.36 | 12.79 | 0.00 | 12.79 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 322 | 2.900 | 31.92 | 0.0 | 0.0 | 0.0 | 6.34 | 12.73 | 0.00 | 12.73 | 0.00 | 1.66 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 323 | 2.800 | 31.93 | 0.0 | 0.0 | 0.0 | 6.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 324 | 2.700 | 31.95 | 0.0 | 0.0 | 0.0 | 6.28 | 12.61 | 0.00 | 12.61 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 325 | 2.600 | 31.97 | 0.0 | 0.0 | 0.0 | 6.26 | 12.56 | 0.00 | 12.56 | 0.00 | 1.65 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 326 | 2.500 | 31.98 | 0.0 | 0.0 | 0.0 | 6.23 | 12.50 | 0.00 | 12.50 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 327 | 2.400 | 32.00 | 0.0 | 0.0 | 0.0 | 6.21 | 12.44 | 0.00 | 12.44 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 328 | 2.300 | 32.02 | 0.0 | 0.0 | 0.0 | 6.19 | 12.39 | 0.00 | 12.39 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 329 | 2.200 | 32.03 | 0.0 | 0.0 | 0.0 | 6.16 | 12.33 | 0.00 | 12.33 | 0.00 | 1.64 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 330 | 2.100 | 32.05 | 0.0 | 0.0 | 0.0 | 6.14 | 12.28 | 0.00 | 12.28 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 331 | 2.000 | 32.07 | 0.0 | 0.0 | 0.0 | 6.12 | 12.22 | 0.00 | 12.22 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 332 | 1.900 | 32.08 | 0.0 | 0.0 | 0.0 | 6.10 | 12.17 | 0.00 | 12.17 | 0.00 | 1.63 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 333 | 1.800 | 32.10 | 0.0 | 0.0 | 0.0 | 6.08 | 12.11 | 0.00 | 12.11 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 334 | 1.700 | 32.12 | 0.0 | 0.0 | 0.0 | 6.06 | 12.06 | 0.00 | 12.06 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 335 | 1.600 | 32.13 | 0.0 | 0.0 | 0.0 | 6.04 | 12.01 | 0.00 | 12.01 | 0.00 | 1.62 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 336 | 1.500 | 32.15 | 0.0 | 0.0 | 0.0 | 6.02 | 11.95 | 0.00 | 11.95 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 337 | 1.400 | 32.17 | 0.0 | 0.0 | 0.0 | 6.01 | 11.90 | 0.00 | 11.90 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 338 | 1.300 | 32.18 | 0.0 | 0.0 | 0.0 | 5.99 | 11.85 | 0.00 | 11.85 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 339 | 1.200 | 32.20 | 0.0 | 0.0 | 0.0 | 5.97 | 11.79 | 0.00 | 11.79 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 340 | 1.100 | 32.22 | 0.0 | 0.0 | 0.0 | 5.96 | 11.74 | 0.00 | 11.74 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 341 | 1.000 | 32.23 | 0.0 | 0.0 | 0.0 | 5.94 | 11.69 | 0.00 | 11.69 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 342 | 0.900 | 32.25 | 0.0 | 0.0 | 0.0 | 5.93 | 11.63 | 0.00 | 11.63 | 0.00 | 1.60 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 343 | 0.800 | 32.27 | 0.0 | 0.0 | 0.0 | 5.91 | 11.58 | 0.00 | 11.58 | 0.00 | 1.60 | 0.11 | 0.00 | 1.71 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 344 | 0.700 | 32.28 | 0.0 | 0.0 | 0.0 | 5.90 | 11.49 | 0.00 | 11.49 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 345 | 0.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 526 | 0.500 | 32.28 | 0.0 | 0.0 | 0.0 | 6.15 | 9.10 | 0.00 | 9.10 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 527 | 0.400 | 32.27 | 0.0 | 0.0 | 0.0 | 6.15 | 9.09 | 0.00 | 9.09 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 528 | 0.300 | 32.25 | 0.0 | 0.0 | 0.0 | 6.14 | 9.08 | 0.00 | 9.08 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 529 | 0.200 | 32.23 | 0.0 | 0.0 | 0.0 | 6.14 | 9.07 | 0.00 | 9.07 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 530 | 0.100 | 32.22 | 0.0 | 0.0 | 0.0 | 6.14 | 9.02 | 0.00 | 9.02 | 0.00 | 2.10 | 0.13 | 0.00 | 2.23 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |
| 531 | 0.000 | 32.20 | 0.0 | 0.0 | 0.0 | 6.13 | 8.31 | 0.00 | 8.31 | 0.00 | 1.89 | 0.12 | 0.00 | 2.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 | |

SPECIAL REPORT: Station 935

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A * | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 17.900 | 31.48 | 0.0 | 0.0 | 0.0 | 4.91 | 2.95 | 0.00 | 2.95 | 0.00 | 0.86 | 0.10 | 0.00 | 0.96 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 347 | 17.800 | 31.45 | 0.0 | 0.0 | 0.0 | 4.90 | 2.54 | 0.00 | 2.54 | 0.00 | 0.82 | 0.10 | 0.00 | 0.92 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 348 | 17.700 | 31.43 | 0.0 | 0.0 | 0.0 | 4.94 | 2.19 | 0.00 | 2.19 | 0.00 | 0.78 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 349 | 17.600 | 31.41 | 0.0 | 0.0 | 0.0 | 4.98 | 1.89 | 0.00 | 1.89 | 0.00 | 0.75 | 0.09 | 0.00 | 0.84 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 350 | 17.500 | 31.39 | 0.0 | 0.0 | 0.0 | 5.04 | 1.63 | 0.00 | 1.63 | 0.00 | 0.71 | 0.09 | 0.00 | 0.80 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 351 | 17.400 | 31.36 | 0.0 | 0.0 | 0.0 | 5.09 | 1.40 | 0.00 | 1.40 | 0.00 | 0.68 | 0.08 | 0.00 | 0.76 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 352 | 17.300 | 31.34 | 0.0 | 0.0 | 0.0 | 5.14 | 1.21 | 0.00 | 1.21 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 353 | 17.200 | 31.32 | 0.0 | 0.0 | 0.0 | 5.18 | 1.04 | 0.00 | 1.04 | 0.00 | 0.62 | 0.08 | 0.00 | 0.70 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 354 | 17.100 | 31.30 | 0.0 | 0.0 | 0.0 | 5.22 | 0.90 | 0.00 | 0.90 | 0.00 | 0.59 | 0.07 | 0.00 | 0.67 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 355 | 17.000 | 31.27 | 0.0 | 0.0 | 0.0 | 5.26 | 0.78 | 0.00 | 0.78 | 0.00 | 0.57 | 0.07 | 0.00 | 0.64 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 356 | 16.900 | 31.25 | 0.0 | 0.0 | 0.0 | 5.29 | 0.67 | 0.00 | 0.67 | 0.00 | 0.54 | 0.07 | 0.00 | 0.61 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 357 | 16.800 | 31.23 | 0.0 | 0.0 | 0.0 | 5.32 | 0.58 | 0.00 | 0.58 | 0.00 | 0.52 | 0.06 | 0.00 | 0.58 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 358 | 16.700 | 31.20 | 0.0 | 0.0 | 0.0 | 5.35 | 0.50 | 0.00 | 0.50 | 0.00 | 0.49 | 0.06 | 0.00 | 0.55 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 359 | 16.600 | 31.18 | 0.0 | 0.0 | 0.0 | 5.38 | 0.43 | 0.00 | 0.43 | 0.00 | 0.47 | 0.06 | 0.00 | 0.53 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 360 | 16.500 | 31.16 | 0.0 | 0.0 | 0.0 | 5.40 | 0.37 | 0.00 | 0.37 | 0.00 | 0.45 | 0.06 | 0.00 | 0.50 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 361 | 16.400 | 31.14 | 0.0 | 0.0 | 0.0 | 5.42 | 0.32 | 0.00 | 0.32 | 0.00 | 0.43 | 0.05 | 0.00 | 0.48 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 362 | 16.300 | 31.11 | 0.0 | 0.0 | 0.0 | 5.44 | 0.28 | 0.00 | 0.28 | 0.00 | 0.41 | 0.05 | 0.00 | 0.46 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 363 | 16.200 | 31.09 | 0.0 | 0.0 | 0.0 | 5.46 | 0.24 | 0.00 | 0.24 | 0.00 | 0.39 | 0.05 | 0.00 | 0.44 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 364 | 16.100 | 31.07 | 0.0 | 0.0 | 0.0 | 5.48 | 0.21 | 0.00 | 0.21 | 0.00 | 0.37 | 0.05 | 0.00 | 0.42 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 365 | 16.000 | 31.05 | 0.0 | 0.0 | 0.0 | 5.49 | 0.18 | 0.00 | 0.18 | 0.00 | 0.36 | 0.04 | 0.00 | 0.40 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 366 | 15.900 | 31.02 | 0.0 | 0.0 | 0.0 | 5.51 | 0.15 | 0.00 | 0.15 | 0.00 | 0.34 | 0.04 | 0.00 | 0.38 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 367 | 15.800 | 31.00 | 0.0 | 0.0 | 0.0 | 5.52 | 0.13 | 0.00 | 0.13 | 0.00 | 0.32 | 0.04 | 0.00 | 0.37 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 368 | 15.700 | 31.00 | 0.0 | 0.0 | 0.0 | 7.03 | 2.80 | 0.00 | 2.80 | 0.00 | 0.74 | 0.08 | 0.00 | 0.82 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 369 | 15.600 | 31.00 | 0.0 | 0.0 | 0.0 | 7.03 | 2.93 | 0.00 | 2.93 | 0.00 | 0.77 | 0.08 | 0.00 | 0.86 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 370 | 15.500 | 31.00 | 0.0 | 0.0 | 0.0 | 7.03 | 2.96 | 0.00 | 2.96 | 0.00 | 0.78 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 371 | 15.400 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.97 | 0.00 | 2.97 | 0.00 | 0.79 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 372 | 15.300 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 373 | 15.200 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 374 | 15.100 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 375 | 15.000 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 376 | 14.900 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 377 | 14.800 | 31.04 | 0.0 | 0.0 | 0.0 | 6.26 | 3.60 | 0.00 | 3.60 | 0.00 | 1.06 | 0.09 | 0.00 | 1.16 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |
| 378 | 14.700 | 31.08 | 0.0 | 0.0 | 0.0 | 5.93 | 4.05 | 0.00 | 4.05 | 0.00 | 1.27 | 0.10 | 0.00 | 1.37 | 0.00 | 12.3 | 0.0 | 0. | 0.00 |
| 379 | 14.600 | 31.12 | 0.0 | 0.0 | 0.0 | 5.79 | 4.38 | 0.00 | 4.38 | 0.00 | 1.43 | 0.11 | 0.00 | 1.54 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 380 | 14.500 | 31.15 | 0.0 | 0.0 | 0.0 | 5.76 | 4.63 | 0.00 | 4.63 | 0.00 | 1.56 | 0.12 | 0.00 | 1.68 | 0.00 | 14.6 | 0.0 | 0. | 0.00 |
| 381 | 14.400 | 31.19 | 0.0 | 0.0 | 0.0 | 5.77 | 4.82 | 0.00 | 4.82 | 0.00 | 1.67 | 0.13 | 0.00 | 1.80 | 0.00 | 15.8 | 0.0 | 0. | 0.00 |
| 382 | 14.300 | 31.23 | 0.0 | 0.0 | 0.0 | 5.82 | 4.98 | 0.00 | 4.98 | 0.00 | 1.75 | 0.13 | 0.00 | 1.89 | 0.00 | 16.9 | 0.0 | 0. | 0.00 |
| 383 | 14.200 | 31.27 | 0.0 | 0.0 | 0.0 | 5.88 | 5.10 | 0.00 | 5.10 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 18.1 | 0.0 | 0. | 0.00 |
| 384 | 14.100 | 31.31 | 0.0 | 0.0 | 0.0 | 5.96 | 5.19 | 0.00 | 5.19 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 385 | 14.000 | 31.35 | 0.0 | 0.0 | 0.0 | 6.04 | 5.27 | 0.00 | 5.27 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 386 | 13.900 | 31.38 | 0.0 | 0.0 | 0.0 | 6.13 | 5.34 | 0.00 | 5.34 | 0.00 | 1.98 | 0.15 | 0.00 | 2.13 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 387 | 13.800 | 31.42 | 0.0 | 0.0 | 0.0 | 6.22 | 5.39 | 0.00 | 5.39 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 22.7 | 0.0 | 0. | 0.00 |
| 388 | 13.700 | 31.46 | 0.0 | 0.0 | 0.0 | 6.31 | 5.43 | 0.00 | 5.43 | 0.00 | 2.05 | 0.16 | 0.00 | 2.21 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 389 | 13.600 | 31.50 | 0.0 | 0.0 | 0.0 | 6.41 | 5.47 | 0.00 | 5.47 | 0.00 | 2.07 | 0.16 | 0.00 | 2.24 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 390 | 13.500 | 31.50 | 0.0 | 0.0 | 0.0 | 6.29 | 5.50 | 0.00 | 5.50 | 0.00 | 2.06 | 0.16 | 0.00 | 2.22 | 0.00 | 26.4 | 0.0 | 0. | 0.00 |
| 391 | 13.400 | 31.50 | 0.0 | 0.0 | 0.0 | 6.18 | 5.53 | 0.00 | 5.53 | 0.00 | 2.04 | 0.16 | 0.00 | 2.20 | 0.00 | 27.9 | 0.0 | 0. | 0.00 |
| 392 | 13.300 | 31.50 | 0.0 | 0.0 | 0.0 | 6.09 | 5.56 | 0.00 | 5.56 | 0.00 | 2.03 | 0.16 | 0.00 | 2.19 | 0.00 | 29.3 | 0.0 | 0. | 0.00 |
| 393 | 13.200 | 31.50 | 0.0 | 0.0 | 0.0 | 6.01 | 5.59 | 0.00 | 5.59 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 30.8 | 0.0 | 0. | 0.00 |
| 394 | 13.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.95 | 5.61 | 0.00 | 5.61 | 0.00 | 2.00 | 0.16 | 0.00 | 2.15 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 395 | 13.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.90 | 5.64 | 0.00 | 5.64 | 0.00 | 1.98 | 0.15 | 0.00 | 2.14 | 0.00 | 33.7 | 0.0 | 0. | 0.00 |
| 396 | 12.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.86 | 5.67 | 0.00 | 5.67 | 0.00 | 1.97 | 0.15 | 0.00 | 2.12 | 0.00 | 35.1 | 0.0 | 0. | 0.00 |
| 397 | 12.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.84 | 5.69 | 0.00 | 5.69 | 0.00 | 1.95 | 0.15 | 0.00 | 2.10 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 398 | 12.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.83 | 5.72 | 0.00 | 5.72 | 0.00 | 1.94 | 0.15 | 0.00 | 2.09 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 399 | 12.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.82 | 5.74 | 0.00 | 5.74 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 400 | 12.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.81 | 5.75 | 0.00 | 5.75 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 401 | 12.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.81 | 5.76 | 0.00 | 5.76 | 0.00 | 1.92 | 0.15 | 0.00 | 2.07 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 402 | 12.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.80 | 5.78 | 0.00 | 5.78 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 403 | 12.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.80 | 5.79 | 0.00 | 5.79 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 404 | 12.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.79 | 5.81 | 0.00 | 5.81 | 0.00 | 1.90 | 0.15 | 0.00 | 2.05 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 405 | 12.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.78 | 5.82 | 0.00 | 5.82 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 406 | 11.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.78 | 5.83 | 0.00 | 5.83 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 407 | 11.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.77 | 5.85 | 0.00 | 5.85 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 408 | 11.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.77 | 5.86 | 0.00 | 5.86 | 0.00 | 1.88 | 0.15 | 0.00 | 2.02 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 409 | 11.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.76 | 5.87 | 0.00 | 5.87 | 0.00 | 1.87 | 0.15 | 0.00 | 2.02 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 410 | 11.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.76 | 5.89 | 0.00 | 5.89 | 0.00 | 1.86 | 0.14 | 0.00 | 2.01 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 411 | 11.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.75 | 5.90 | 0.00 | 5.90 | 0.00 | 1.86 | 0.14 | 0.00 | 2.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 412 | 11.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.75 | 5.91 | 0.00 | 5.91 | 0.00 | 1.85 | 0.14 | 0.00 | 2.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 413 | 11.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.92 | 0.00 | 5.92 | 0.00 | 1.85 | 0.14 | 0.00 | 1.99 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 414 | 11.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.94 | 0.00 | 5.94 | 0.00 | 1.84 | 0.14 | 0.00 | 1.99 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 415 | 11.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.95 | 0.00 | 5.95 | 0.00 | 1.84 | 0.14 | 0.00 | 1.98 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 416 | 10.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.73 | 5.96 | 0.00 | 5.96 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 417 | 10.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.73 | 5.97 | 0.00 | 5.97 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 418 | 10.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.70 | 6.00 | 0.00 | 6.00 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 419 | 10.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.67 | 6.03 | 0.00 | 6.03 | 0.00 | 1.81 | 0.14 | 0.00 | 1.95 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 420 | 10.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.65 | 6.05 | 0.00 | 6.05 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 421 | 10.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.62 | 6.08 | 0.00 | 6.08 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 422 | 10.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.60 | 6.10 | 0.00 | 6.10 | 0.00 | 1.79 | 0.14 | 0.00 | 1.93 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 423 | 10.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.58 | 6.13 | 0.00 | 6.13 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 424 | 10.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.55 | 6.15 | 0.00 | 6.15 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 425 | 10.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.53 | 6.17 | 0.00 | 6.17 | 0.00 | 1.77 | 0.14 | 0.00 | 1.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 426 | 9.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.51 | 6.20 | 0.00 | 6.20 | 0.00 | 1.76 | 0.14 | 0.00 | 1.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 427 | 9.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.49 | 6.22 | 0.00 | 6.22 | 0.00 | 1.76 | 0.14 | 0.00 | 1.89 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 428 | 9.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.47 | 6.25 | 0.00 | 6.25 | 0.00 | 1.75 | 0.14 | 0.00 | 1.89 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 429 | 9.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.45 | 6.27 | 0.00 | 6.27 | 0.00 | 1.75 | 0.14 | 0.00 | 1.88 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 430 | 9.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.42 | 6.36 | 0.00 | 6.36 | 0.00 | 1.78 | 0.13 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 431 | 9.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.26 | 8.06 | 0.00 | 8.06 | 0.00 | 2.82 | 0.09 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 432 | 9.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.29 | 8.05 | 0.00 | 8.05 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 433 | 9.200 | 31.57 | 0.0 | 0.0 | 0.0 | 5.31 | 8.03 | 0.00 | 8.03 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 434 | 9.100 | 31.63 | 0.0 | 0.0 | 0.0 | 5.34 | 8.02 | 0.00 | 8.02 | 0.00 | 2.82 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 435 | 9.000 | 31.70 | 0.0 | 0.0 | 0.0 | 5.38 | 8.01 | 0.00 | 8.01 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 436 | 8.900 | 31.77 | 0.0 | 0.0 | 0.0 | 5.41 | 7.99 | 0.00 | 7.99 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 437 | 8.800 | 31.83 | 0.0 | 0.0 | 0.0 | 5.44 | 7.98 | 0.00 | 7.98 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 438 | 8.700 | 31.90 | 0.0 | 0.0 | 0.0 | 5.47 | 7.96 | 0.00 | 7.96 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 439 | 8.600 | 31.97 | 0.0 | 0.0 | 0.0 | 5.50 | 7.95 | 0.00 | 7.95 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 440 | 8.500 | 32.03 | 0.0 | 0.0 | 0.0 | 5.53 | 7.93 | 0.00 | 7.93 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 441 | 8.400 | 32.10 | 0.0 | 0.0 | 0.0 | 5.56 | 7.92 | 0.00 | 7.92 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 442 | 8.300 | 32.17 | 0.0 | 0.0 | 0.0 | 5.59 | 7.90 | 0.00 | 7.90 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 443 | 8.200 | 32.23 | 0.0 | 0.0 | 0.0 | 5.62 | 7.89 | 0.00 | 7.89 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 444 | 8.100 | 32.30 | 0.0 | 0.0 | 0.0 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 445 | 8.000 | 32.30 | 0.0 | 0.0 | 0.0 | 5.67 | 7.86 | 0.00 | 7.86 | 0.00 | 2.79 | 0.11 | 0.00 | 2.90 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 446 | 7.900 | 32.30 | 0.0 | 0.0 | 0.0 | 5.70 | 7.85 | 0.00 | 7.85 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.8 | 0.0 | 0. | 0.00 |
| 447 | 7.800 | 32.30 | 0.0 | 0.0 | 0.0 | 5.72 | 7.84 | 0.00 | 7.84 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 448 | 7.700 | 32.30 | 0.0 | 0.0 | 0.0 | 5.75 | 7.82 | 0.00 | 7.82 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 449 | 7.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.77 | 7.81 | 0.00 | 7.81 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |
| 450 | 7.500 | 32.30 | 0.0 | 0.0 | 0.0 | 5.79 | 7.80 | 0.00 | 7.80 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.3 | 0.0 | 0. | 0.00 |
| 451 | 7.400 | 32.30 | 0.0 | 0.0 | 0.0 | 5.82 | 7.78 | 0.00 | 7.78 | 0.00 | 2.78 | 0.11 | 0.00 | 2.88 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 452 | 7.300 | 32.30 | 0.0 | 0.0 | 0.0 | 5.84 | 7.77 | 0.00 | 7.77 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 453 | 7.200 | 32.30 | 0.0 | 0.0 | 0.0 | 5.86 | 7.76 | 0.00 | 7.76 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 454 | 7.100 | 32.30 | 0.0 | 0.0 | 0.0 | 5.88 | 7.75 | 0.00 | 7.75 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 455 | 7.000 | 32.30 | 0.0 | 0.0 | 0.0 | 5.90 | 7.73 | 0.00 | 7.73 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.8 | 0.0 | 0. | 0.00 |
| 456 | 6.900 | 32.30 | 0.0 | 0.0 | 0.0 | 5.92 | 7.72 | 0.00 | 7.72 | 0.00 | 2.76 | 0.11 | 0.00 | 2.88 | 0.00 | 36.7 | 0.0 | 0. | 0.00 |
| 457 | 6.800 | 32.30 | 0.0 | 0.0 | 0.0 | 5.94 | 7.71 | 0.00 | 7.71 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 458 | 6.700 | 32.30 | 0.0 | 0.0 | 0.0 | 5.96 | 7.70 | 0.00 | 7.70 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 459 | 6.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.98 | 7.68 | 0.00 | 7.68 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 460 | 6.500 | 32.30 | 0.0 | 0.0 | 0.0 | 5.99 | 7.67 | 0.00 | 7.67 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 461 | 6.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.01 | 7.66 | 0.00 | 7.66 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 462 | 6.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.03 | 7.65 | 0.00 | 7.65 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 463 | 6.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.05 | 7.63 | 0.00 | 7.63 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |
| 464 | 6.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.06 | 7.62 | 0.00 | 7.62 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.8 | 0.0 | 0. | 0.00 |
| 465 | 6.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.08 | 7.61 | 0.00 | 7.61 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.7 | 0.0 | 0. | 0.00 |
| 466 | 5.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.09 | 7.60 | 0.00 | 7.60 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.6 | 0.0 | 0. | 0.00 |
| 467 | 5.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.11 | 7.58 | 0.00 | 7.58 | 0.00 | 2.74 | 0.12 | 0.00 | 2.85 | 0.00 | 35.5 | 0.0 | 0. | 0.00 |
| 468 | 5.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.12 | 7.57 | 0.00 | 7.57 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 469 | 5.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.14 | 7.56 | 0.00 | 7.56 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 470 | 5.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.15 | 7.55 | 0.00 | 7.55 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 471 | 5.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.16 | 7.54 | 0.00 | 7.54 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 472 | 5.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.18 | 7.52 | 0.00 | 7.52 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.9 | 0.0 | 0. | 0.00 |
| 473 | 5.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.19 | 7.51 | 0.00 | 7.51 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.8 | 0.0 | 0. | 0.00 |
| 474 | 5.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.20 | 7.50 | 0.00 | 7.50 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.7 | 0.0 | 0. | 0.00 |
| 475 | 5.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.21 | 7.49 | 0.00 | 7.49 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 476 | 4.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.22 | 7.48 | 0.00 | 7.48 | 0.00 | 2.71 | 0.12 | 0.00 | 2.84 | 0.00 | 34.5 | 0.0 | 0. | 0.00 |
| 477 | 4.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.23 | 7.46 | 0.00 | 7.46 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 478 | 4.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.24 | 7.45 | 0.00 | 7.45 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 479 | 4.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.26 | 7.44 | 0.00 | 7.44 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.2 | 0.0 | 0. | 0.00 |
| 480 | 4.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.27 | 7.43 | 0.00 | 7.43 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 481 | 4.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.27 | 7.42 | 0.00 | 7.42 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 33.9 | 0.0 | 0. | 0.00 |
| 482 | 4.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.28 | 7.40 | 0.00 | 7.40 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.8 | 0.0 | 0. | 0.00 |
| 483 | 4.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.29 | 7.39 | 0.00 | 7.39 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.7 | 0.0 | 0. | 0.00 |
| 484 | 4.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.30 | 7.38 | 0.00 | 7.38 | 0.00 | 2.70 | 0.13 | 0.00 | 2.82 | 0.00 | 33.6 | 0.0 | 0. | 0.00 |
| 485 | 4.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.31 | 7.37 | 0.00 | 7.37 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 486 | 3.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.32 | 7.36 | 0.00 | 7.36 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.4 | 0.0 | 0. | 0.00 |
| 487 | 3.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.33 | 7.35 | 0.00 | 7.35 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.3 | 0.0 | 0. | 0.00 |
| 488 | 3.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.33 | 7.33 | 0.00 | 7.33 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 489 | 3.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.34 | 7.32 | 0.00 | 7.32 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 490 | 3.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.35 | 7.31 | 0.00 | 7.31 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.0 | 0.0 | 0. | 0.00 |
| 491 | 3.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.35 | 7.30 | 0.00 | 7.30 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.8 | 0.0 | 0. | 0.00 |
| 492 | 3.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.36 | 7.29 | 0.00 | 7.29 | 0.00 | 2.68 | 0.13 | 0.00 | 2.80 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |
| 493 | 3.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.37 | 7.28 | 0.00 | 7.28 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.6 | 0.0 | 0. | 0.00 |
| 494 | 3.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.37 | 7.27 | 0.00 | 7.27 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.5 | 0.0 | 0. | 0.00 |
| 495 | 3.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.38 | 7.25 | 0.00 | 7.25 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.4 | 0.0 | 0. | 0.00 |
| 496 | 2.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.38 | 7.24 | 0.00 | 7.24 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.3 | 0.0 | 0. | 0.00 |
| 497 | 2.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 7.23 | 0.00 | 7.23 | 0.00 | 2.66 | 0.13 | 0.00 | 2.80 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 498 | 2.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 7.22 | 0.00 | 7.22 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 499 | 2.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.40 | 7.21 | 0.00 | 7.21 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.0 | 0.0 | 0. | 0.00 |
| 500 | 2.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.40 | 7.20 | 0.00 | 7.20 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.9 | 0.0 | 0. | 0.00 |
| 501 | 2.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.19 | 0.00 | 7.19 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.8 | 0.0 | 0. | 0.00 |
| 502 | 2.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.18 | 0.00 | 7.18 | 0.00 | 2.65 | 0.13 | 0.00 | 2.79 | 0.00 | 31.6 | 0.0 | 0. | 0.00 |
| 503 | 2.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.17 | 0.00 | 7.17 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.5 | 0.0 | 0. | 0.00 |
| 504 | 2.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.15 | 0.00 | 7.15 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 505 | 2.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.14 | 0.00 | 7.14 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.3 | 0.0 | 0. | 0.00 |
| 506 | 1.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.13 | 0.00 | 7.13 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.2 | 0.0 | 0. | 0.00 |
| 507 | 1.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.12 | 0.00 | 7.12 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 508 | 1.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.11 | 0.00 | 7.11 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 31.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 509 | 1.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.10 | 0.00 | 7.10 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.9 | 0.0 | 0. | 0.00 |
| 510 | 1.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.09 | 0.00 | 7.09 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.8 | 0.0 | 0. | 0.00 |
| 511 | 1.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.08 | 0.00 | 7.08 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 512 | 1.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.07 | 0.00 | 7.07 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.5 | 0.0 | 0. | 0.00 |
| 513 | 1.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.06 | 0.00 | 7.06 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.4 | 0.0 | 0. | 0.00 |
| 514 | 1.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.3 | 0.0 | 0. | 0.00 |
| 515 | 1.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.03 | 0.00 | 7.03 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.2 | 0.0 | 0. | 0.00 |
| 516 | 0.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.02 | 0.00 | 7.02 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 517 | 0.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |
| 518 | 0.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.00 | 0.00 | 7.00 | 0.00 | 2.62 | 0.14 | 0.00 | 2.75 | 0.00 | 29.2 | 0.0 | 0. | 0.00 |
| 519 | 0.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 6.99 | 0.00 | 6.99 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 520 | 0.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 6.98 | 0.00 | 6.98 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.8 | 0.0 | 0. | 0.00 |
| 521 | 0.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 6.97 | 0.00 | 6.97 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.0 | 0.0 | 0. | 0.00 |
| 522 | 0.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 6.96 | 0.00 | 6.96 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 26.2 | 0.0 | 0. | 0.00 |
| 523 | 0.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 6.95 | 0.00 | 6.95 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 25.5 | 0.0 | 0. | 0.00 |
| 524 | 0.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 6.94 | 0.00 | 6.94 | 0.00 | 2.60 | 0.14 | 0.00 | 2.74 | 0.00 | 24.8 | 0.0 | 0. | 0.00 |
| 525 | 0.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 6.98 | 0.00 | 6.98 | 0.00 | 2.59 | 0.14 | 0.00 | 2.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Bayou Chene

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | ABOD#2 SOD 1/da | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | 34.900 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | 34.800 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.91 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | 34.700 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | 34.600 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 5.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 6 | 34.500 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 7 | 34.400 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8 | 34.300 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 34.200 | 7.38 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10 | 34.100 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.12 | 5.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.03 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 11 | 34.000 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 12 | 33.900 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 13 | 33.800 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 14 | 33.700 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15 | 33.600 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 16 | 33.500 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.14 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 17 | 33.400 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 5.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | 33.300 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | 33.200 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.19 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20 | 33.100 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.21 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | 33.000 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | 32.900 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 5.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | 32.800 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | 32.700 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | 32.600 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 | 32.500 | 7.35 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 27 | 32.400 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 5.22 | 5.22 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | 32.300 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 32.200 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 32.100 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 32.000 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 31.900 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 5.25 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 31.800 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 31.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 31.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 31.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 31.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 31.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 31.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 31.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 31.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 30.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 30.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 30.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 30.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 30.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 30.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 30.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 30.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 30.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 30.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 29.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 29.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 29.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 29.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 29.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 29.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 29.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 29.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 29.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 29.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 28.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 28.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 28.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 28.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 28.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 28.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 28.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 28.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 28.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 28.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 27.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 27.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 27.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 27.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 27.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 27.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 27.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 27.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 27.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 27.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 26.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 26.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 26.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 26.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 26.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 26.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 26.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 26.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 26.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 26.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 25.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 25.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 25.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 25.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 25.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 25.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 25.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 25.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 25.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 25.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 24.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 24.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 24.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 24.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 24.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 24.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 24.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 24.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 24.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 24.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 23.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 23.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 23.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 23.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 23.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 23.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 23.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 23.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 23.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 23.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 22.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 22.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 22.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 22.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 22.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 22.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 22.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | 22.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 22.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 22.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 21.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 21.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 21.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 21.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 21.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 21.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 21.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 21.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 21.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 21.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 20.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 20.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 20.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 20.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 20.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 20.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 20.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 20.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 20.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 20.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 19.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 19.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 19.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 19.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 19.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 19.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 19.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 19.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 19.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 19.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 18.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 18.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 18.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 18.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 18.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 18.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 18.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 18.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 18.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 18.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 17.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 17.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 17.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 17.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 17.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 17.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 17.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 179 | 17.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 17.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 17.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 16.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 16.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 16.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 16.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 16.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 16.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 16.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 16.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 16.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 16.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 15.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 15.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 15.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 15.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 15.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 15.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 15.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 15.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 15.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 15.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 14.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 14.800 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 14.700 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 14.600 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 14.500 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 14.400 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 14.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 14.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 14.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 14.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 13.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 13.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 13.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 13.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 13.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 13.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 13.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 13.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 13.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 13.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 12.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 12.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 12.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 12.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 12.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 12.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 12.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | 12.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 12.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 12.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 11.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 11.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 11.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 11.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 11.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 11.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 11.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 11.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 11.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 11.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 10.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 10.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 10.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 10.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 10.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 10.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 10.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 10.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 10.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 10.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 9.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 9.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 9.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 9.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 9.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 9.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 9.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 9.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 9.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 9.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 8.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 8.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 8.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 8.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 8.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 8.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 8.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 8.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 8.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 8.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 7.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 7.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 7.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 279 | 7.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 7.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 7.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 6.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 6.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 6.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 6.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 6.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 5.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 5.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 5.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 5.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 5.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 5.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 4.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 4.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 4.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 4.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 4.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 4.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 3.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 3.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 3.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 3.300 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 3.200 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 3.100 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 3.000 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 2.900 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 2.800 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 2.700 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 2.600 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 2.500 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 2.400 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 2.300 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 329 | 2.200 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 2.100 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 2.000 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 1.900 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 1.800 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 1.700 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 1.600 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 1.500 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 1.400 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 1.300 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 1.200 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 1.100 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 1.000 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 0.900 | 7.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 0.800 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 0.700 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 0.600 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 0.500 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 0.400 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 0.300 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 0.200 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 0.100 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 0.000 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Station 935

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#1 DECAY | BOD#2 SETT | ABOD#2 DECAY | FULL SOD | CORR SOD | ORG-N DECAY | ORG-N SETT | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 346 | 17.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 17.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 17.700 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 17.600 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 17.500 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 17.400 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 17.300 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 17.200 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 17.100 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 17.000 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 16.900 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 16.800 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 16.700 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 16.600 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 16.500 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 16.400 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 16.300 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 16.200 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 16.100 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 16.000 | 7.42 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 15.900 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.00 | 0.02 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 15.800 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.00 | 0.02 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | 15.700 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 15.600 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 15.500 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 15.400 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 15.300 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 15.200 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 15.100 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 15.000 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 14.900 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 14.800 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 14.700 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 14.600 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 14.500 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 14.400 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 14.300 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 14.200 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 14.100 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 14.000 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 13.900 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 13.800 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 13.700 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 13.600 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 13.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 13.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 13.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 13.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 13.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 13.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 12.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 12.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 12.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 12.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 12.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 12.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 12.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 12.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 12.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 12.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 11.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 11.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 11.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 11.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 11.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 11.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 11.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 11.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 11.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 11.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 10.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 10.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 10.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 10.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 10.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 10.400 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 10.300 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 10.200 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 10.100 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 10.000 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 9.900 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 9.800 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 9.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 9.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 9.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 9.400 | 7.37 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 9.300 | 7.37 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 9.200 | 7.36 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 9.100 | 7.35 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 9.000 | 7.34 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 8.900 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 8.800 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 8.700 | 7.32 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 8.600 | 7.31 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 8.500 | 7.30 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 8.400 | 7.29 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 8.300 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 8.200 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 8.100 | 7.27 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 8.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 7.900 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 7.800 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 7.700 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 7.600 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 7.500 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 7.400 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 7.300 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 7.200 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 7.100 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 7.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 6.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 6.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 6.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 6.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 6.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 6.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 6.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 6.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 6.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 6.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 5.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 5.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 468 | 5.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 5.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 5.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 5.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 5.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 5.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 5.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 5.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 4.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 4.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 4.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 4.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 4.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 4.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 4.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 4.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 4.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 4.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 3.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 3.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 3.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 3.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 3.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 3.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 3.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 3.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 3.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 3.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 2.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 2.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 2.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 2.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 2.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 2.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 2.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 2.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 2.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 2.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 1.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 1.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 1.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 1.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 1.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 1.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 1.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 1.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 1.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 1.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 0.900 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 0.800 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.700 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 0.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 0.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 0.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 0.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 0.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 0.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 0.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Bayou Chene

HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.10 | 35.00 | 17.3806 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 2 | 35.00 | 34.90 | 17.3745 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 3 | 34.90 | 34.80 | 17.3685 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 4 | 34.80 | 34.70 | 17.3624 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 5 | 34.70 | 34.60 | 17.3563 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 6 | 34.60 | 34.50 | 17.3503 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 7 | 34.50 | 34.40 | 17.3442 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 8 | 34.40 | 34.30 | 17.3382 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 9 | 34.30 | 34.20 | 17.3321 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 10 | 34.20 | 34.10 | 17.3260 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 11 | 34.10 | 34.00 | 17.3200 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 12 | 34.00 | 33.90 | 17.3139 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 13 | 33.90 | 33.80 | 17.3079 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 14 | 33.80 | 33.70 | 17.3018 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 15 | 33.70 | 33.60 | 17.2957 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 16 | 33.60 | 33.50 | 17.2897 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 17 | 33.50 | 33.40 | 17.2836 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 18 | 33.40 | 33.30 | 17.2776 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 19 | 33.30 | 33.20 | 17.2715 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 20 | 33.20 | 33.10 | 17.2654 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 21 | 33.10 | 33.00 | 17.2594 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 22 | 33.00 | 32.90 | 17.2533 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 23 | 32.90 | 32.80 | 17.2473 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 24 | 32.80 | 32.70 | 17.2412 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 25 | 32.70 | 32.60 | 17.2351 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 26 | 32.60 | 32.50 | 17.2291 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 27 | 32.50 | 32.40 | 17.2230 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 28 | 32.40 | 32.30 | 17.2170 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 29 | 32.30 | 32.20 | 17.2109 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 30 | 32.20 | 32.10 | 17.2049 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 31 | 32.10 | 32.00 | 17.1988 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 32 | 32.00 | 31.90 | 17.1927 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 33 | 31.90 | 31.80 | 17.1867 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 34 | 31.80 | 31.70 | 17.1851 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 35 | 31.70 | 31.60 | 17.1835 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 36 | 31.60 | 31.50 | 17.1819 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 37 | 31.50 | 31.40 | 17.1804 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 31.40 | 31.30 | 17.1788 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 39 | 31.30 | 31.20 | 17.1772 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 40 | 31.20 | 31.10 | 17.1756 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 41 | 31.10 | 31.00 | 17.1741 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 42 | 31.00 | 30.90 | 17.1725 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 43 | 30.90 | 30.80 | 17.1709 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 44 | 30.80 | 30.70 | 17.1693 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 45 | 30.70 | 30.60 | 17.1678 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 46 | 30.60 | 30.50 | 17.1662 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 47 | 30.50 | 30.40 | 17.1646 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 48 | 30.40 | 30.30 | 17.1630 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 49 | 30.30 | 30.20 | 17.1615 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 50 | 30.20 | 30.10 | 17.1599 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 51 | 30.10 | 30.00 | 17.1583 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 52 | 30.00 | 29.90 | 17.1567 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 53 | 29.90 | 29.80 | 17.1552 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 54 | 29.80 | 29.70 | 17.1536 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 55 | 29.70 | 29.60 | 17.1520 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 56 | 29.60 | 29.50 | 17.1504 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 57 | 29.50 | 29.40 | 17.1489 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 58 | 29.40 | 29.30 | 17.1473 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 59 | 29.30 | 29.20 | 17.1457 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 60 | 29.20 | 29.10 | 17.1441 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 61 | 29.10 | 29.00 | 17.1426 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 62 | 29.00 | 28.90 | 17.1410 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 63 | 28.90 | 28.80 | 17.1394 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 64 | 28.80 | 28.70 | 17.1378 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 65 | 28.70 | 28.60 | 17.1363 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 66 | 28.60 | 28.50 | 17.1347 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 67 | 28.50 | 28.40 | 17.1331 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 68 | 28.40 | 28.30 | 17.1315 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 69 | 28.30 | 28.20 | 17.1300 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 70 | 28.20 | 28.10 | 17.1284 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 71 | 28.10 | 28.00 | 17.1268 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 72 | 28.00 | 27.90 | 17.1252 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 73 | 27.90 | 27.80 | 17.1237 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 74 | 27.80 | 27.70 | 17.1221 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 75 | 27.70 | 27.60 | 17.1205 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 76 | 27.60 | 27.50 | 17.1189 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 77 | 27.50 | 27.40 | 17.1174 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 78 | 27.40 | 27.30 | 17.1158 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 79 | 27.30 | 27.20 | 17.1142 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 80 | 27.20 | 27.10 | 17.1126 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 81 | 27.10 | 27.00 | 17.1110 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 82 | 27.00 | 26.90 | 17.1095 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 83 | 26.90 | 26.80 | 17.1079 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 84 | 26.80 | 26.70 | 17.1063 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 85 | 26.70 | 26.60 | 17.1047 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 86 | 26.60 | 26.50 | 17.1032 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 87 | 26.50 | 26.40 | 17.1016 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 26.40 | 26.30 | 17.1000 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 89 | 26.30 | 26.20 | 17.0984 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 90 | 26.20 | 26.10 | 17.0969 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 91 | 26.10 | 26.00 | 17.0953 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 92 | 26.00 | 25.90 | 17.0937 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 93 | 25.90 | 25.80 | 17.0921 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 94 | 25.80 | 25.70 | 17.0906 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 95 | 25.70 | 25.60 | 17.0890 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 96 | 25.60 | 25.50 | 17.0874 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 97 | 25.50 | 25.40 | 17.0858 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 98 | 25.40 | 25.30 | 17.0843 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 99 | 25.30 | 25.20 | 17.0827 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 100 | 25.20 | 25.10 | 17.0811 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 101 | 25.10 | 25.00 | 17.0795 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 102 | 25.00 | 24.90 | 17.0780 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 103 | 24.90 | 24.80 | 17.0764 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 104 | 24.80 | 24.70 | 17.0748 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 105 | 24.70 | 24.60 | 17.0732 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 106 | 24.60 | 24.50 | 17.0717 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 107 | 24.50 | 24.40 | 17.0701 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 108 | 24.40 | 24.30 | 17.0685 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 109 | 24.30 | 24.20 | 17.0669 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 110 | 24.20 | 24.10 | 17.0654 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 111 | 24.10 | 24.00 | 17.0638 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 112 | 24.00 | 23.90 | 17.0622 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 113 | 23.90 | 23.80 | 17.0606 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 114 | 23.80 | 23.70 | 17.0591 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 115 | 23.70 | 23.60 | 17.0575 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 116 | 23.60 | 23.50 | 17.0559 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 117 | 23.50 | 23.40 | 17.0543 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 118 | 23.40 | 23.30 | 17.0528 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 119 | 23.30 | 23.20 | 17.0512 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 120 | 23.20 | 23.10 | 17.0496 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 121 | 23.10 | 23.00 | 17.0480 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 122 | 23.00 | 22.90 | 17.0465 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 123 | 22.90 | 22.80 | 17.0449 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 124 | 22.80 | 22.70 | 17.0433 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 125 | 22.70 | 22.60 | 17.0417 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 126 | 22.60 | 22.50 | 17.0402 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 127 | 22.50 | 22.40 | 17.0386 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 128 | 22.40 | 22.30 | 17.0370 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 129 | 22.30 | 22.20 | 17.0354 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 130 | 22.20 | 22.10 | 17.0339 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 131 | 22.10 | 22.00 | 17.0323 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 132 | 22.00 | 21.90 | 17.0307 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 133 | 21.90 | 21.80 | 17.0291 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 134 | 21.80 | 21.70 | 17.0275 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 135 | 21.70 | 21.60 | 17.0260 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 136 | 21.60 | 21.50 | 17.0244 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 137 | 21.50 | 21.40 | 17.0228 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 138 | 21.40 | 21.30 | 17.0212 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 139 | 21.30 | 21.20 | 17.0197 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 140 | 21.20 | 21.10 | 17.0181 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 141 | 21.10 | 21.00 | 17.0165 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 142 | 21.00 | 20.90 | 17.0149 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 143 | 20.90 | 20.80 | 17.0134 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 144 | 20.80 | 20.70 | 17.0118 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 145 | 20.70 | 20.60 | 17.0102 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 146 | 20.60 | 20.50 | 17.0086 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 147 | 20.50 | 20.40 | 17.0071 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 148 | 20.40 | 20.30 | 17.0055 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 149 | 20.30 | 20.20 | 17.0039 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 150 | 20.20 | 20.10 | 17.0023 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 151 | 20.10 | 20.00 | 17.0008 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 152 | 20.00 | 19.90 | 16.9992 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 153 | 19.90 | 19.80 | 16.9976 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 154 | 19.80 | 19.70 | 16.9960 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 155 | 19.70 | 19.60 | 16.9945 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 156 | 19.60 | 19.50 | 16.9929 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 157 | 19.50 | 19.40 | 16.9913 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 158 | 19.40 | 19.30 | 16.9897 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 159 | 19.30 | 19.20 | 16.9882 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 160 | 19.20 | 19.10 | 16.9866 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 161 | 19.10 | 19.00 | 13.2259 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 162 | 19.00 | 18.90 | 13.2221 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 163 | 18.90 | 18.80 | 13.2182 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 164 | 18.80 | 18.70 | 13.2144 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 165 | 18.70 | 18.60 | 13.2106 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 166 | 18.60 | 18.50 | 13.2067 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 167 | 18.50 | 18.40 | 13.2029 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 168 | 18.40 | 18.30 | 13.1990 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 169 | 18.30 | 18.20 | 13.1952 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 170 | 18.20 | 18.10 | 13.1913 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 171 | 18.10 | 18.00 | 13.1875 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 172 | 18.00 | 17.90 | 13.1836 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 173 | 17.90 | 17.80 | 13.1798 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 174 | 17.80 | 17.70 | 13.1759 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 175 | 17.70 | 17.60 | 13.1721 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 176 | 17.60 | 17.50 | 13.1682 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 177 | 17.50 | 17.40 | 13.1644 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 178 | 17.40 | 17.30 | 13.1606 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 179 | 17.30 | 17.20 | 13.1567 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 180 | 17.20 | 17.10 | 13.1529 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 181 | 17.10 | 17.00 | 13.1490 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 182 | 17.00 | 16.90 | 13.1452 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 183 | 16.90 | 16.80 | 13.1413 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 184 | 16.80 | 16.70 | 13.1375 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 185 | 16.70 | 16.60 | 13.1336 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 186 | 16.60 | 16.50 | 13.1298 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 187 | 16.50 | 16.40 | 13.1259 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | 16.40 | 16.30 | 13.1221 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 189 | 16.30 | 16.20 | 13.1182 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 190 | 16.20 | 16.10 | 13.1144 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 191 | 16.10 | 16.00 | 13.1106 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 192 | 16.00 | 15.90 | 13.1067 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 193 | 15.90 | 15.80 | 13.1029 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 194 | 15.80 | 15.70 | 13.0990 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 195 | 15.70 | 15.60 | 13.0952 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 196 | 15.60 | 15.50 | 13.0913 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 197 | 15.50 | 15.40 | 13.0875 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 198 | 15.40 | 15.30 | 13.0836 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 199 | 15.30 | 15.20 | 13.0798 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 200 | 15.20 | 15.10 | 13.0759 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 201 | 15.10 | 15.00 | 13.0721 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 202 | 15.00 | 14.90 | 13.0682 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 203 | 14.90 | 14.80 | 13.0644 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 204 | 14.80 | 14.70 | 13.0606 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 205 | 14.70 | 14.60 | 13.0567 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 206 | 14.60 | 14.50 | 13.0529 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 207 | 14.50 | 14.40 | 13.0490 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 208 | 14.40 | 14.30 | 13.0452 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 209 | 14.30 | 14.20 | 13.0413 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 210 | 14.20 | 14.10 | 13.0375 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 211 | 14.10 | 14.00 | 13.0336 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 212 | 14.00 | 13.90 | 13.0298 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 213 | 13.90 | 13.80 | 14.7238 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 214 | 13.80 | 13.70 | 14.7188 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 215 | 13.70 | 13.60 | 14.7138 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 216 | 13.60 | 13.50 | 14.7088 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 217 | 13.50 | 13.40 | 14.7038 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 218 | 13.40 | 13.30 | 14.6988 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 219 | 13.30 | 13.20 | 14.6938 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 220 | 13.20 | 13.10 | 14.6888 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 221 | 13.10 | 13.00 | 14.6838 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 222 | 13.00 | 12.90 | 14.6788 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 223 | 12.90 | 12.80 | 14.6738 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 224 | 12.80 | 12.70 | 14.6688 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 225 | 12.70 | 12.60 | 14.6638 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 226 | 12.60 | 12.50 | 14.6588 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 227 | 12.50 | 12.40 | 14.6538 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 228 | 12.40 | 12.30 | 14.6488 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 229 | 12.30 | 12.20 | 14.6438 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 230 | 12.20 | 12.10 | 14.6388 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 231 | 12.10 | 12.00 | 14.6338 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 232 | 12.00 | 11.90 | 14.6288 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 233 | 11.90 | 11.80 | 14.6238 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 234 | 11.80 | 11.70 | 14.6188 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 235 | 11.70 | 11.60 | 14.6138 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 236 | 11.60 | 11.50 | 14.6088 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 237 | 11.50 | 11.40 | 14.6038 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 238 | 11.40 | 11.30 | 14.5988 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 239 | 11.30 | 11.20 | 14.5938 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 240 | 11.20 | 11.10 | 14.5888 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 241 | 11.10 | 11.00 | 14.5838 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 242 | 11.00 | 10.90 | 14.5788 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 243 | 10.90 | 10.80 | 14.5738 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 244 | 10.80 | 10.70 | 14.5688 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 245 | 10.70 | 10.60 | 14.5638 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 246 | 10.60 | 10.50 | 14.5588 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 247 | 10.50 | 10.40 | 14.5538 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 248 | 10.40 | 10.30 | 14.5488 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 249 | 10.30 | 10.20 | 14.5438 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 250 | 10.20 | 10.10 | 14.5388 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 251 | 10.10 | 10.00 | 14.5338 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 252 | 10.00 | 9.90 | 14.5288 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 253 | 9.90 | 9.80 | 5.3141 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 254 | 9.80 | 9.70 | 5.3110 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 255 | 9.70 | 9.60 | 5.3078 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 256 | 9.60 | 9.50 | 5.3046 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 257 | 9.50 | 9.40 | 5.3014 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 258 | 9.40 | 9.30 | 5.2983 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 259 | 9.30 | 9.20 | 5.2951 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 260 | 9.20 | 9.10 | 5.2919 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 261 | 9.10 | 9.00 | 5.2887 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 262 | 9.00 | 8.90 | 5.2856 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 263 | 8.90 | 8.80 | 5.2824 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 264 | 8.80 | 8.70 | 5.2792 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 265 | 8.70 | 8.60 | 5.2760 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 266 | 8.60 | 8.50 | 5.2729 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 267 | 8.50 | 8.40 | 5.2697 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 268 | 8.40 | 8.30 | 5.2665 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 269 | 8.30 | 8.20 | 5.2633 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 270 | 8.20 | 8.10 | 5.2602 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 271 | 8.10 | 8.00 | 5.2570 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 272 | 8.00 | 7.90 | 5.2538 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 273 | 7.90 | 7.80 | 5.2506 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 274 | 7.80 | 7.70 | 5.2475 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 275 | 7.70 | 7.60 | 5.2443 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 276 | 7.60 | 7.50 | 5.2411 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 277 | 7.50 | 7.40 | 5.2379 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 278 | 7.40 | 7.30 | 5.2348 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 279 | 7.30 | 7.20 | 5.2316 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 280 | 7.20 | 7.10 | 5.2284 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 281 | 7.10 | 7.00 | 5.2252 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 282 | 7.00 | 6.90 | 5.2221 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 283 | 6.90 | 6.80 | 5.2189 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 284 | 6.80 | 6.70 | 5.2157 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 285 | 6.70 | 6.60 | 5.2125 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 286 | 6.60 | 6.50 | 5.2094 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 287 | 6.50 | 6.40 | 5.2062 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 288 | 6.40 | 6.30 | 5.2030 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 289 | 6.30 | 6.20 | 5.1998 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 290 | 6.20 | 6.10 | 5.1967 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 291 | 6.10 | 6.00 | 5.1935 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 292 | 6.00 | 5.90 | 5.1903 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 293 | 5.90 | 5.80 | 5.1871 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 294 | 5.80 | 5.70 | 5.1840 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 295 | 5.70 | 5.60 | 5.1808 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 296 | 5.60 | 5.50 | 5.1776 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 297 | 5.50 | 5.40 | 5.1744 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 298 | 5.40 | 5.30 | 5.1713 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 299 | 5.30 | 5.20 | 5.1681 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 300 | 5.20 | 5.10 | 5.1649 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 301 | 5.10 | 5.00 | 5.1617 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 302 | 5.00 | 4.90 | 5.1586 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 303 | 4.90 | 4.80 | 5.1554 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 304 | 4.80 | 4.70 | 5.1522 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 305 | 4.70 | 4.60 | 5.1490 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 306 | 4.60 | 4.50 | 5.1459 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 307 | 4.50 | 4.40 | 5.1427 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 308 | 4.40 | 4.30 | 5.1395 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 309 | 4.30 | 4.20 | 5.1363 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 310 | 4.20 | 4.10 | 5.1332 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 311 | 4.10 | 4.00 | 5.1300 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 312 | 4.00 | 3.90 | 5.1268 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 313 | 3.90 | 3.80 | 5.1236 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 314 | 3.80 | 3.70 | 5.1205 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 315 | 3.70 | 3.60 | 5.1173 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 316 | 3.60 | 3.50 | 5.1106 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 317 | 3.50 | 3.40 | 5.1040 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 318 | 3.40 | 3.30 | 5.0973 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 319 | 3.30 | 3.20 | 5.0906 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 320 | 3.20 | 3.10 | 5.0840 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 321 | 3.10 | 3.00 | 5.0773 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 322 | 3.00 | 2.90 | 5.0706 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 323 | 2.90 | 2.80 | 5.0640 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 324 | 2.80 | 2.70 | 5.0573 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 325 | 2.70 | 2.60 | 5.0506 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 326 | 2.60 | 2.50 | 5.0440 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 327 | 2.50 | 2.40 | 5.0373 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 328 | 2.40 | 2.30 | 5.0306 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 329 | 2.30 | 2.20 | 5.0240 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 330 | 2.20 | 2.10 | 5.0173 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 331 | 2.10 | 2.00 | 5.0106 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 332 | 2.00 | 1.90 | 5.0040 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 333 | 1.90 | 1.80 | 4.9973 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 334 | 1.80 | 1.70 | 4.9906 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 335 | 1.70 | 1.60 | 4.9840 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 336 | 1.60 | 1.50 | 4.9773 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 337 | 1.50 | 1.40 | 4.9706 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | 1.40 | 1.30 | 4.9640 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 339 | 1.30 | 1.20 | 4.9573 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 340 | 1.20 | 1.10 | 4.9506 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 341 | 1.10 | 1.00 | 4.9440 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 342 | 1.00 | 0.90 | 4.9373 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 343 | 0.90 | 0.80 | 4.9306 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 344 | 0.80 | 0.70 | 4.9240 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 345 | 0.70 | 0.60 | 4.9173 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 526 | 0.60 | 0.50 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 527 | 0.50 | 0.40 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 528 | 0.40 | 0.30 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 529 | 0.30 | 0.20 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 530 | 0.20 | 0.10 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 531 | 0.10 | 0.00 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |

SPECIAL REPORT: Station 935

HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW | ADVCTV VELO | DEPTH | WIDTH | VOLUME | SURFACE AREA | X-SECT AREA | TIDAL PRISM | TIDAL VELO | DISPRSN | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s |
| 346 | 18.00 | 17.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 347 | 17.90 | 17.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 348 | 17.80 | 17.70 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 349 | 17.70 | 17.60 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 350 | 17.60 | 17.50 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 351 | 17.50 | 17.40 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 352 | 17.40 | 17.30 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 353 | 17.30 | 17.20 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 354 | 17.20 | 17.10 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 355 | 17.10 | 17.00 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 356 | 17.00 | 16.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 357 | 16.90 | 16.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 358 | 16.80 | 16.70 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 359 | 16.70 | 16.60 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 360 | 16.60 | 16.50 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 361 | 16.50 | 16.40 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 362 | 16.40 | 16.30 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 363 | 16.30 | 16.20 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 364 | 16.20 | 16.10 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 365 | 16.10 | 16.00 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 366 | 16.00 | 15.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 367 | 15.90 | 15.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 |
| 368 | 15.80 | 15.70 | 0.2086 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 369 | 15.70 | 15.60 | 0.3794 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 370 | 15.60 | 15.50 | 0.5503 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 371 | 15.50 | 15.40 | 0.7211 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 372 | 15.40 | 15.30 | 0.8920 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 373 | 15.30 | 15.20 | 1.0628 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 374 | 15.20 | 15.10 | 1.2337 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 375 | 15.10 | 15.00 | 1.4045 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 376 | 15.00 | 14.90 | 1.5754 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 377 | 14.90 | 14.80 | 1.7283 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 378 | 14.80 | 14.70 | 1.8812 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 379 | 14.70 | 14.60 | 2.0341 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 380 | 14.60 | 14.50 | 2.1870 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 381 | 14.50 | 14.40 | 2.3399 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 382 | 14.40 | 14.30 | 2.4928 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 383 | 14.30 | 14.20 | 2.6457 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 384 | 14.20 | 14.10 | 2.7986 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 385 | 14.10 | 14.00 | 2.9515 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 386 | 14.00 | 13.90 | 3.1044 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 387 | 13.90 | 13.80 | 3.2573 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 388 | 13.80 | 13.70 | 3.4103 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 389 | 13.70 | 13.60 | 3.5632 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 390 | 13.60 | 13.50 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 391 | 13.50 | 13.40 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 392 | 13.40 | 13.30 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 393 | 13.30 | 13.20 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 394 | 13.20 | 13.10 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 395 | 13.10 | 13.00 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 396 | 13.00 | 12.90 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 397 | 12.90 | 12.80 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 398 | 12.80 | 12.70 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 399 | 12.70 | 12.60 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 400 | 12.60 | 12.50 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 401 | 12.50 | 12.40 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 402 | 12.40 | 12.30 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 403 | 12.30 | 12.20 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 404 | 12.20 | 12.10 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 405 | 12.10 | 12.00 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 406 | 12.00 | 11.90 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 407 | 11.90 | 11.80 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 408 | 11.80 | 11.70 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 409 | 11.70 | 11.60 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 410 | 11.60 | 11.50 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 411 | 11.50 | 11.40 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 412 | 11.40 | 11.30 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 413 | 11.30 | 11.20 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 414 | 11.20 | 11.10 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 415 | 11.10 | 11.00 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 416 | 11.00 | 10.90 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 417 | 10.90 | 10.80 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 418 | 10.80 | 10.70 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 419 | 10.70 | 10.60 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 420 | 10.60 | 10.50 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 421 | 10.50 | 10.40 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 422 | 10.40 | 10.30 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 423 | 10.30 | 10.20 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 424 | 10.20 | 10.10 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 425 | 10.10 | 10.00 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 426 | 10.00 | 9.90 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 427 | 9.90 | 9.80 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 428 | 9.80 | 9.70 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 429 | 9.70 | 9.60 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 430 | 9.60 | 9.50 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 431 | 9.50 | 9.40 | 6.8479 | 0.068 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.100 | 0.068 |
| 432 | 9.40 | 9.30 | 6.8479 | 0.068 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.100 | 0.068 |
| 433 | 9.30 | 9.20 | 5.1038 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 434 | 9.20 | 9.10 | 5.1059 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 435 | 9.10 | 9.00 | 5.1080 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 436 | 9.00 | 8.90 | 5.1101 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 437 | 8.90 | 8.80 | 5.1123 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 438 | 8.80 | 8.70 | 5.1144 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 439 | 8.70 | 8.60 | 5.1165 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 440 | 8.60 | 8.50 | 5.1186 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 441 | 8.50 | 8.40 | 5.1208 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 442 | 8.40 | 8.30 | 5.1229 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 443 | 8.30 | 8.20 | 5.1250 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 444 | 8.20 | 8.10 | 5.1271 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 445 | 8.10 | 8.00 | 5.1299 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 446 | 8.00 | 7.90 | 5.1327 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 447 | 7.90 | 7.80 | 5.1355 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 448 | 7.80 | 7.70 | 5.1383 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 449 | 7.70 | 7.60 | 5.1411 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 450 | 7.60 | 7.50 | 5.1439 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 451 | 7.50 | 7.40 | 5.1467 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 452 | 7.40 | 7.30 | 5.1495 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 453 | 7.30 | 7.20 | 5.1523 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 454 | 7.20 | 7.10 | 5.1551 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 455 | 7.10 | 7.00 | 5.1579 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 456 | 7.00 | 6.90 | 5.1606 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 457 | 6.90 | 6.80 | 5.1634 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 458 | 6.80 | 6.70 | 5.1662 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 459 | 6.70 | 6.60 | 5.1690 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 460 | 6.60 | 6.50 | 5.1718 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 461 | 6.50 | 6.40 | 5.1746 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 462 | 6.40 | 6.30 | 5.1774 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 463 | 6.30 | 6.20 | 5.1802 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 464 | 6.20 | 6.10 | 5.1830 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 465 | 6.10 | 6.00 | 5.1858 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 466 | 6.00 | 5.90 | 5.1886 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 467 | 5.90 | 5.80 | 5.1914 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 468 | 5.80 | 5.70 | 5.1942 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 469 | 5.70 | 5.60 | 5.1970 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 470 | 5.60 | 5.50 | 5.1998 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 471 | 5.50 | 5.40 | 5.2025 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 472 | 5.40 | 5.30 | 5.2053 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 473 | 5.30 | 5.20 | 5.2081 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 474 | 5.20 | 5.10 | 5.2109 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 475 | 5.10 | 5.00 | 5.2137 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 476 | 5.00 | 4.90 | 5.2165 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 477 | 4.90 | 4.80 | 5.2193 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 478 | 4.80 | 4.70 | 5.2221 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 479 | 4.70 | 4.60 | 5.2249 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 480 | 4.60 | 4.50 | 5.2277 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 481 | 4.50 | 4.40 | 5.2305 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 482 | 4.40 | 4.30 | 5.2333 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 483 | 4.30 | 4.20 | 5.2361 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 484 | 4.20 | 4.10 | 5.2389 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 485 | 4.10 | 4.00 | 5.2417 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 486 | 4.00 | 3.90 | 5.2444 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 487 | 3.90 | 3.80 | 5.2472 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 488 | 3.80 | 3.70 | 5.2500 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 489 | 3.70 | 3.60 | 5.2528 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 490 | 3.60 | 3.50 | 5.2556 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 491 | 3.50 | 3.40 | 5.2584 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 492 | 3.40 | 3.30 | 5.2612 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 493 | 3.30 | 3.20 | 5.2640 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 494 | 3.20 | 3.10 | 5.2668 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 495 | 3.10 | 3.00 | 5.2696 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 496 | 3.00 | 2.90 | 5.2724 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 497 | 2.90 | 2.80 | 5.2752 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 498 | 2.80 | 2.70 | 5.2780 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 499 | 2.70 | 2.60 | 5.2808 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 500 | 2.60 | 2.50 | 5.2836 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 501 | 2.50 | 2.40 | 5.2863 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 502 | 2.40 | 2.30 | 5.2891 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 503 | 2.30 | 2.20 | 5.2919 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 504 | 2.20 | 2.10 | 5.2947 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 505 | 2.10 | 2.00 | 5.2975 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 506 | 2.00 | 1.90 | 5.3003 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 507 | 1.90 | 1.80 | 5.3031 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 508 | 1.80 | 1.70 | 5.3059 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 509 | 1.70 | 1.60 | 5.3087 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 510 | 1.60 | 1.50 | 5.3115 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 511 | 1.50 | 1.40 | 5.3143 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 512 | 1.40 | 1.30 | 5.3171 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 513 | 1.30 | 1.20 | 5.3199 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 514 | 1.20 | 1.10 | 5.3227 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 515 | 1.10 | 1.00 | 5.3255 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 516 | 1.00 | 0.90 | 5.3282 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 517 | 0.90 | 0.80 | 5.3310 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 518 | 0.80 | 0.70 | 5.3342 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 519 | 0.70 | 0.60 | 5.3374 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 520 | 0.60 | 0.50 | 5.3406 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 521 | 0.50 | 0.40 | 5.3438 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 522 | 0.40 | 0.30 | 5.3470 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 523 | 0.30 | 0.20 | 5.3502 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 524 | 0.20 | 0.10 | 5.3534 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 525 | 0.10 | 0.00 | 5.3565 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 1 Bayou Chene to Blackbird Bayou Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 17.38664 | 30.00 | 0.00 | 0.00 | 0.00 | 6.20 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 0.00 | 70.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01515 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 50.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.02121 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT m/s | ADVCTV VELO days | TRAVEL TIME m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.10 | 35.00 | 17.38058 | 0.0 | 0.12875 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 2 | 35.00 | 34.90 | 17.37452 | 0.0 | 0.12870 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 3 | 34.90 | 34.80 | 17.36846 | 0.0 | 0.12866 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 4 | 34.80 | 34.70 | 17.36240 | 0.0 | 0.12861 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 5 | 34.70 | 34.60 | 17.35634 | 0.0 | 0.12857 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 6 | 34.60 | 34.50 | 17.35028 | 0.0 | 0.12852 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 7 | 34.50 | 34.40 | 17.34422 | 0.0 | 0.12848 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 8 | 34.40 | 34.30 | 17.33816 | 0.0 | 0.12843 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 9 | 34.30 | 34.20 | 17.33210 | 0.0 | 0.12839 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 10 | 34.20 | 34.10 | 17.32604 | 0.0 | 0.12834 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 11 | 34.10 | 34.00 | 17.31998 | 0.0 | 0.12830 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 12 | 34.00 | 33.90 | 17.31392 | 0.0 | 0.12825 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 13 | 33.90 | 33.80 | 17.30787 | 0.0 | 0.12821 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 14 | 33.80 | 33.70 | 17.30181 | 0.0 | 0.12816 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 15 | 33.70 | 33.60 | 17.29575 | 0.0 | 0.12812 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 16 | 33.60 | 33.50 | 17.28969 | 0.0 | 0.12807 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 17 | 33.50 | 33.40 | 17.28363 | 0.0 | 0.12803 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 18 | 33.40 | 33.30 | 17.27757 | 0.0 | 0.12798 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 19 | 33.30 | 33.20 | 17.27151 | 0.0 | 0.12794 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 20 | 33.20 | 33.10 | 17.26545 | 0.0 | 0.12789 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 21 | 33.10 | 33.00 | 17.25939 | 0.0 | 0.12785 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 22 | 33.00 | 32.90 | 17.25333 | 0.0 | 0.12780 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 23 | 32.90 | 32.80 | 17.24727 | 0.0 | 0.12776 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 24 | 32.80 | 32.70 | 17.24121 | 0.0 | 0.12771 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 25 | 32.70 | 32.60 | 17.23515 | 0.0 | 0.12767 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 26 | 32.60 | 32.50 | 17.22909 | 0.0 | 0.12762 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 27 | 32.50 | 32.40 | 17.22303 | 0.0 | 0.12758 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 28 | 32.40 | 32.30 | 17.21697 | 0.0 | 0.12753 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 29 | 32.30 | 32.20 | 17.21091 | 0.0 | 0.12749 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 30 | 32.20 | 32.10 | 17.20485 | 0.0 | 0.12744 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 31 | 32.10 | 32.00 | 17.19879 | 0.0 | 0.12740 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 32 | 32.00 | 31.90 | 17.19273 | 0.0 | 0.12735 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 33 | 31.90 | 31.80 | 17.18667 | 0.0 | 0.12731 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| TOT | | | | | 0.30 | | | | 445500.00 | 445500.00 | | | | | |
| AVG | | | | 0.1280 | | | 1.00 | 135.00 | | | 135.00 | | | | |
| CUM | | | | | 0.30 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
| 1 | 35.000 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 2 | 34.900 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 34.800 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 5.08 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.91 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | 34.700 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 5.08 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5 | 34.600 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 5.09 | 5.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 6 | 34.500 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 7 | 34.400 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 8 | 34.300 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 9 | 34.200 | 7.38 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 10 | 34.100 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.12 | 5.12 | 5.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.03 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 11 | 34.000 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 5.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 12 | 33.900 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 5.13 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 13 | 33.800 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 14 | 33.700 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 15 | 33.600 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 16 | 33.500 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.14 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 17 | 33.400 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 5.16 | 5.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 18 | 33.300 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 19 | 33.200 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.19 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 20 | 33.100 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.21 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 21 | 33.000 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 22 | 32.900 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 5.19 | 5.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 23 | 32.800 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 24 | 32.700 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 25 | 32.600 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 26 | 32.500 | 7.35 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 27 | 32.400 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.22 | 5.22 | 5.22 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 28 | 32.300 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 29 | 32.200 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 30 | 32.100 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 31 | 32.000 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 32 | 31.900 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 5.25 | 5.25 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 33 | 31.800 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | 5.26 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| AVG 20 DEG C RATE | | | 1.41 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | | | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 31.22 | 0.00 | 0.00 | 0.00 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 2.26 | 0.00 | 70.15 | 0.00 | 0. | 0.00 | |
| 2 | 34.900 | 31.24 | 0.00 | 0.00 | 0.00 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.30 | 0.00 | 0. | 0.00 | |
| 3 | 34.800 | 31.25 | 0.00 | 0.00 | 0.00 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.45 | 0.00 | 0. | 0.00 | |
| 4 | 34.700 | 31.27 | 0.00 | 0.00 | 0.00 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.61 | 0.00 | 0. | 0.00 | |
| 5 | 34.600 | 31.29 | 0.00 | 0.00 | 0.00 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.24 | 0.00 | 70.76 | 0.00 | 0. | 0.00 | |
| 6 | 34.500 | 31.31 | 0.00 | 0.00 | 0.00 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 70.91 | 0.00 | 0. | 0.00 | |
| 7 | 34.400 | 31.33 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 71.06 | 0.00 | 0. | 0.00 | |
| 8 | 34.300 | 31.35 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.23 | 0.00 | 71.21 | 0.00 | 0. | 0.00 | |
| 9 | 34.200 | 31.36 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.36 | 0.00 | 0. | 0.00 | |
| 10 | 34.100 | 31.38 | 0.00 | 0.00 | 0.00 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.52 | 0.00 | 0. | 0.00 | |
| 11 | 34.000 | 31.40 | 0.00 | 0.00 | 0.00 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.67 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 33.900 | 31.42 | 0.00 | 0.00 | 0.00 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.82 | 0.00 | 0. | 0.00 |
| 13 | 33.800 | 31.44 | 0.00 | 0.00 | 0.00 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.52 | 2.22 | 0.00 | 71.97 | 0.00 | 0. | 0.00 |
| 14 | 33.700 | 31.45 | 0.00 | 0.00 | 0.00 | 6.14 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.12 | 0.00 | 0. | 0.00 |
| 15 | 33.600 | 31.47 | 0.00 | 0.00 | 0.00 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.27 | 0.00 | 0. | 0.00 |
| 16 | 33.500 | 31.49 | 0.00 | 0.00 | 0.00 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.21 | 0.00 | 72.42 | 0.00 | 0. | 0.00 |
| 17 | 33.400 | 31.51 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.58 | 0.00 | 0. | 0.00 |
| 18 | 33.300 | 31.53 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.73 | 0.00 | 0. | 0.00 |
| 19 | 33.200 | 31.55 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.88 | 0.00 | 0. | 0.00 |
| 20 | 33.100 | 31.56 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.03 | 0.00 | 0. | 0.00 |
| 21 | 33.000 | 31.58 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.18 | 0.00 | 0. | 0.00 |
| 22 | 32.900 | 31.60 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.18 | 0.00 | 73.33 | 0.00 | 0. | 0.00 |
| 23 | 32.800 | 31.62 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.48 | 0.00 | 0. | 0.00 |
| 24 | 32.700 | 31.64 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.64 | 0.00 | 0. | 0.00 |
| 25 | 32.600 | 31.65 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.79 | 0.00 | 0. | 0.00 |
| 26 | 32.500 | 31.67 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.94 | 0.00 | 0. | 0.00 |
| 27 | 32.400 | 31.69 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.17 | 0.00 | 74.09 | 0.00 | 0. | 0.00 |
| 28 | 32.300 | 31.71 | 0.00 | 0.00 | 0.00 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.24 | 0.00 | 0. | 0.00 |
| 29 | 32.200 | 31.73 | 0.00 | 0.00 | 0.00 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.39 | 0.00 | 0. | 0.00 |
| 30 | 32.100 | 31.75 | 0.00 | 0.00 | 0.00 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.16 | 0.00 | 74.55 | 0.00 | 0. | 0.00 |
| 31 | 32.000 | 31.76 | 0.00 | 0.00 | 0.00 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.70 | 0.00 | 0. | 0.00 |
| 32 | 31.900 | 31.78 | 0.00 | 0.00 | 0.00 | 6.08 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.85 | 0.00 | 0. | 0.00 |
| 33 | 31.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 75.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 2 Blackbird Bayou to 120401-G Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | UPR RCH | 17.18667 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 0.00 | 75.00 | 0.00 | 0.00 |
| EACH | INCR | 0.03937 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 50.00 | 0.00 | | 3.10 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.04094 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 31.80 | 31.70 | 17.18510 | 0.0 | 0.15623 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 35 | 31.70 | 31.60 | 17.18352 | 0.0 | 0.15621 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 36 | 31.60 | 31.50 | 17.18195 | 0.0 | 0.15620 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 37 | 31.50 | 31.40 | 17.18037 | 0.0 | 0.15619 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 38 | 31.40 | 31.30 | 17.17879 | 0.0 | 0.15617 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 39 | 31.30 | 31.20 | 17.17722 | 0.0 | 0.15616 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 40 | 31.20 | 31.10 | 17.17564 | 0.0 | 0.15614 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 41 | 31.10 | 31.00 | 17.17407 | 0.0 | 0.15613 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 42 | 31.00 | 30.90 | 17.17249 | 0.0 | 0.15611 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 43 | 30.90 | 30.80 | 17.17092 | 0.0 | 0.15610 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 44 | 30.80 | 30.70 | 17.16934 | 0.0 | 0.15608 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 45 | 30.70 | 30.60 | 17.16777 | 0.0 | 0.15607 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 46 | 30.60 | 30.50 | 17.16619 | 0.0 | 0.15606 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 47 | 30.50 | 30.40 | 17.16462 | 0.0 | 0.15604 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 48 | 30.40 | 30.30 | 17.16304 | 0.0 | 0.15603 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 49 | 30.30 | 30.20 | 17.16146 | 0.0 | 0.15601 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 30.20 | 30.10 | 17.15989 | 0.0 | 0.15600 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 51 | 30.10 | 30.00 | 17.15831 | 0.0 | 0.15598 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 52 | 30.00 | 29.90 | 17.15674 | 0.0 | 0.15597 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 53 | 29.90 | 29.80 | 17.15516 | 0.0 | 0.15596 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 54 | 29.80 | 29.70 | 17.15359 | 0.0 | 0.15594 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 55 | 29.70 | 29.60 | 17.15201 | 0.0 | 0.15593 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 56 | 29.60 | 29.50 | 17.15044 | 0.0 | 0.15591 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 57 | 29.50 | 29.40 | 17.14886 | 0.0 | 0.15590 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 58 | 29.40 | 29.30 | 17.14729 | 0.0 | 0.15588 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 59 | 29.30 | 29.20 | 17.14571 | 0.0 | 0.15587 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 60 | 29.20 | 29.10 | 17.14413 | 0.0 | 0.15586 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 61 | 29.10 | 29.00 | 17.14256 | 0.0 | 0.15584 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 62 | 29.00 | 28.90 | 17.14098 | 0.0 | 0.15583 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 63 | 28.90 | 28.80 | 17.13941 | 0.0 | 0.15581 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 64 | 28.80 | 28.70 | 17.13783 | 0.0 | 0.15580 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 65 | 28.70 | 28.60 | 17.13626 | 0.0 | 0.15578 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 66 | 28.60 | 28.50 | 17.13468 | 0.0 | 0.15577 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 67 | 28.50 | 28.40 | 17.13311 | 0.0 | 0.15576 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 68 | 28.40 | 28.30 | 17.13153 | 0.0 | 0.15574 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 69 | 28.30 | 28.20 | 17.12996 | 0.0 | 0.15573 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 70 | 28.20 | 28.10 | 17.12838 | 0.0 | 0.15571 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 71 | 28.10 | 28.00 | 17.12680 | 0.0 | 0.15570 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 72 | 28.00 | 27.90 | 17.12523 | 0.0 | 0.15568 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 73 | 27.90 | 27.80 | 17.12365 | 0.0 | 0.15567 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 74 | 27.80 | 27.70 | 17.12208 | 0.0 | 0.15566 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 75 | 27.70 | 27.60 | 17.12050 | 0.0 | 0.15564 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 76 | 27.60 | 27.50 | 17.11893 | 0.0 | 0.15563 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 77 | 27.50 | 27.40 | 17.11735 | 0.0 | 0.15561 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 78 | 27.40 | 27.30 | 17.11578 | 0.0 | 0.15560 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 79 | 27.30 | 27.20 | 17.11420 | 0.0 | 0.15558 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 80 | 27.20 | 27.10 | 17.11263 | 0.0 | 0.15557 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 81 | 27.10 | 27.00 | 17.11105 | 0.0 | 0.15555 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 82 | 27.00 | 26.90 | 17.10947 | 0.0 | 0.15554 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 83 | 26.90 | 26.80 | 17.10790 | 0.0 | 0.15553 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 84 | 26.80 | 26.70 | 17.10632 | 0.0 | 0.15551 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 85 | 26.70 | 26.60 | 17.10475 | 0.0 | 0.15550 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 86 | 26.60 | 26.50 | 17.10317 | 0.0 | 0.15548 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 87 | 26.50 | 26.40 | 17.10160 | 0.0 | 0.15547 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 88 | 26.40 | 26.30 | 17.10002 | 0.0 | 0.15545 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 89 | 26.30 | 26.20 | 17.09845 | 0.0 | 0.15544 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 90 | 26.20 | 26.10 | 17.09687 | 0.0 | 0.15543 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 91 | 26.10 | 26.00 | 17.09529 | 0.0 | 0.15541 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 92 | 26.00 | 25.90 | 17.09372 | 0.0 | 0.15540 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 93 | 25.90 | 25.80 | 17.09214 | 0.0 | 0.15538 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 94 | 25.80 | 25.70 | 17.09057 | 0.0 | 0.15537 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 95 | 25.70 | 25.60 | 17.08899 | 0.0 | 0.15535 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 96 | 25.60 | 25.50 | 17.08742 | 0.0 | 0.15534 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 97 | 25.50 | 25.40 | 17.08584 | 0.0 | 0.15533 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 98 | 25.40 | 25.30 | 17.08427 | 0.0 | 0.15531 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 99 | 25.30 | 25.20 | 17.08269 | 0.0 | 0.15530 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 25.20 | 25.10 | 17.08112 | 0.0 | 0.15528 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 101 | 25.10 | 25.00 | 17.07954 | 0.0 | 0.15527 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 102 | 25.00 | 24.90 | 17.07796 | 0.0 | 0.15525 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 103 | 24.90 | 24.80 | 17.07639 | 0.0 | 0.15524 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 104 | 24.80 | 24.70 | 17.07481 | 0.0 | 0.15523 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 105 | 24.70 | 24.60 | 17.07324 | 0.0 | 0.15521 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 106 | 24.60 | 24.50 | 17.07166 | 0.0 | 0.15520 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 107 | 24.50 | 24.40 | 17.07009 | 0.0 | 0.15518 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 108 | 24.40 | 24.30 | 17.06851 | 0.0 | 0.15517 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 109 | 24.30 | 24.20 | 17.06694 | 0.0 | 0.15515 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 110 | 24.20 | 24.10 | 17.06536 | 0.0 | 0.15514 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 111 | 24.10 | 24.00 | 17.06379 | 0.0 | 0.15513 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 112 | 24.00 | 23.90 | 17.06221 | 0.0 | 0.15511 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 113 | 23.90 | 23.80 | 17.06063 | 0.0 | 0.15510 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 114 | 23.80 | 23.70 | 17.05906 | 0.0 | 0.15508 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 115 | 23.70 | 23.60 | 17.05748 | 0.0 | 0.15507 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 116 | 23.60 | 23.50 | 17.05591 | 0.0 | 0.15505 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 117 | 23.50 | 23.40 | 17.05433 | 0.0 | 0.15504 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 118 | 23.40 | 23.30 | 17.05276 | 0.0 | 0.15503 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 119 | 23.30 | 23.20 | 17.05118 | 0.0 | 0.15501 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 120 | 23.20 | 23.10 | 17.04961 | 0.0 | 0.15500 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 121 | 23.10 | 23.00 | 17.04803 | 0.0 | 0.15498 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 122 | 23.00 | 22.90 | 17.04646 | 0.0 | 0.15497 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 123 | 22.90 | 22.80 | 17.04488 | 0.0 | 0.15495 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 124 | 22.80 | 22.70 | 17.04330 | 0.0 | 0.15494 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 125 | 22.70 | 22.60 | 17.04173 | 0.0 | 0.15492 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 126 | 22.60 | 22.50 | 17.04015 | 0.0 | 0.15491 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 127 | 22.50 | 22.40 | 17.03858 | 0.0 | 0.15490 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 128 | 22.40 | 22.30 | 17.03700 | 0.0 | 0.15488 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 129 | 22.30 | 22.20 | 17.03543 | 0.0 | 0.15487 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 130 | 22.20 | 22.10 | 17.03385 | 0.0 | 0.15485 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 131 | 22.10 | 22.00 | 17.03228 | 0.0 | 0.15484 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 132 | 22.00 | 21.90 | 17.03070 | 0.0 | 0.15482 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 133 | 21.90 | 21.80 | 17.02913 | 0.0 | 0.15481 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 134 | 21.80 | 21.70 | 17.02755 | 0.0 | 0.15480 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 135 | 21.70 | 21.60 | 17.02597 | 0.0 | 0.15478 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 136 | 21.60 | 21.50 | 17.02440 | 0.0 | 0.15477 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 137 | 21.50 | 21.40 | 17.02282 | 0.0 | 0.15475 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 138 | 21.40 | 21.30 | 17.02125 | 0.0 | 0.15474 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 139 | 21.30 | 21.20 | 17.01967 | 0.0 | 0.15472 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 140 | 21.20 | 21.10 | 17.01810 | 0.0 | 0.15471 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 141 | 21.10 | 21.00 | 17.01652 | 0.0 | 0.15470 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 142 | 21.00 | 20.90 | 17.01495 | 0.0 | 0.15468 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 143 | 20.90 | 20.80 | 17.01337 | 0.0 | 0.15467 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 144 | 20.80 | 20.70 | 17.01180 | 0.0 | 0.15465 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 145 | 20.70 | 20.60 | 17.01022 | 0.0 | 0.15464 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 146 | 20.60 | 20.50 | 17.00864 | 0.0 | 0.15462 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 147 | 20.50 | 20.40 | 17.00707 | 0.0 | 0.15461 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 148 | 20.40 | 20.30 | 17.00549 | 0.0 | 0.15460 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 149 | 20.30 | 20.20 | 17.00392 | 0.0 | 0.15458 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | 20.20 | 20.10 | 17.00234 | 0.0 | 0.15457 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 151 | 20.10 | 20.00 | 17.00077 | 0.0 | 0.15455 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 152 | 20.00 | 19.90 | 16.99919 | 0.0 | 0.15454 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 153 | 19.90 | 19.80 | 16.99762 | 0.0 | 0.15452 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 154 | 19.80 | 19.70 | 16.99604 | 0.0 | 0.15451 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 155 | 19.70 | 19.60 | 16.99446 | 0.0 | 0.15450 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| 156 | 19.60 | 19.50 | 16.99289 | 0.0 | 0.15448 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| 157 | 19.50 | 19.40 | 16.99131 | 0.0 | 0.15447 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| 158 | 19.40 | 19.30 | 16.98974 | 0.0 | 0.15445 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| 159 | 19.30 | 19.20 | 16.98816 | 0.0 | 0.15444 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| 160 | 19.20 | 19.10 | 16.98659 | 0.0 | 0.15442 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 |
| TOT | | | | | 0.95 | | | 1397000.00 | 1397000.00 | | | | | | |
| AVG | | | | 0.1553 | | | 1.00 | 110.00 | | 110.00 | | | | | |
| CUM | | | | | 1.24 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
| 34 | 31.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | 31.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | 31.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 37 | 31.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | 31.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 39 | 31.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | 31.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | 31.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 42 | 30.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 43 | 30.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 44 | 30.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 45 | 30.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 46 | 30.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 47 | 30.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 48 | 30.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 49 | 30.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 50 | 30.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 51 | 30.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 52 | 29.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 53 | 29.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 54 | 29.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 55 | 29.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 56 | 29.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 57 | 29.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 58 | 29.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 59 | 29.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 60 | 29.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 61 | 29.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 62 | 28.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 63 | 28.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 64 | 28.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 65 | 28.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 28.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 28.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 28.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 28.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 28.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 28.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 27.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 27.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 27.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 27.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 27.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 27.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 27.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 27.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 27.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 27.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 26.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 26.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 26.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 26.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 26.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 26.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 26.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 26.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 26.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 26.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 25.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 25.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 25.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 25.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 25.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 25.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 25.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 25.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 25.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 25.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 24.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 24.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 24.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 24.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 24.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 24.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 24.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 24.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 24.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 24.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 23.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 23.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 23.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 23.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 116 | 23.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 23.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 23.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 23.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 23.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 23.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 22.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 22.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 22.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 22.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 22.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 22.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 22.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 22.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 22.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 22.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 21.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 21.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 21.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 21.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 21.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 21.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 21.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 21.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 21.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 21.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 20.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 20.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 20.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 20.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 20.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 20.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 20.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 20.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 20.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 20.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 19.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 19.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 19.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 19.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 19.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 19.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 19.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 19.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 19.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.55 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 31.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.14 | 0.00 | 16.14 | 0.00 | 1.58 | 0.10 | 0.46 | 2.15 | 0.00 | 75.04 | 0.00 | 0. | 0.00 |
| 35 | 31.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.07 | 16.19 | 0.00 | 16.19 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.08 | 0.00 | 0. | 0.00 |
| 36 | 31.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.07 | 16.24 | 0.00 | 16.24 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.12 | 0.00 | 0. | 0.00 |
| 37 | 31.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.06 | 16.30 | 0.00 | 16.30 | 0.00 | 1.59 | 0.10 | 0.45 | 2.15 | 0.00 | 75.16 | 0.00 | 0. | 0.00 |
| 38 | 31.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.06 | 16.35 | 0.00 | 16.35 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.20 | 0.00 | 0. | 0.00 |
| 39 | 31.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.05 | 16.40 | 0.00 | 16.40 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.24 | 0.00 | 0. | 0.00 |
| 40 | 31.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.05 | 16.45 | 0.00 | 16.45 | 0.00 | 1.60 | 0.10 | 0.44 | 2.15 | 0.00 | 75.28 | 0.00 | 0. | 0.00 |
| 41 | 31.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.50 | 0.00 | 16.50 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.31 | 0.00 | 0. | 0.00 |
| 42 | 30.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.55 | 0.00 | 16.55 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.35 | 0.00 | 0. | 0.00 |
| 43 | 30.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.61 | 0.00 | 16.61 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.39 | 0.00 | 0. | 0.00 |
| 44 | 30.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.03 | 16.66 | 0.00 | 16.66 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.43 | 0.00 | 0. | 0.00 |
| 45 | 30.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.03 | 16.71 | 0.00 | 16.71 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.47 | 0.00 | 0. | 0.00 |
| 46 | 30.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.02 | 16.76 | 0.00 | 16.76 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.51 | 0.00 | 0. | 0.00 |
| 47 | 30.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.02 | 16.81 | 0.00 | 16.81 | 0.00 | 1.62 | 0.10 | 0.42 | 2.15 | 0.00 | 75.55 | 0.00 | 0. | 0.00 |
| 48 | 30.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.01 | 16.86 | 0.00 | 16.86 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.59 | 0.00 | 0. | 0.00 |
| 49 | 30.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.01 | 16.91 | 0.00 | 16.91 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.63 | 0.00 | 0. | 0.00 |
| 50 | 30.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 16.96 | 0.00 | 16.96 | 0.00 | 1.63 | 0.10 | 0.41 | 2.15 | 0.00 | 75.67 | 0.00 | 0. | 0.00 |
| 51 | 30.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 17.01 | 0.00 | 17.01 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.71 | 0.00 | 0. | 0.00 |
| 52 | 29.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 17.06 | 0.00 | 17.06 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.75 | 0.00 | 0. | 0.00 |
| 53 | 29.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 17.11 | 0.00 | 17.11 | 0.00 | 1.64 | 0.10 | 0.40 | 2.15 | 0.00 | 75.79 | 0.00 | 0. | 0.00 |
| 54 | 29.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 17.16 | 0.00 | 17.16 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.83 | 0.00 | 0. | 0.00 |
| 55 | 29.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.98 | 17.21 | 0.00 | 17.21 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.87 | 0.00 | 0. | 0.00 |
| 56 | 29.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.98 | 17.25 | 0.00 | 17.25 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.91 | 0.00 | 0. | 0.00 |
| 57 | 29.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.30 | 0.00 | 17.30 | 0.00 | 1.65 | 0.10 | 0.39 | 2.15 | 0.00 | 75.94 | 0.00 | 0. | 0.00 |
| 58 | 29.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.35 | 0.00 | 17.35 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 75.98 | 0.00 | 0. | 0.00 |
| 59 | 29.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.40 | 0.00 | 17.40 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.02 | 0.00 | 0. | 0.00 |
| 60 | 29.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.96 | 17.45 | 0.00 | 17.45 | 0.00 | 1.66 | 0.10 | 0.38 | 2.15 | 0.00 | 76.06 | 0.00 | 0. | 0.00 |
| 61 | 29.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.96 | 17.49 | 0.00 | 17.49 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.10 | 0.00 | 0. | 0.00 |
| 62 | 28.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.54 | 0.00 | 17.54 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.14 | 0.00 | 0. | 0.00 |
| 63 | 28.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.59 | 0.00 | 17.59 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.18 | 0.00 | 0. | 0.00 |
| 64 | 28.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.64 | 0.00 | 17.64 | 0.00 | 1.67 | 0.10 | 0.37 | 2.15 | 0.00 | 76.22 | 0.00 | 0. | 0.00 |
| 65 | 28.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 17.68 | 0.00 | 17.68 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.26 | 0.00 | 0. | 0.00 |
| 66 | 28.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 17.73 | 0.00 | 17.73 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.30 | 0.00 | 0. | 0.00 |
| 67 | 28.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.78 | 0.00 | 17.78 | 0.00 | 1.68 | 0.10 | 0.36 | 2.15 | 0.00 | 76.34 | 0.00 | 0. | 0.00 |
| 68 | 28.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.82 | 0.00 | 17.82 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.38 | 0.00 | 0. | 0.00 |
| 69 | 28.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.87 | 0.00 | 17.87 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.42 | 0.00 | 0. | 0.00 |
| 70 | 28.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.92 | 17.92 | 0.00 | 17.92 | 0.00 | 1.69 | 0.10 | 0.35 | 2.15 | 0.00 | 76.46 | 0.00 | 0. | 0.00 |
| 71 | 28.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.92 | 17.96 | 0.00 | 17.96 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.50 | 0.00 | 0. | 0.00 |
| 72 | 27.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.01 | 0.00 | 18.01 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.54 | 0.00 | 0. | 0.00 |
| 73 | 27.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.06 | 0.00 | 18.06 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.57 | 0.00 | 0. | 0.00 |
| 74 | 27.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.10 | 0.00 | 18.10 | 0.00 | 1.70 | 0.10 | 0.34 | 2.15 | 0.00 | 76.61 | 0.00 | 0. | 0.00 |
| 75 | 27.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.90 | 18.15 | 0.00 | 18.15 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.65 | 0.00 | 0. | 0.00 |
| 76 | 27.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.90 | 18.19 | 0.00 | 18.19 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.69 | 0.00 | 0. | 0.00 |
| 77 | 27.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.24 | 0.00 | 18.24 | 0.00 | 1.71 | 0.10 | 0.33 | 2.15 | 0.00 | 76.73 | 0.00 | 0. | 0.00 |
| 78 | 27.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.28 | 0.00 | 18.28 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.77 | 0.00 | 0. | 0.00 |
| 79 | 27.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.33 | 0.00 | 18.33 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.81 | 0.00 | 0. | 0.00 |
| 80 | 27.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.88 | 18.37 | 0.00 | 18.37 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.85 | 0.00 | 0. | 0.00 |
| 81 | 27.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.88 | 18.42 | 0.00 | 18.42 | 0.00 | 1.72 | 0.10 | 0.32 | 2.15 | 0.00 | 76.89 | 0.00 | 0. | 0.00 |
| 82 | 26.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.46 | 0.00 | 18.46 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.93 | 0.00 | 0. | 0.00 |
| 83 | 26.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.50 | 0.00 | 18.50 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.97 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 26.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.55 | 0.00 | 18.55 | 0.00 | 1.73 | 0.10 | 0.31 | 2.15 | 0.00 | 77.01 | 0.00 | 0. | 0.00 |
| 85 | 26.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.59 | 0.00 | 18.59 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.05 | 0.00 | 0. | 0.00 |
| 86 | 26.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.63 | 0.00 | 18.63 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.09 | 0.00 | 0. | 0.00 |
| 87 | 26.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.68 | 0.00 | 18.68 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.13 | 0.00 | 0. | 0.00 |
| 88 | 26.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.72 | 0.00 | 18.72 | 0.00 | 1.74 | 0.10 | 0.30 | 2.15 | 0.00 | 77.17 | 0.00 | 0. | 0.00 |
| 89 | 26.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.76 | 0.00 | 18.76 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.20 | 0.00 | 0. | 0.00 |
| 90 | 26.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.81 | 0.00 | 18.81 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.24 | 0.00 | 0. | 0.00 |
| 91 | 26.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 18.85 | 0.00 | 18.85 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.28 | 0.00 | 0. | 0.00 |
| 92 | 25.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 18.89 | 0.00 | 18.89 | 0.00 | 1.75 | 0.10 | 0.29 | 2.15 | 0.00 | 77.32 | 0.00 | 0. | 0.00 |
| 93 | 25.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 18.93 | 0.00 | 18.93 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.36 | 0.00 | 0. | 0.00 |
| 94 | 25.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 18.98 | 0.00 | 18.98 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.40 | 0.00 | 0. | 0.00 |
| 95 | 25.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 19.02 | 0.00 | 19.02 | 0.00 | 1.76 | 0.10 | 0.28 | 2.15 | 0.00 | 77.44 | 0.00 | 0. | 0.00 |
| 96 | 25.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.06 | 0.00 | 19.06 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.48 | 0.00 | 0. | 0.00 |
| 97 | 25.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.10 | 0.00 | 19.10 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.52 | 0.00 | 0. | 0.00 |
| 98 | 25.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.14 | 0.00 | 19.14 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.56 | 0.00 | 0. | 0.00 |
| 99 | 25.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.19 | 0.00 | 19.19 | 0.00 | 1.77 | 0.10 | 0.27 | 2.15 | 0.00 | 77.60 | 0.00 | 0. | 0.00 |
| 100 | 25.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.23 | 0.00 | 19.23 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.64 | 0.00 | 0. | 0.00 |
| 101 | 25.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.27 | 0.00 | 19.27 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.68 | 0.00 | 0. | 0.00 |
| 102 | 24.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.31 | 0.00 | 19.31 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.72 | 0.00 | 0. | 0.00 |
| 103 | 24.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.35 | 0.00 | 19.35 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.76 | 0.00 | 0. | 0.00 |
| 104 | 24.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.39 | 0.00 | 19.39 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.80 | 0.00 | 0. | 0.00 |
| 105 | 24.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.43 | 0.00 | 19.43 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.83 | 0.00 | 0. | 0.00 |
| 106 | 24.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.47 | 0.00 | 19.47 | 0.00 | 1.79 | 0.10 | 0.25 | 2.15 | 0.00 | 77.87 | 0.00 | 0. | 0.00 |
| 107 | 24.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.51 | 0.00 | 19.51 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.91 | 0.00 | 0. | 0.00 |
| 108 | 24.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.55 | 0.00 | 19.55 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.95 | 0.00 | 0. | 0.00 |
| 109 | 24.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.59 | 0.00 | 19.59 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.99 | 0.00 | 0. | 0.00 |
| 110 | 24.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.63 | 0.00 | 19.63 | 0.00 | 1.80 | 0.10 | 0.24 | 2.15 | 0.00 | 78.03 | 0.00 | 0. | 0.00 |
| 111 | 24.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.67 | 0.00 | 19.67 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.07 | 0.00 | 0. | 0.00 |
| 112 | 23.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.71 | 0.00 | 19.71 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.11 | 0.00 | 0. | 0.00 |
| 113 | 23.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.75 | 0.00 | 19.75 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.15 | 0.00 | 0. | 0.00 |
| 114 | 23.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.79 | 0.00 | 19.79 | 0.00 | 1.81 | 0.10 | 0.23 | 2.15 | 0.00 | 78.19 | 0.00 | 0. | 0.00 |
| 115 | 23.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.83 | 0.00 | 19.83 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.23 | 0.00 | 0. | 0.00 |
| 116 | 23.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.87 | 0.00 | 19.87 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.27 | 0.00 | 0. | 0.00 |
| 117 | 23.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.91 | 0.00 | 19.91 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.31 | 0.00 | 0. | 0.00 |
| 118 | 23.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.95 | 0.00 | 19.95 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.35 | 0.00 | 0. | 0.00 |
| 119 | 23.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.98 | 0.00 | 19.98 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.39 | 0.00 | 0. | 0.00 |
| 120 | 23.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.02 | 0.00 | 20.02 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.43 | 0.00 | 0. | 0.00 |
| 121 | 23.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.06 | 0.00 | 20.06 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.46 | 0.00 | 0. | 0.00 |
| 122 | 22.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.10 | 0.00 | 20.10 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.50 | 0.00 | 0. | 0.00 |
| 123 | 22.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.14 | 0.00 | 20.14 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.54 | 0.00 | 0. | 0.00 |
| 124 | 22.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.17 | 0.00 | 20.17 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.58 | 0.00 | 0. | 0.00 |
| 125 | 22.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.21 | 0.00 | 20.21 | 0.00 | 1.84 | 0.10 | 0.20 | 2.15 | 0.00 | 78.62 | 0.00 | 0. | 0.00 |
| 126 | 22.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.25 | 0.00 | 20.25 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.66 | 0.00 | 0. | 0.00 |
| 127 | 22.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.29 | 0.00 | 20.29 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.70 | 0.00 | 0. | 0.00 |
| 128 | 22.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.32 | 0.00 | 20.32 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.74 | 0.00 | 0. | 0.00 |
| 129 | 22.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.36 | 0.00 | 20.36 | 0.00 | 1.85 | 0.10 | 0.19 | 2.15 | 0.00 | 78.78 | 0.00 | 0. | 0.00 |
| 130 | 22.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.40 | 0.00 | 20.40 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.82 | 0.00 | 0. | 0.00 |
| 131 | 22.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.44 | 0.00 | 20.44 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.86 | 0.00 | 0. | 0.00 |
| 132 | 21.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.47 | 0.00 | 20.47 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.90 | 0.00 | 0. | 0.00 |
| 133 | 21.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.51 | 0.00 | 20.51 | 0.00 | 1.86 | 0.11 | 0.18 | 2.15 | 0.00 | 78.94 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | 21.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.55 | 0.00 | 20.55 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 78.98 | 0.00 | 0. | 0.00 |
| 135 | 21.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.58 | 0.00 | 20.58 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.02 | 0.00 | 0. | 0.00 |
| 136 | 21.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.62 | 0.00 | 20.62 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.06 | 0.00 | 0. | 0.00 |
| 137 | 21.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.65 | 0.00 | 20.65 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.09 | 0.00 | 0. | 0.00 |
| 138 | 21.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.69 | 0.00 | 20.69 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.13 | 0.00 | 0. | 0.00 |
| 139 | 21.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.73 | 0.00 | 20.73 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.17 | 0.00 | 0. | 0.00 |
| 140 | 21.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.76 | 0.00 | 20.76 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.21 | 0.00 | 0. | 0.00 |
| 141 | 21.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.80 | 0.00 | 20.80 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.25 | 0.00 | 0. | 0.00 |
| 142 | 20.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.83 | 0.00 | 20.83 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.29 | 0.00 | 0. | 0.00 |
| 143 | 20.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.87 | 0.00 | 20.87 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.33 | 0.00 | 0. | 0.00 |
| 144 | 20.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.90 | 0.00 | 20.90 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.37 | 0.00 | 0. | 0.00 |
| 145 | 20.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.94 | 0.00 | 20.94 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.41 | 0.00 | 0. | 0.00 |
| 146 | 20.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.97 | 0.00 | 20.97 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.45 | 0.00 | 0. | 0.00 |
| 147 | 20.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 21.01 | 0.00 | 21.01 | 0.00 | 1.90 | 0.11 | 0.15 | 2.15 | 0.00 | 79.49 | 0.00 | 0. | 0.00 |
| 148 | 20.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.04 | 0.00 | 21.04 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.53 | 0.00 | 0. | 0.00 |
| 149 | 20.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.08 | 0.00 | 21.08 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.57 | 0.00 | 0. | 0.00 |
| 150 | 20.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.11 | 0.00 | 21.11 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.61 | 0.00 | 0. | 0.00 |
| 151 | 20.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.14 | 0.00 | 21.14 | 0.00 | 1.91 | 0.11 | 0.14 | 2.15 | 0.00 | 79.65 | 0.00 | 0. | 0.00 |
| 152 | 19.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.18 | 0.00 | 21.18 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.69 | 0.00 | 0. | 0.00 |
| 153 | 19.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.21 | 0.00 | 21.21 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.72 | 0.00 | 0. | 0.00 |
| 154 | 19.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.25 | 0.00 | 21.25 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.76 | 0.00 | 0. | 0.00 |
| 155 | 19.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.13 | 2.15 | 0.00 | 79.80 | 0.00 | 0. | 0.00 |
| 156 | 19.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.84 | 0.00 | 0. | 0.00 |
| 157 | 19.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.35 | 0.00 | 21.35 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.88 | 0.00 | 0. | 0.00 |
| 158 | 19.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.38 | 0.00 | 21.38 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.92 | 0.00 | 0. | 0.00 |
| 159 | 19.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.41 | 0.00 | 21.41 | 0.00 | 1.93 | 0.11 | 0.12 | 2.15 | 0.00 | 79.96 | 0.00 | 0. | 0.00 |
| 160 | 19.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 80.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 3 120401-G to Turtle Bayou Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | UPR RCH | 16.98659 | 31.80 | 0.00 | 0.00 | 0.00 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 0.00 | 80.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00962 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01346 | | | | | | | | | | | | | | | | |
| 161 | WSTLD | -3.75680 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 0.00 | 79.62 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 19.10 | 19.00 | 13.22594 | 0.0 | 0.08312 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 162 | 19.00 | 18.90 | 13.22209 | 0.0 | 0.08310 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 163 | 18.90 | 18.80 | 13.21825 | 0.0 | 0.08307 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 164 | 18.80 | 18.70 | 13.21440 | 0.0 | 0.08305 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 165 | 18.70 | 18.60 | 13.21056 | 0.0 | 0.08302 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 166 | 18.60 | 18.50 | 13.20671 | 0.0 | 0.08300 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 167 | 18.50 | 18.40 | 13.20286 | 0.0 | 0.08297 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 168 | 18.40 | 18.30 | 13.19902 | 0.0 | 0.08295 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 169 | 18.30 | 18.20 | 13.19517 | 0.0 | 0.08293 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 170 | 18.20 | 18.10 | 13.19133 | 0.0 | 0.08290 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 171 | 18.10 | 18.00 | 13.18748 | 0.0 | 0.08288 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 172 | 18.00 | 17.90 | 13.18363 | 0.0 | 0.08285 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 173 | 17.90 | 17.80 | 13.17979 | 0.0 | 0.08283 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 174 | 17.80 | 17.70 | 13.17594 | 0.0 | 0.08281 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 175 | 17.70 | 17.60 | 13.17209 | 0.0 | 0.08278 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 176 | 17.60 | 17.50 | 13.16825 | 0.0 | 0.08276 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 177 | 17.50 | 17.40 | 13.16440 | 0.0 | 0.08273 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 178 | 17.40 | 17.30 | 13.16056 | 0.0 | 0.08271 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 179 | 17.30 | 17.20 | 13.15671 | 0.0 | 0.08268 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 180 | 17.20 | 17.10 | 13.15286 | 0.0 | 0.08266 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 181 | 17.10 | 17.00 | 13.14902 | 0.0 | 0.08264 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 182 | 17.00 | 16.90 | 13.14517 | 0.0 | 0.08261 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 183 | 16.90 | 16.80 | 13.14132 | 0.0 | 0.08259 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 184 | 16.80 | 16.70 | 13.13748 | 0.0 | 0.08256 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 185 | 16.70 | 16.60 | 13.13363 | 0.0 | 0.08254 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 186 | 16.60 | 16.50 | 13.12979 | 0.0 | 0.08252 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 187 | 16.50 | 16.40 | 13.12594 | 0.0 | 0.08249 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 188 | 16.40 | 16.30 | 13.12209 | 0.0 | 0.08247 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 189 | 16.30 | 16.20 | 13.11825 | 0.0 | 0.08244 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 190 | 16.20 | 16.10 | 13.11440 | 0.0 | 0.08242 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 191 | 16.10 | 16.00 | 13.11056 | 0.0 | 0.08239 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 192 | 16.00 | 15.90 | 13.10671 | 0.0 | 0.08237 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 193 | 15.90 | 15.80 | 13.10286 | 0.0 | 0.08235 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 194 | 15.80 | 15.70 | 13.09902 | 0.0 | 0.08232 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 195 | 15.70 | 15.60 | 13.09517 | 0.0 | 0.08230 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 196 | 15.60 | 15.50 | 13.09132 | 0.0 | 0.08227 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 197 | 15.50 | 15.40 | 13.08748 | 0.0 | 0.08225 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 198 | 15.40 | 15.30 | 13.08363 | 0.0 | 0.08222 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 199 | 15.30 | 15.20 | 13.07979 | 0.0 | 0.08220 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 200 | 15.20 | 15.10 | 13.07594 | 0.0 | 0.08218 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 201 | 15.10 | 15.00 | 13.07209 | 0.0 | 0.08215 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 202 | 15.00 | 14.90 | 13.06825 | 0.0 | 0.08213 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 203 | 14.90 | 14.80 | 13.06440 | 0.0 | 0.08210 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 204 | 14.80 | 14.70 | 13.06056 | 0.0 | 0.08208 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 205 | 14.70 | 14.60 | 13.05671 | 0.0 | 0.08206 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 206 | 14.60 | 14.50 | 13.05286 | 0.0 | 0.08203 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 207 | 14.50 | 14.40 | 13.04902 | 0.0 | 0.08201 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 208 | 14.40 | 14.30 | 13.04517 | 0.0 | 0.08198 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 209 | 14.30 | 14.20 | 13.04132 | 0.0 | 0.08196 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 210 | 14.20 | 14.10 | 13.03748 | 0.0 | 0.08193 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 211 | 14.10 | 14.00 | 13.03363 | 0.0 | 0.08191 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 212 | 14.00 | 13.90 | 13.02979 | 0.0 | 0.08189 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| TOT | | | | | 0.73 | | | 827424.00 | 468000.00 | | | | | | |
| AVG | | | | 0.0825 | | | 1.77 | 90.00 | | | 159.12 | | | | |
| CUM | | | | | 1.97 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 161 | 19.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 162 | 18.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 18.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 18.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 18.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 18.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 18.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 18.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 18.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 18.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 18.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 17.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 17.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 17.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 17.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 17.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 17.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 17.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 17.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 17.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 17.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 16.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 16.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 16.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 16.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 16.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 16.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 16.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 16.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 16.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 16.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 15.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 15.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 15.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 15.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 15.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 15.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 15.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 15.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 15.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 15.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 14.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 14.800 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 14.700 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 14.600 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 14.500 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 14.400 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 14.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 14.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 14.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 14.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |

212 13.900 7.33 0.59 0.09 0.00 0.00 0.00 0.00 0.00 3.15 3.15 3.15 0.03 0.00 0.38 0.00 0.00 0.00 5.16 0.00 0.00 0.00 0.00
AVG 20 DEG C RATE 0.48 0.05 0.00 0.00 0.00 0.00 0.00 1.50 0.02 0.00 0.15 0.00 0.00 0.00 0.00 0.00 0.00
* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 19.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 79.62 | 0.00 | 0. | 0.00 |
| 162 | 18.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 21.38 | 0.00 | 21.38 | 0.00 | 1.93 | 0.11 | 0.11 | 2.14 | 0.00 | 79.23 | 0.00 | 0. | 0.00 |
| 163 | 18.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 21.35 | 0.00 | 21.35 | 0.00 | 1.93 | 0.11 | 0.10 | 2.14 | 0.00 | 78.85 | 0.00 | 0. | 0.00 |
| 164 | 18.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.10 | 2.13 | 0.00 | 78.46 | 0.00 | 0. | 0.00 |
| 165 | 18.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 78.08 | 0.00 | 0. | 0.00 |
| 166 | 18.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 21.25 | 0.00 | 21.25 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 77.69 | 0.00 | 0. | 0.00 |
| 167 | 18.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 21.21 | 0.00 | 21.21 | 0.00 | 1.92 | 0.11 | 0.09 | 2.11 | 0.00 | 77.31 | 0.00 | 0. | 0.00 |
| 168 | 18.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 21.18 | 0.00 | 21.18 | 0.00 | 1.92 | 0.11 | 0.08 | 2.11 | 0.00 | 76.92 | 0.00 | 0. | 0.00 |
| 169 | 18.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.09 | 21.15 | 0.00 | 21.15 | 0.00 | 1.92 | 0.11 | 0.08 | 2.10 | 0.00 | 76.54 | 0.00 | 0. | 0.00 |
| 170 | 18.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.14 | 21.11 | 0.00 | 21.11 | 0.00 | 1.92 | 0.11 | 0.07 | 2.10 | 0.00 | 76.15 | 0.00 | 0. | 0.00 |
| 171 | 18.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.19 | 21.08 | 0.00 | 21.08 | 0.00 | 1.92 | 0.11 | 0.07 | 2.09 | 0.00 | 75.77 | 0.00 | 0. | 0.00 |
| 172 | 17.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.23 | 21.05 | 0.00 | 21.05 | 0.00 | 1.91 | 0.11 | 0.07 | 2.09 | 0.00 | 75.38 | 0.00 | 0. | 0.00 |
| 173 | 17.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.28 | 21.01 | 0.00 | 21.01 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 75.00 | 0.00 | 0. | 0.00 |
| 174 | 17.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.32 | 20.98 | 0.00 | 20.98 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 74.62 | 0.00 | 0. | 0.00 |
| 175 | 17.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.37 | 20.95 | 0.00 | 20.95 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 74.23 | 0.00 | 0. | 0.00 |
| 176 | 17.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.41 | 20.91 | 0.00 | 20.91 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 73.85 | 0.00 | 0. | 0.00 |
| 177 | 17.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.45 | 20.88 | 0.00 | 20.88 | 0.00 | 1.91 | 0.11 | 0.05 | 2.06 | 0.00 | 73.46 | 0.00 | 0. | 0.00 |
| 178 | 17.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.49 | 20.85 | 0.00 | 20.85 | 0.00 | 1.91 | 0.11 | 0.04 | 2.06 | 0.00 | 73.08 | 0.00 | 0. | 0.00 |
| 179 | 17.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.53 | 20.82 | 0.00 | 20.82 | 0.00 | 1.91 | 0.11 | 0.04 | 2.05 | 0.00 | 72.69 | 0.00 | 0. | 0.00 |
| 180 | 17.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.57 | 20.78 | 0.00 | 20.78 | 0.00 | 1.91 | 0.11 | 0.03 | 2.05 | 0.00 | 72.31 | 0.00 | 0. | 0.00 |
| 181 | 17.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.61 | 20.75 | 0.00 | 20.75 | 0.00 | 1.90 | 0.11 | 0.03 | 2.05 | 0.00 | 71.92 | 0.00 | 0. | 0.00 |
| 182 | 16.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.65 | 20.72 | 0.00 | 20.72 | 0.00 | 1.90 | 0.11 | 0.03 | 2.04 | 0.00 | 71.54 | 0.00 | 0. | 0.00 |
| 183 | 16.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.69 | 20.68 | 0.00 | 20.68 | 0.00 | 1.90 | 0.11 | 0.02 | 2.04 | 0.00 | 71.15 | 0.00 | 0. | 0.00 |
| 184 | 16.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.72 | 20.65 | 0.00 | 20.65 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.77 | 0.00 | 0. | 0.00 |
| 185 | 16.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.76 | 20.62 | 0.00 | 20.62 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.38 | 0.00 | 0. | 0.00 |
| 186 | 16.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.80 | 20.59 | 0.00 | 20.59 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 70.00 | 0.00 | 0. | 0.00 |
| 187 | 16.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.83 | 20.55 | 0.00 | 20.55 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 69.62 | 0.00 | 0. | 0.00 |
| 188 | 16.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.86 | 20.52 | 0.00 | 20.52 | 0.00 | 1.90 | 0.11 | 0.01 | 2.01 | 0.00 | 69.23 | 0.00 | 0. | 0.00 |
| 189 | 16.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.90 | 20.49 | 0.00 | 20.49 | 0.00 | 1.90 | 0.11 | 0.00 | 2.01 | 0.00 | 68.85 | 0.00 | 0. | 0.00 |
| 190 | 16.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.93 | 20.46 | 0.00 | 20.46 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.46 | 0.00 | 0. | 0.00 |
| 191 | 16.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.96 | 20.42 | 0.00 | 20.42 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.08 | 0.00 | 0. | 0.00 |
| 192 | 15.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.99 | 20.39 | 0.00 | 20.39 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.69 | 0.00 | 0. | 0.00 |
| 193 | 15.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.02 | 20.36 | 0.00 | 20.36 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.31 | 0.00 | 0. | 0.00 |
| 194 | 15.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.05 | 20.33 | 0.00 | 20.33 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.92 | 0.00 | 0. | 0.00 |
| 195 | 15.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.08 | 20.30 | 0.00 | 20.30 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.54 | 0.00 | 0. | 0.00 |
| 196 | 15.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.11 | 20.26 | 0.00 | 20.26 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.15 | 0.00 | 0. | 0.00 |
| 197 | 15.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.14 | 20.23 | 0.00 | 20.23 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.77 | 0.00 | 0. | 0.00 |
| 198 | 15.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.16 | 20.20 | 0.00 | 20.20 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.38 | 0.00 | 0. | 0.00 |
| 199 | 15.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.19 | 20.17 | 0.00 | 20.17 | 0.00 | 1.88 | 0.11 | 0.00 | 2.00 | 0.00 | 65.00 | 0.00 | 0. | 0.00 |
| 200 | 15.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.21 | 20.14 | 0.00 | 20.14 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.62 | 0.00 | 0. | 0.00 |
| 201 | 15.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.24 | 20.10 | 0.00 | 20.10 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.23 | 0.00 | 0. | 0.00 |
| 202 | 14.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.26 | 20.07 | 0.00 | 20.07 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.85 | 0.00 | 0. | 0.00 |
| 203 | 14.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.29 | 20.04 | 0.00 | 20.04 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.46 | 0.00 | 0. | 0.00 |
| 204 | 14.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.31 | 20.01 | 0.00 | 20.01 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.08 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 14.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.33 | 19.98 | 0.00 | 19.98 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.69 | 0.00 | 0. | 0.00 |
| 206 | 14.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 19.95 | 0.00 | 19.95 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.31 | 0.00 | 0. | 0.00 |
| 207 | 14.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 19.91 | 0.00 | 19.91 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.92 | 0.00 | 0. | 0.00 |
| 208 | 14.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.39 | 19.88 | 0.00 | 19.88 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.54 | 0.00 | 0. | 0.00 |
| 209 | 14.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.41 | 19.85 | 0.00 | 19.85 | 0.00 | 1.87 | 0.11 | 0.00 | 1.99 | 0.00 | 61.15 | 0.00 | 0. | 0.00 |
| 210 | 14.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.43 | 19.82 | 0.00 | 19.82 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.77 | 0.00 | 0. | 0.00 |
| 211 | 14.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.45 | 19.78 | 0.00 | 19.78 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.38 | 0.00 | 0. | 0.00 |
| 212 | 13.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 4 Turtle Bayou to Carenero Bayou Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | UPR RCH | 13.02979 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 0.00 | 60.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01250 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01750 | | | | | | | | | | | | | | | | |
| 213 | WSTLD | 1.69902 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 3.40 | 0.00 | 3.40 | 0.00 | 2.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 13.90 | 13.80 | 14.72381 | 11.5 | 0.05373 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 214 | 13.80 | 13.70 | 14.71881 | 11.5 | 0.05371 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 215 | 13.70 | 13.60 | 14.71381 | 11.5 | 0.05369 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 216 | 13.60 | 13.50 | 14.70881 | 11.5 | 0.05367 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 217 | 13.50 | 13.40 | 14.70381 | 11.5 | 0.05366 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 218 | 13.40 | 13.30 | 14.69881 | 11.5 | 0.05364 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 219 | 13.30 | 13.20 | 14.69381 | 11.5 | 0.05362 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 220 | 13.20 | 13.10 | 14.68881 | 11.5 | 0.05360 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 221 | 13.10 | 13.00 | 14.68381 | 11.4 | 0.05358 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 222 | 13.00 | 12.90 | 14.67881 | 11.4 | 0.05356 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 223 | 12.90 | 12.80 | 14.67381 | 11.4 | 0.05355 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 224 | 12.80 | 12.70 | 14.66881 | 11.4 | 0.05353 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 225 | 12.70 | 12.60 | 14.66381 | 11.4 | 0.05351 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 226 | 12.60 | 12.50 | 14.65880 | 11.4 | 0.05349 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 227 | 12.50 | 12.40 | 14.65380 | 11.4 | 0.05347 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 228 | 12.40 | 12.30 | 14.64880 | 11.4 | 0.05345 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 229 | 12.30 | 12.20 | 14.64380 | 11.4 | 0.05344 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 230 | 12.20 | 12.10 | 14.63880 | 11.4 | 0.05342 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 231 | 12.10 | 12.00 | 14.63380 | 11.4 | 0.05340 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 232 | 12.00 | 11.90 | 14.62880 | 11.3 | 0.05338 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 233 | 11.90 | 11.80 | 14.62380 | 11.3 | 0.05336 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 234 | 11.80 | 11.70 | 14.61880 | 11.3 | 0.05335 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 235 | 11.70 | 11.60 | 14.61380 | 11.3 | 0.05333 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 236 | 11.60 | 11.50 | 14.60880 | 11.3 | 0.05331 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 237 | 11.50 | 11.40 | 14.60380 | 11.3 | 0.05329 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 238 | 11.40 | 11.30 | 14.59880 | 11.3 | 0.05327 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 239 | 11.30 | 11.20 | 14.59380 | 11.3 | 0.05325 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 240 | 11.20 | 11.10 | 14.58880 | 11.3 | 0.05324 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 241 | 11.10 | 11.00 | 14.58380 | 11.3 | 0.05322 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 242 | 11.00 | 10.90 | 14.57880 | 11.2 | 0.05320 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 243 | 10.90 | 10.80 | 14.57380 | 11.2 | 0.05318 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 244 | 10.80 | 10.70 | 14.56880 | 11.2 | 0.05316 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 245 | 10.70 | 10.60 | 14.56380 | 11.2 | 0.05314 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 246 | 10.60 | 10.50 | 14.55880 | 11.2 | 0.05313 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 247 | 10.50 | 10.40 | 14.55380 | 11.2 | 0.05311 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 248 | 10.40 | 10.30 | 14.54880 | 11.2 | 0.05309 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 249 | 10.30 | 10.20 | 14.54380 | 11.2 | 0.05307 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 250 | 10.20 | 10.10 | 14.53880 | 11.2 | 0.05305 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 251 | 10.10 | 10.00 | 14.53380 | 11.2 | 0.05304 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| 252 | 10.00 | 9.90 | 14.52880 | 11.1 | 0.05302 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | | | |
| TOT | | | | | 0.87 | | | 1096160.00 | 620000.00 | | | | | | | | | | | | | | | |
| AVG | | | | 0.0534 | | | 1.77 | 155.00 | | | 274.04 | | | | | | | | | | | | | |
| CUM | | | | | 2.84 | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | ABOD#2 SETT | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 213 | 13.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 13.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 13.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 13.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 13.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 13.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 13.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 13.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 13.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 12.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 12.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 12.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 12.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 12.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 12.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 12.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 12.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 12.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 12.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 11.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 11.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 11.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 11.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 11.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 11.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 11.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 11.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 11.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 11.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 10.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 10.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 10.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245 | 10.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 10.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 10.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 10.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 10.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 10.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 10.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 9.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 13.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.22 | 17.83 | 0.00 | 17.83 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.50 | 0.00 | | 0. | 0.00 |
| 214 | 13.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.25 | 17.79 | 0.00 | 17.79 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.00 | 0.00 | | 0. | 0.00 |
| 215 | 13.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.29 | 17.75 | 0.00 | 17.75 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 58.50 | 0.00 | | 0. | 0.00 |
| 216 | 13.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.32 | 17.71 | 0.00 | 17.71 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 58.00 | 0.00 | | 0. | 0.00 |
| 217 | 13.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 17.67 | 0.00 | 17.67 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.50 | 0.00 | | 0. | 0.00 |
| 218 | 13.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 17.63 | 0.00 | 17.63 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.00 | 0.00 | | 0. | 0.00 |
| 219 | 13.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.40 | 17.59 | 0.00 | 17.59 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.50 | 0.00 | | 0. | 0.00 |
| 220 | 13.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.43 | 17.56 | 0.00 | 17.56 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.00 | 0.00 | | 0. | 0.00 |
| 221 | 13.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.45 | 17.52 | 0.00 | 17.52 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.50 | 0.00 | | 0. | 0.00 |
| 222 | 12.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.48 | 17.48 | 0.00 | 17.48 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.00 | 0.00 | | 0. | 0.00 |
| 223 | 12.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.50 | 17.44 | 0.00 | 17.44 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 54.50 | 0.00 | | 0. | 0.00 |
| 224 | 12.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.52 | 17.40 | 0.00 | 17.40 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 54.00 | 0.00 | | 0. | 0.00 |
| 225 | 12.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.54 | 17.36 | 0.00 | 17.36 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 53.50 | 0.00 | | 0. | 0.00 |
| 226 | 12.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.56 | 17.32 | 0.00 | 17.32 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 227 | 12.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.58 | 17.29 | 0.00 | 17.29 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.50 | 0.00 | | 0. | 0.00 |
| 228 | 12.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.59 | 17.25 | 0.00 | 17.25 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.00 | 0.00 | | 0. | 0.00 |
| 229 | 12.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.61 | 17.21 | 0.00 | 17.21 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.50 | 0.00 | | 0. | 0.00 |
| 230 | 12.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.63 | 17.17 | 0.00 | 17.17 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.00 | 0.00 | | 0. | 0.00 |
| 231 | 12.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.64 | 17.13 | 0.00 | 17.13 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.50 | 0.00 | | 0. | 0.00 |
| 232 | 11.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.65 | 17.09 | 0.00 | 17.09 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.00 | 0.00 | | 0. | 0.00 |
| 233 | 11.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.67 | 17.06 | 0.00 | 17.06 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.50 | 0.00 | | 0. | 0.00 |
| 234 | 11.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.68 | 17.02 | 0.00 | 17.02 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.00 | 0.00 | | 0. | 0.00 |
| 235 | 11.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.69 | 16.98 | 0.00 | 16.98 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.50 | 0.00 | | 0. | 0.00 |
| 236 | 11.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.94 | 0.00 | 16.94 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.00 | 0.00 | | 0. | 0.00 |
| 237 | 11.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.91 | 0.00 | 16.91 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 47.50 | 0.00 | | 0. | 0.00 |
| 238 | 11.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.87 | 0.00 | 16.87 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 47.00 | 0.00 | | 0. | 0.00 |
| 239 | 11.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.83 | 0.00 | 16.83 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 46.50 | 0.00 | | 0. | 0.00 |
| 240 | 11.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.79 | 0.00 | 16.79 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 46.00 | 0.00 | | 0. | 0.00 |
| 241 | 11.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.76 | 0.00 | 16.76 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.50 | 0.00 | | 0. | 0.00 |
| 242 | 10.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.72 | 0.00 | 16.72 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.00 | 0.00 | | 0. | 0.00 |
| 243 | 10.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.68 | 0.00 | 16.68 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.50 | 0.00 | | 0. | 0.00 |
| 244 | 10.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.65 | 0.00 | 16.65 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.00 | 0.00 | | 0. | 0.00 |
| 245 | 10.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.74 | 16.61 | 0.00 | 16.61 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 43.50 | 0.00 | | 0. | 0.00 |
| 246 | 10.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.74 | 16.57 | 0.00 | 16.57 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 43.00 | 0.00 | | 0. | 0.00 |
| 247 | 10.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.54 | 0.00 | 16.54 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.50 | 0.00 | | 0. | 0.00 |
| 248 | 10.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.50 | 0.00 | 16.50 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.00 | 0.00 | | 0. | 0.00 |
| 249 | 10.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.46 | 0.00 | 16.46 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.50 | 0.00 | | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 10.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.43 | 0.00 | 16.43 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.00 | 0.00 | 0. | 0.00 |
| 251 | 10.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.39 | 0.00 | 16.39 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.50 | 0.00 | 0. | 0.00 |
| 252 | 9.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 5 Carenero Bayou to un canal 2 Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | UPR RCH | 14.52880 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00794 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01111 | | | | | | | | | | | | | | | | |
| 253 | WSTLD | -9.21150 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 0.00 | 39.75 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 9.90 | 9.80 | 5.31413 | 11.1 | 0.03340 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 254 | 9.80 | 9.70 | 5.31095 | 11.1 | 0.03338 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 255 | 9.70 | 9.60 | 5.30778 | 11.1 | 0.03336 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 256 | 9.60 | 9.50 | 5.30460 | 11.1 | 0.03334 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 257 | 9.50 | 9.40 | 5.30143 | 11.1 | 0.03332 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 258 | 9.40 | 9.30 | 5.29825 | 11.1 | 0.03330 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 259 | 9.30 | 9.20 | 5.29508 | 11.0 | 0.03328 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 260 | 9.20 | 9.10 | 5.29190 | 11.0 | 0.03326 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 261 | 9.10 | 9.00 | 5.28873 | 11.0 | 0.03324 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 262 | 9.00 | 8.90 | 5.28555 | 11.0 | 0.03322 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 263 | 8.90 | 8.80 | 5.28238 | 11.0 | 0.03320 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 264 | 8.80 | 8.70 | 5.27920 | 11.0 | 0.03318 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 265 | 8.70 | 8.60 | 5.27603 | 10.9 | 0.03316 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 266 | 8.60 | 8.50 | 5.27285 | 10.9 | 0.03314 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 267 | 8.50 | 8.40 | 5.26968 | 10.9 | 0.03312 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 268 | 8.40 | 8.30 | 5.26651 | 10.9 | 0.03310 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 269 | 8.30 | 8.20 | 5.26333 | 10.9 | 0.03308 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 270 | 8.20 | 8.10 | 5.26016 | 10.9 | 0.03306 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 271 | 8.10 | 8.00 | 5.25698 | 10.8 | 0.03304 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 272 | 8.00 | 7.90 | 5.25381 | 10.8 | 0.03302 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 273 | 7.90 | 7.80 | 5.25063 | 10.8 | 0.03300 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 274 | 7.80 | 7.70 | 5.24746 | 10.8 | 0.03298 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 275 | 7.70 | 7.60 | 5.24428 | 10.8 | 0.03296 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 276 | 7.60 | 7.50 | 5.24111 | 10.8 | 0.03294 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 277 | 7.50 | 7.40 | 5.23793 | 10.7 | 0.03292 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 278 | 7.40 | 7.30 | 5.23476 | 10.7 | 0.03290 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 279 | 7.30 | 7.20 | 5.23158 | 10.7 | 0.03288 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 280 | 7.20 | 7.10 | 5.22841 | 10.7 | 0.03286 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 281 | 7.10 | 7.00 | 5.22523 | 10.7 | 0.03284 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 282 | 7.00 | 6.90 | 5.22206 | 10.7 | 0.03282 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 283 | 6.90 | 6.80 | 5.21888 | 10.6 | 0.03280 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 284 | 6.80 | 6.70 | 5.21571 | 10.6 | 0.03278 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 285 | 6.70 | 6.60 | 5.21253 | 10.6 | 0.03276 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 286 | 6.60 | 6.50 | 5.20936 | 10.6 | 0.03274 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 287 | 6.50 | 6.40 | 5.20618 | 10.6 | 0.03272 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 288 | 6.40 | 6.30 | 5.20301 | 10.6 | 0.03270 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 289 | 6.30 | 6.20 | 5.19983 | 10.6 | 0.03268 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 290 | 6.20 | 6.10 | 5.19666 | 10.5 | 0.03266 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 291 | 6.10 | 6.00 | 5.19349 | 10.5 | 0.03264 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 292 | 6.00 | 5.90 | 5.19031 | 10.5 | 0.03262 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 293 | 5.90 | 5.80 | 5.18714 | 10.5 | 0.03260 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 294 | 5.80 | 5.70 | 5.18396 | 10.5 | 0.03258 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 295 | 5.70 | 5.60 | 5.18079 | 10.5 | 0.03256 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 296 | 5.60 | 5.50 | 5.17761 | 10.4 | 0.03254 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 297 | 5.50 | 5.40 | 5.17444 | 10.4 | 0.03252 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 298 | 5.40 | 5.30 | 5.17126 | 10.4 | 0.03250 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 299 | 5.30 | 5.20 | 5.16809 | 10.4 | 0.03248 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 300 | 5.20 | 5.10 | 5.16491 | 10.4 | 0.03246 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 301 | 5.10 | 5.00 | 5.16174 | 10.4 | 0.03244 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 302 | 5.00 | 4.90 | 5.15856 | 10.3 | 0.03242 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 303 | 4.90 | 4.80 | 5.15539 | 10.3 | 0.03240 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 304 | 4.80 | 4.70 | 5.15221 | 10.3 | 0.03238 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 305 | 4.70 | 4.60 | 5.14904 | 10.3 | 0.03236 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 306 | 4.60 | 4.50 | 5.14586 | 10.3 | 0.03234 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 307 | 4.50 | 4.40 | 5.14269 | 10.3 | 0.03232 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 308 | 4.40 | 4.30 | 5.13951 | 10.3 | 0.03230 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 309 | 4.30 | 4.20 | 5.13634 | 10.2 | 0.03228 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 310 | 4.20 | 4.10 | 5.13316 | 10.2 | 0.03226 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 311 | 4.10 | 4.00 | 5.12999 | 10.2 | 0.03224 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 312 | 4.00 | 3.90 | 5.12681 | 10.2 | 0.03222 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 313 | 3.90 | 3.80 | 5.12364 | 10.2 | 0.03220 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 314 | 3.80 | 3.70 | 5.12047 | 10.2 | 0.03218 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 315 | 3.70 | 3.60 | 5.11729 | 10.1 | 0.03216 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| TOT | | | | | 2.22 | | | 1002456.00 | 567000.00 | | | | | | |
| AVG | | | | 0.0328 | | | 1.77 | 90.00 | | | 159.12 | | | | |
| CUM | | | | | 5.07 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 253 | 9.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 254 | 9.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 255 | 9.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 256 | 9.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 257 | 9.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 258 | 9.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 259 | 9.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 260 | 9.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 261 | 9.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 262 | 8.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 263 | 8.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 264 | 8.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 265 | 8.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 266 | 8.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 267 | 8.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 8.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 8.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 8.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 8.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 7.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 7.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 7.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 7.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 7.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 7.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 6.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 6.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 6.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 6.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 6.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 5.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 5.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 5.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 5.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 5.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 5.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 4.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 4.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 4.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 4.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 4.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 4.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 3.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 9.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 1.93 | 0.00 | 39.75 | 0.00 | 0. | 0.00 |
| 254 | 9.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.28 | 0.00 | 16.28 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.49 | 0.00 | 0. | 0.00 |
| 255 | 9.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.22 | 0.00 | 16.22 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.24 | 0.00 | 0. | 0.00 |
| 256 | 9.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.69 | 16.16 | 0.00 | 16.16 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.98 | 0.00 | 0. | 0.00 |
| 257 | 9.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.67 | 16.10 | 0.00 | 16.10 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.73 | 0.00 | 0. | 0.00 |
| 258 | 9.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.66 | 16.05 | 0.00 | 16.05 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.48 | 0.00 | 0. | 0.00 |
| 259 | 9.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.65 | 15.99 | 0.00 | 15.99 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.22 | 0.00 | 0. | 0.00 |
| 260 | 9.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.64 | 15.93 | 0.00 | 15.93 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.97 | 0.00 | 0. | 0.00 |
| 261 | 9.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.63 | 15.88 | 0.00 | 15.88 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.71 | 0.00 | 0. | 0.00 |
| 262 | 8.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.62 | 15.82 | 0.00 | 15.82 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.46 | 0.00 | 0. | 0.00 |
| 263 | 8.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.60 | 15.77 | 0.00 | 15.77 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.21 | 0.00 | 0. | 0.00 |
| 264 | 8.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.59 | 15.71 | 0.00 | 15.71 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.95 | 0.00 | 0. | 0.00 |
| 265 | 8.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.58 | 15.65 | 0.00 | 15.65 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.70 | 0.00 | 0. | 0.00 |
| 266 | 8.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.56 | 15.60 | 0.00 | 15.60 | 0.00 | 1.79 | 0.11 | 0.00 | 1.91 | 0.00 | 36.44 | 0.00 | 0. | 0.00 |
| 267 | 8.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.55 | 15.54 | 0.00 | 15.54 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 36.19 | 0.00 | 0. | 0.00 |
| 268 | 8.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.53 | 15.49 | 0.00 | 15.49 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.94 | 0.00 | 0. | 0.00 |
| 269 | 8.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.52 | 15.44 | 0.00 | 15.44 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.68 | 0.00 | 0. | 0.00 |
| 270 | 8.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.50 | 15.38 | 0.00 | 15.38 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.43 | 0.00 | 0. | 0.00 |
| 271 | 8.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.49 | 15.33 | 0.00 | 15.33 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 35.17 | 0.00 | 0. | 0.00 |
| 272 | 7.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.47 | 15.27 | 0.00 | 15.27 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.92 | 0.00 | 0. | 0.00 |
| 273 | 7.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 15.22 | 0.00 | 15.22 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.67 | 0.00 | 0. | 0.00 |
| 274 | 7.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.44 | 15.17 | 0.00 | 15.17 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.41 | 0.00 | 0. | 0.00 |
| 275 | 7.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.42 | 15.11 | 0.00 | 15.11 | 0.00 | 1.77 | 0.11 | 0.00 | 1.89 | 0.00 | 34.16 | 0.00 | 0. | 0.00 |
| 276 | 7.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.40 | 15.06 | 0.00 | 15.06 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.90 | 0.00 | 0. | 0.00 |
| 277 | 7.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.39 | 15.01 | 0.00 | 15.01 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.65 | 0.00 | 0. | 0.00 |
| 278 | 7.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 14.95 | 0.00 | 14.95 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.40 | 0.00 | 0. | 0.00 |
| 279 | 7.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 14.90 | 0.00 | 14.90 | 0.00 | 1.76 | 0.11 | 0.00 | 1.88 | 0.00 | 33.14 | 0.00 | 0. | 0.00 |
| 280 | 7.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.33 | 14.85 | 0.00 | 14.85 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.89 | 0.00 | 0. | 0.00 |
| 281 | 7.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.31 | 14.80 | 0.00 | 14.80 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.63 | 0.00 | 0. | 0.00 |
| 282 | 6.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.30 | 14.74 | 0.00 | 14.74 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.38 | 0.00 | 0. | 0.00 |
| 283 | 6.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.28 | 14.69 | 0.00 | 14.69 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.13 | 0.00 | 0. | 0.00 |
| 284 | 6.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.26 | 14.64 | 0.00 | 14.64 | 0.00 | 1.75 | 0.11 | 0.00 | 1.87 | 0.00 | 31.87 | 0.00 | 0. | 0.00 |
| 285 | 6.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.24 | 14.59 | 0.00 | 14.59 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.62 | 0.00 | 0. | 0.00 |
| 286 | 6.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.22 | 14.54 | 0.00 | 14.54 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.37 | 0.00 | 0. | 0.00 |
| 287 | 6.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.20 | 14.49 | 0.00 | 14.49 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.11 | 0.00 | 0. | 0.00 |
| 288 | 6.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.18 | 14.44 | 0.00 | 14.44 | 0.00 | 1.74 | 0.11 | 0.00 | 1.86 | 0.00 | 30.86 | 0.00 | 0. | 0.00 |
| 289 | 6.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.16 | 14.39 | 0.00 | 14.39 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.60 | 0.00 | 0. | 0.00 |
| 290 | 6.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.14 | 14.34 | 0.00 | 14.34 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.35 | 0.00 | 0. | 0.00 |
| 291 | 6.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.11 | 14.29 | 0.00 | 14.29 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.10 | 0.00 | 0. | 0.00 |
| 292 | 5.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.09 | 14.24 | 0.00 | 14.24 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 29.84 | 0.00 | 0. | 0.00 |
| 293 | 5.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.07 | 14.19 | 0.00 | 14.19 | 0.00 | 1.73 | 0.11 | 0.00 | 1.85 | 0.00 | 29.59 | 0.00 | 0. | 0.00 |
| 294 | 5.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.05 | 14.14 | 0.00 | 14.14 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.33 | 0.00 | 0. | 0.00 |
| 295 | 5.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.03 | 14.09 | 0.00 | 14.09 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.08 | 0.00 | 0. | 0.00 |
| 296 | 5.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.01 | 14.04 | 0.00 | 14.04 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 28.83 | 0.00 | 0. | 0.00 |
| 297 | 5.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.98 | 13.99 | 0.00 | 13.99 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.57 | 0.00 | 0. | 0.00 |
| 298 | 5.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.96 | 13.94 | 0.00 | 13.94 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.32 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 299 | 5.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.94 | 13.89 | 0.00 | 13.89 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 28.06 | 0.00 | 0. | 0.00 |
| 300 | 5.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.92 | 13.85 | 0.00 | 13.85 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.81 | 0.00 | 0. | 0.00 |
| 301 | 5.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.89 | 13.80 | 0.00 | 13.80 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.56 | 0.00 | 0. | 0.00 |
| 302 | 4.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.87 | 13.75 | 0.00 | 13.75 | 0.00 | 1.71 | 0.11 | 0.00 | 1.83 | 0.00 | 27.30 | 0.00 | 0. | 0.00 |
| 303 | 4.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.85 | 13.70 | 0.00 | 13.70 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 27.05 | 0.00 | 0. | 0.00 |
| 304 | 4.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.82 | 13.65 | 0.00 | 13.65 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.79 | 0.00 | 0. | 0.00 |
| 305 | 4.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.80 | 13.61 | 0.00 | 13.61 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.54 | 0.00 | 0. | 0.00 |
| 306 | 4.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.77 | 13.56 | 0.00 | 13.56 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.29 | 0.00 | 0. | 0.00 |
| 307 | 4.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.75 | 13.51 | 0.00 | 13.51 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.03 | 0.00 | 0. | 0.00 |
| 308 | 4.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.72 | 13.47 | 0.00 | 13.47 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.78 | 0.00 | 0. | 0.00 |
| 309 | 4.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.70 | 13.42 | 0.00 | 13.42 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.52 | 0.00 | 0. | 0.00 |
| 310 | 4.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.67 | 13.37 | 0.00 | 13.37 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.27 | 0.00 | 0. | 0.00 |
| 311 | 4.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.65 | 13.33 | 0.00 | 13.33 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 25.02 | 0.00 | 0. | 0.00 |
| 312 | 3.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.62 | 13.28 | 0.00 | 13.28 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 24.76 | 0.00 | 0. | 0.00 |
| 313 | 3.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.60 | 13.23 | 0.00 | 13.23 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.51 | 0.00 | 0. | 0.00 |
| 314 | 3.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.57 | 13.19 | 0.00 | 13.19 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.25 | 0.00 | 0. | 0.00 |
| 315 | 3.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 6 un canal 2 to Corasaw conf. Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | UPR RCH | 5.11729 | 31.80 | 0.00 | 0.00 | 0.00 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01667 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.02333 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 3.60 | 3.50 | 5.11062 | 10.1 | 0.02628 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 317 | 3.50 | 3.40 | 5.10396 | 10.1 | 0.02624 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 318 | 3.40 | 3.30 | 5.09729 | 10.0 | 0.02621 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 319 | 3.30 | 3.20 | 5.09062 | 10.0 | 0.02618 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 320 | 3.20 | 3.10 | 5.08396 | 10.0 | 0.02614 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 321 | 3.10 | 3.00 | 5.07729 | 9.9 | 0.02611 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 322 | 3.00 | 2.90 | 5.07062 | 9.9 | 0.02607 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 323 | 2.90 | 2.80 | 5.06396 | 9.9 | 0.02604 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 324 | 2.80 | 2.70 | 5.05729 | 9.8 | 0.02600 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 325 | 2.70 | 2.60 | 5.05062 | 9.8 | 0.02597 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 326 | 2.60 | 2.50 | 5.04396 | 9.8 | 0.02594 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 327 | 2.50 | 2.40 | 5.03729 | 9.7 | 0.02590 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 328 | 2.40 | 2.30 | 5.03062 | 9.7 | 0.02587 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 329 | 2.30 | 2.20 | 5.02396 | 9.7 | 0.02583 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 330 | 2.20 | 2.10 | 5.01729 | 9.7 | 0.02580 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 331 | 2.10 | 2.00 | 5.01062 | 9.6 | 0.02576 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 332 | 2.00 | 1.90 | 5.00396 | 9.6 | 0.02573 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 333 | 1.90 | 1.80 | 4.99729 | 9.6 | 0.02570 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 334 | 1.80 | 1.70 | 4.99062 | 9.5 | 0.02566 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 335 | 1.70 | 1.60 | 4.98396 | 9.5 | 0.02563 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 336 | 1.60 | 1.50 | 4.97729 | 9.5 | 0.02559 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 337 | 1.50 | 1.40 | 4.97062 | 9.4 | 0.02556 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 338 | 1.40 | 1.30 | 4.96396 | 9.4 | 0.02552 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 339 | 1.30 | 1.20 | 4.95729 | 9.4 | 0.02549 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 340 | 1.20 | 1.10 | 4.95062 | 9.3 | 0.02546 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 341 | 1.10 | 1.00 | 4.94396 | 9.3 | 0.02542 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 342 | 1.00 | 0.90 | 4.93729 | 9.3 | 0.02539 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 343 | 0.90 | 0.80 | 4.93062 | 9.2 | 0.02535 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 344 | 0.80 | 0.70 | 4.92396 | 9.2 | 0.02532 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 345 | 0.70 | 0.60 | 4.91729 | 9.2 | 0.02528 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| TOT | | | | | 1.35 | | | 583440.00 | 330000.00 | | | | | | |
| AVG | | | | | 0.0258 | | 1.77 | 110.00 | | | 194.48 | | | | |
| CUM | | | | | 6.41 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 316 | 3.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 3.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 3.300 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 3.200 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 3.100 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 3.000 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 2.900 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 2.800 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 2.700 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 2.600 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 2.500 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 2.400 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 2.300 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 2.200 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 2.100 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 2.000 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 1.900 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 1.800 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 1.700 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 1.600 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 1.500 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 1.400 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 1.300 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 1.200 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 1.100 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 1.000 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 0.900 | 7.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 0.800 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 0.700 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 0.600 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM | ENDING | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | TOTN | PHOS | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | DEG C | PPT | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | g/m³ | #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 3.500 | 31.82 | 0.00 | 0.00 | 0.00 | 6.51 | 13.08 | 0.00 | 13.08 | 0.00 | 1.68 | 0.11 | 0.00 | 1.80 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 317 | 3.400 | 31.83 | 0.00 | 0.00 | 0.00 | 6.48 | 13.02 | 0.00 | 13.02 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 318 | 3.300 | 31.85 | 0.00 | 0.00 | 0.00 | 6.45 | 12.96 | 0.00 | 12.96 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 319 | 3.200 | 31.87 | 0.00 | 0.00 | 0.00 | 6.42 | 12.90 | 0.00 | 12.90 | 0.00 | 1.67 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 320 | 3.100 | 31.88 | 0.00 | 0.00 | 0.00 | 6.39 | 12.84 | 0.00 | 12.84 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 321 | 3.000 | 31.90 | 0.00 | 0.00 | 0.00 | 6.36 | 12.79 | 0.00 | 12.79 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 322 | 2.900 | 31.92 | 0.00 | 0.00 | 0.00 | 6.34 | 12.73 | 0.00 | 12.73 | 0.00 | 1.66 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 323 | 2.800 | 31.93 | 0.00 | 0.00 | 0.00 | 6.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 324 | 2.700 | 31.95 | 0.00 | 0.00 | 0.00 | 6.28 | 12.61 | 0.00 | 12.61 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 325 | 2.600 | 31.97 | 0.00 | 0.00 | 0.00 | 6.26 | 12.56 | 0.00 | 12.56 | 0.00 | 1.65 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 326 | 2.500 | 31.98 | 0.00 | 0.00 | 0.00 | 6.23 | 12.50 | 0.00 | 12.50 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 327 | 2.400 | 32.00 | 0.00 | 0.00 | 0.00 | 6.21 | 12.44 | 0.00 | 12.44 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 328 | 2.300 | 32.02 | 0.00 | 0.00 | 0.00 | 6.19 | 12.39 | 0.00 | 12.39 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 329 | 2.200 | 32.03 | 0.00 | 0.00 | 0.00 | 6.16 | 12.33 | 0.00 | 12.33 | 0.00 | 1.64 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 330 | 2.100 | 32.05 | 0.00 | 0.00 | 0.00 | 6.14 | 12.28 | 0.00 | 12.28 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 331 | 2.000 | 32.07 | 0.00 | 0.00 | 0.00 | 6.12 | 12.22 | 0.00 | 12.22 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 332 | 1.900 | 32.08 | 0.00 | 0.00 | 0.00 | 6.10 | 12.17 | 0.00 | 12.17 | 0.00 | 1.63 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 333 | 1.800 | 32.10 | 0.00 | 0.00 | 0.00 | 6.08 | 12.11 | 0.00 | 12.11 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 334 | 1.700 | 32.12 | 0.00 | 0.00 | 0.00 | 6.06 | 12.06 | 0.00 | 12.06 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 335 | 1.600 | 32.13 | 0.00 | 0.00 | 0.00 | 6.04 | 12.01 | 0.00 | 12.01 | 0.00 | 1.62 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 336 | 1.500 | 32.15 | 0.00 | 0.00 | 0.00 | 6.02 | 11.95 | 0.00 | 11.95 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 337 | 1.400 | 32.17 | 0.00 | 0.00 | 0.00 | 6.01 | 11.90 | 0.00 | 11.90 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 338 | 1.300 | 32.18 | 0.00 | 0.00 | 0.00 | 5.99 | 11.85 | 0.00 | 11.85 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 339 | 1.200 | 32.20 | 0.00 | 0.00 | 0.00 | 5.97 | 11.79 | 0.00 | 11.79 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 340 | 1.100 | 32.22 | 0.00 | 0.00 | 0.00 | 5.96 | 11.74 | 0.00 | 11.74 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 341 | 1.000 | 32.23 | 0.00 | 0.00 | 0.00 | 5.94 | 11.69 | 0.00 | 11.69 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 342 | 0.900 | 32.25 | 0.00 | 0.00 | 0.00 | 5.93 | 11.63 | 0.00 | 11.63 | 0.00 | 1.60 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 343 | 0.800 | 32.27 | 0.00 | 0.00 | 0.00 | 5.91 | 11.58 | 0.00 | 11.58 | 0.00 | 1.60 | 0.11 | 0.00 | 1.71 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 344 | 0.700 | 32.28 | 0.00 | 0.00 | 0.00 | 5.90 | 11.49 | 0.00 | 11.49 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. 0.00 |
| 345 | 0.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 17 Corasaw conf. to 120401-C Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | UPR RCH | 4.91729 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 526 | TRIB | 5.35654 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 6.98 | 0.00 | 6.98 | 0.00 | 2.59 | 0.14 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | 0.60 | 0.50 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 527 | 0.50 | 0.40 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 528 | 0.40 | 0.30 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 529 | 0.30 | 0.20 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 530 | 0.20 | 0.10 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 531 | 0.10 | 0.00 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| TOT | | | | | 0.08 | | | | 74025.60 | 52800.00 | | | | | |
| AVG | | | | 0.0833 | | | 1.40 | 88.00 | | | 123.38 | | | | |

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 CUM                                    6.50
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
 ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI   NCM   NCM
 NO.   DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY SRCE  RATE SRCE  PROD  PROD  DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da    *     *     *   1/da  1/da  1/da    *   1/da    *    **    **   1/da  1/da  1/da
 526   0.500  7.27   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.25  3.25  3.25  0.03  0.00  0.38  0.00  0.00  0.00  2.11  0.00  0.00  0.00  0.00
 527   0.400  7.27   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.25  3.25  3.25  0.03  0.00  0.38  0.00  0.00  0.00  2.11  0.00  0.00  0.00  0.00
 528   0.300  7.27   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.24  3.24  3.24  0.03  0.00  0.38  0.00  0.00  0.00  2.11  0.00  0.00  0.00  0.00
 529   0.200  7.28   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.24  3.24  3.24  0.03  0.00  0.38  0.00  0.00  0.00  2.10  0.00  0.00  0.00  0.00
 530   0.100  7.28   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.24  3.24  3.24  0.03  0.00  0.38  0.00  0.00  0.00  2.10  0.00  0.00  0.00  0.00
 531   0.000  7.28   0.85   0.09  0.00  0.00  0.00  0.00  0.00  3.23  3.23  3.23  0.03  0.00  0.38  0.00  0.00  0.00  2.10  0.00  0.00  0.00  0.00
 AVG 20 DEG C RATE    0.68   0.05  0.00  0.00  0.00  0.00  0.00  1.50              0.02  0.00  0.15  0.00  0.00  0.00              0.00  0.00  0.00
 *   g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
 ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
 NO.   DIST  DEG C   PPT                     mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m³  #/100mL
 526   0.500  32.28  0.00    0.00    0.00  6.15   9.10   0.00   9.10   0.00   2.12   0.13   0.00   2.24   0.00  24.00   0.00      0.   0.00
 527   0.400  32.27  0.00    0.00    0.00  6.15   9.09   0.00   9.09   0.00   2.12   0.13   0.00   2.24   0.00  24.00   0.00      0.   0.00
 528   0.300  32.25  0.00    0.00    0.00  6.14   9.08   0.00   9.08   0.00   2.12   0.13   0.00   2.24   0.00  24.00   0.00      0.   0.00
 529   0.200  32.23  0.00    0.00    0.00  6.14   9.07   0.00   9.07   0.00   2.12   0.13   0.00   2.24   0.00  24.00   0.00      0.   0.00
 530   0.100  32.22  0.00    0.00    0.00  6.14   9.02   0.00   9.02   0.00   2.10   0.13   0.00   2.23   0.00  24.00   0.00      0.   0.00
 531   0.000  32.20  0.00    0.00    0.00  6.13   8.31   0.00   8.31   0.00   1.89   0.12   0.00   2.01   0.00  24.00   0.00      0.   0.00
STREAM SUMMARY                                    LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Bayou Chene                                     Baseline Simulation for Lake Penchant and Bayou Penchant model
 TRAVEL TIME      =          6.50 DAYS
 MAXIMUM EFFLUENT  =         28.22 PERCENT
 FLOW            =  4.91729 TO   17.38058   m³/s
 DISPERSION       =  0.3000  TO    0.6000   m²/s
 VELOCITY         =  0.02528 TO    0.15623  m/s
 DEPTH            =  1.00    TO    1.77     m
 WIDTH            =  88.00   TO  155.00     m
 BOD DECAY        =   0.09   TO    0.21     per day
 NH3 DECAY        =   0.35   TO    0.38     per day
 SOD              =   3.15   TO    5.68     g/m²/d
 NH3 SOURCE       =   0.00   TO    0.00     g/m²/d
 REAERATION       =   0.49   TO    1.93     per day
 BOD SETTLING     =   0.00   TO    0.00     per day
 ORG-N DECAY      =   0.02   TO    0.03     per day
 ORG-N SETTLING   =   0.00   TO    0.00     per day
 TEMPERATURE      =  31.22   TO   32.30     deg C
 DISSOLVED OXYGEN =   5.63   TO    7.74     mg/L
FINAL REPORT    Station 935                       LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO.  7    935 to Peoples Canal and L.P                Baseline Simulation for Lake Penchant and Bayou Penchant model
********************************************************** REACH INPUTS **********************************************************
 ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   PHOS  CHL A    COLI    NCM
 NO.              deg C    ppt                   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
  346  HDWTR    0.03776   31.10    0.00    0.00    0.00   5.00   3.42   0.00   3.42   0.00   0.90   0.10   0.04   0.00  10.00    0.00    0.00
********************************************************** HYDRAULIC PARAMETER VALUES **********************************************
 ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL   DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
 NO.   DIST   DIST        EFF   VELO    TIME                        AREA   AREA    PRISM   VELO           VELO
```

| | km | km | m³/s | m/s | days | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 18.00 | 17.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 347 | 17.90 | 17.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 348 | 17.80 | 17.70 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 349 | 17.70 | 17.60 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 350 | 17.60 | 17.50 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 351 | 17.50 | 17.40 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 352 | 17.40 | 17.30 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 353 | 17.30 | 17.20 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 354 | 17.20 | 17.10 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 355 | 17.10 | 17.00 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 356 | 17.00 | 16.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 357 | 16.90 | 16.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 358 | 16.80 | 16.70 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 359 | 16.70 | 16.60 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 360 | 16.60 | 16.50 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 361 | 16.50 | 16.40 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 362 | 16.40 | 16.30 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 363 | 16.30 | 16.20 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 364 | 16.20 | 16.10 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 365 | 16.10 | 16.00 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 366 | 16.00 | 15.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 367 | 15.90 | 15.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| TOT | | | | | 41.73 | | | 136136.00 | 77000.00 | | | | | | | |
| AVG | | | | 0.0006 | | | 1.77 | 35.00 | | | | 61.88 | | | | |
| CUM | | | | | 41.73 | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL DECAY 1/da | CORR SOD 1/da | ORGN SETT * | ORGN DECAY ** | SRCE ** | NH3 RATE 1/da | NH3 SRCE 1/da | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 17.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 347 | 17.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 348 | 17.700 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 349 | 17.600 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350 | 17.500 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 351 | 17.400 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 352 | 17.300 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 353 | 17.200 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 354 | 17.100 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 355 | 17.000 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 356 | 16.900 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 357 | 16.800 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 358 | 16.700 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 359 | 16.600 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 360 | 16.500 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 361 | 16.400 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 362 | 16.300 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 363 | 16.200 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 364 | 16.100 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 365 | 16.000 | 7.42 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |

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366  15.900 7.43   0.48  0.08 0.00  0.00  0.00 0.00  0.00 3.00 3.00 3.00  0.02 0.00  0.22 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
367  15.800 7.43   0.48  0.08 0.00  0.00  0.00 0.00  0.00 3.00 3.00 3.00  0.02 0.00  0.22 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.40  0.05 0.00  0.00  0.00 0.00  0.00 1.50          0.02 0.00  0.10 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **  mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1 BOD#2 EBOD#1 EBOD#2  ORGN   NH3 NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
346  17.900 31.48 0.00    0.00    0.00  4.91  2.95  0.00  2.95  0.00  0.86  0.10  0.00  0.96  0.00 10.00  0.00     0.  0.00
347  17.800 31.45 0.00    0.00    0.00  4.90  2.54  0.00  2.54  0.00  0.82  0.10  0.00  0.92  0.00 10.00  0.00     0.  0.00
348  17.700 31.43 0.00    0.00    0.00  4.94  2.19  0.00  2.19  0.00  0.78  0.09  0.00  0.88  0.00 10.00  0.00     0.  0.00
349  17.600 31.41 0.00    0.00    0.00  4.98  1.89  0.00  1.89  0.00  0.75  0.09  0.00  0.84  0.00 10.00  0.00     0.  0.00
350  17.500 31.39 0.00    0.00    0.00  5.04  1.63  0.00  1.63  0.00  0.71  0.09  0.00  0.80  0.00 10.00  0.00     0.  0.00
351  17.400 31.36 0.00    0.00    0.00  5.09  1.40  0.00  1.40  0.00  0.68  0.08  0.00  0.76  0.00 10.00  0.00     0.  0.00
352  17.300 31.34 0.00    0.00    0.00  5.14  1.21  0.00  1.21  0.00  0.65  0.08  0.00  0.73  0.00 10.00  0.00     0.  0.00
353  17.200 31.32 0.00    0.00    0.00  5.18  1.04  0.00  1.04  0.00  0.62  0.08  0.00  0.70  0.00 10.00  0.00     0.  0.00
354  17.100 31.30 0.00    0.00    0.00  5.22  0.90  0.00  0.90  0.00  0.59  0.07  0.00  0.67  0.00 10.00  0.00     0.  0.00
355  17.000 31.27 0.00    0.00    0.00  5.26  0.78  0.00  0.78  0.00  0.57  0.07  0.00  0.64  0.00 10.00  0.00     0.  0.00
356  16.900 31.25 0.00    0.00    0.00  5.29  0.67  0.00  0.67  0.00  0.54  0.07  0.00  0.61  0.00 10.00  0.00     0.  0.00
357  16.800 31.23 0.00    0.00    0.00  5.32  0.58  0.00  0.58  0.00  0.52  0.06  0.00  0.58  0.00 10.00  0.00     0.  0.00
358  16.700 31.20 0.00    0.00    0.00  5.35  0.50  0.00  0.50  0.00  0.49  0.06  0.00  0.55  0.00 10.00  0.00     0.  0.00
359  16.600 31.18 0.00    0.00    0.00  5.38  0.43  0.00  0.43  0.00  0.47  0.06  0.00  0.53  0.00 10.00  0.00     0.  0.00
360  16.500 31.16 0.00    0.00    0.00  5.40  0.37  0.00  0.37  0.00  0.45  0.06  0.00  0.50  0.00 10.00  0.00     0.  0.00
361  16.400 31.14 0.00    0.00    0.00  5.42  0.32  0.00  0.32  0.00  0.43  0.05  0.00  0.48  0.00 10.00  0.00     0.  0.00
362  16.300 31.11 0.00    0.00    0.00  5.44  0.28  0.00  0.28  0.00  0.41  0.05  0.00  0.46  0.00 10.00  0.00     0.  0.00
363  16.200 31.09 0.00    0.00    0.00  5.46  0.24  0.00  0.24  0.00  0.39  0.05  0.00  0.44  0.00 10.00  0.00     0.  0.00
364  16.100 31.07 0.00    0.00    0.00  5.48  0.21  0.00  0.21  0.00  0.37  0.05  0.00  0.42  0.00 10.00  0.00     0.  0.00
365  16.000 31.05 0.00    0.00    0.00  5.49  0.18  0.00  0.18  0.00  0.36  0.04  0.00  0.40  0.00 10.00  0.00     0.  0.00
366  15.900 31.02 0.00    0.00    0.00  5.51  0.15  0.00  0.15  0.00  0.34  0.04  0.00  0.38  0.00 10.00  0.00     0.  0.00
367  15.800 31.00 0.00    0.00    0.00  5.52  0.13  0.00  0.13  0.00  0.32  0.04  0.00  0.37  0.00 10.00  0.00     0.  0.00
FINAL REPORT    Station 935                    LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO.  8    Peoples C. and L.P to N. Outlet          Baseline Simulation for Lake Penchant and Bayou Penchant model
************************************************************ REACH INPUTS ************************************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3 NO3+2  PHOS  CHL A    COLI    NCM
NO.             deg C   ppt             mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
368  UPR RCH  0.03776  31.00    0.00    0.00    0.00  5.52  0.13  0.00  0.13  0.00  0.32  0.04  0.00  0.00 10.00    0.00    0.00
EACH  INCR    0.17084  30.00    0.00    0.00    0.00  5.00  9.30  0.00            1.30  0.10  0.04  0.00    0.00    0.00
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN  ENDING    FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.   DIST   DIST      EFF   VELO    TIME                         AREA   AREA    PRISM   VELO          VELO
      km     km      m³/s    m/s   days     m      m      m³      m²     m²      m³     m/s   m²/s   m/s
368  15.80  15.70  0.20860  0.0  0.00006  20.90   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
369  15.70  15.60  0.37945  0.0  0.00010  11.49   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
370  15.60  15.50  0.55029  0.0  0.00015   7.92   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
371  15.50  15.40  0.72114  0.0  0.00019   6.05   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
372  15.40  15.30  0.89198  0.0  0.00024   4.89   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
373  15.30  15.20  1.06283  0.0  0.00028   4.10   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
374  15.20  15.10  1.23367  0.0  0.00033   3.53   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
375  15.10  15.00  1.40452  0.0  0.00037   3.10   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
376  15.00  14.90  1.57536  0.0  0.00042   2.77   1.77 2131.00 376760.78 213100.00 3767.61   0.00  0.000   0.000  0.000
TOT                                 64.77            3390847.00 1917900.00
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 AVG                          0.0002        1.77 2131.00              3767.61
 CUM                                106.49
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN  ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI  NCM   NCM
NO.   DIST  D.O.   RATE  DECAY SETT  DECAY  DECAY  SETT  DECAY  SOD   SOD   SOD  DECAY SETT  DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
368  15.700 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
369  15.600 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
370  15.500 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
371  15.400 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
372  15.300 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
373  15.200 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
374  15.100 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
375  15.000 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
376  14.900 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.53  0.05 0.00  0.00  0.00 0.00  0.00 0.60            0.02 0.00  0.10 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
368  15.700 31.00 0.00    0.00    0.00  7.03  2.80  0.00  2.80  0.00  0.74  0.08  0.00  0.82  0.00 10.00  0.00     0.  0.00
369  15.600 31.00 0.00    0.00    0.00  7.03  2.93  0.00  2.93  0.00  0.77  0.08  0.00  0.86  0.00 10.00  0.00     0.  0.00
370  15.500 31.00 0.00    0.00    0.00  7.03  2.96  0.00  2.96  0.00  0.78  0.09  0.00  0.87  0.00 10.00  0.00     0.  0.00
371  15.400 31.00 0.00    0.00    0.00  7.02  2.97  0.00  2.97  0.00  0.79  0.09  0.00  0.87  0.00 10.00  0.00     0.  0.00
372  15.300 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.87  0.00 10.00  0.00     0.  0.00
373  15.200 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.  0.00
374  15.100 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.  0.00
375  15.000 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.  0.00
376  14.900 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.  0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO.  9    N. Outlet to L. Penchant W. Sid            Baseline Simulation for Lake Penchant and Bayou Penchant model
********************************************** REACH INPUTS **********************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.             deg C   ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
377  UPR RCH  1.57536  31.00    0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.00 10.00    0.00    0.00
EACH  INCR    0.27598  30.00    0.00    0.00    0.00  5.00  9.30  0.00             2.80  0.10  0.04  0.00    0.00    0.00
EACH  INCR    -0.12308
********************************************** HYDRAULIC PARAMETER VALUES **********************************************
ELEM  BEGIN  ENDING    FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.   DIST   DIST      EFF   VELO    TIME                        AREA   AREA    PRISM   VELO          VELO
      km     km      m³/s     m/s    days     m      m      m³      m²     m²      m³     m/s    m²/s    m/s
377  14.90  14.80  1.72827  0.0  0.00099   1.16   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
378  14.80  14.70  1.88118  0.0  0.00108   1.07   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
379  14.70  14.60  2.03408  0.0  0.00117   0.99   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
380  14.60  14.50  2.18699  0.0  0.00126   0.92   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
381  14.50  14.40  2.33990  0.0  0.00135   0.86   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
382  14.40  14.30  2.49281  0.0  0.00143   0.81   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
383  14.30  14.20  2.64571  0.0  0.00152   0.76   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.002
384  14.20  14.10  2.79862  0.0  0.00161   0.72   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.002
385  14.10  14.00  2.95153  0.0  0.00170   0.68   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.002
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| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 386 | 14.00 | 13.90 | 3.10444 | 0.0 | 0.00179 | 0.65 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 387 | 13.90 | 13.80 | 3.25734 | 0.0 | 0.00187 | 0.62 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 388 | 13.80 | 13.70 | 3.41025 | 0.0 | 0.00196 | 0.59 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 389 | 13.70 | 13.60 | 3.56316 | 0.0 | 0.00205 | 0.56 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| TOT | | | | | 10.39 | | | 2259327.00 | 1277900.00 | | | | | | | | | | | | | |
| AVG | | | | 0.0014 | | | 1.77 | 983.00 | | | 1737.94 | | | | | | | | | | | |
| CUM | | | | | 116.88 | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 * | BKGD * | FULL SOD 1/da | CORR SOD 1/da | ORGN DECAY 1/da | ORGN SETT * | NH3 DECAY ** | NH3 SETT ** | DENIT SRCE 1/da | PO4 RATE 1/da | ALG SRCE * | MAC PROD 1/da | COLI PROD * | NCM DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 377 | 14.800 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 378 | 14.700 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 379 | 14.600 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 380 | 14.500 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 381 | 14.400 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 382 | 14.300 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 383 | 14.200 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 384 | 14.100 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 385 | 14.000 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 386 | 13.900 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 387 | 13.800 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 388 | 13.700 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 389 | 13.600 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| AVG 20 DEG C RATE | | | 0.53 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | | | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN mg/L | PHOS µg/L | CHL A $g/m^3$ | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 377 | 14.800 | 31.04 | 0.00 | 0.00 | 0.00 | 6.26 | 3.60 | 0.00 | 3.60 | 0.00 | 1.06 | 0.09 | 0.00 | 1.16 | 0.00 | 11.15 | 0.00 | 0. | 0.00 |
| 378 | 14.700 | 31.08 | 0.00 | 0.00 | 0.00 | 5.93 | 4.05 | 0.00 | 4.05 | 0.00 | 1.27 | 0.10 | 0.00 | 1.37 | 0.00 | 12.31 | 0.00 | 0. | 0.00 |
| 379 | 14.600 | 31.12 | 0.00 | 0.00 | 0.00 | 5.79 | 4.38 | 0.00 | 4.38 | 0.00 | 1.43 | 0.11 | 0.00 | 1.54 | 0.00 | 13.46 | 0.00 | 0. | 0.00 |
| 380 | 14.500 | 31.15 | 0.00 | 0.00 | 0.00 | 5.76 | 4.63 | 0.00 | 4.63 | 0.00 | 1.56 | 0.12 | 0.00 | 1.68 | 0.00 | 14.62 | 0.00 | 0. | 0.00 |
| 381 | 14.400 | 31.19 | 0.00 | 0.00 | 0.00 | 5.77 | 4.82 | 0.00 | 4.82 | 0.00 | 1.67 | 0.13 | 0.00 | 1.80 | 0.00 | 15.77 | 0.00 | 0. | 0.00 |
| 382 | 14.300 | 31.23 | 0.00 | 0.00 | 0.00 | 5.82 | 4.98 | 0.00 | 4.98 | 0.00 | 1.75 | 0.13 | 0.00 | 1.89 | 0.00 | 16.92 | 0.00 | 0. | 0.00 |
| 383 | 14.200 | 31.27 | 0.00 | 0.00 | 0.00 | 5.88 | 5.10 | 0.00 | 5.10 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 18.08 | 0.00 | 0. | 0.00 |
| 384 | 14.100 | 31.31 | 0.00 | 0.00 | 0.00 | 5.96 | 5.19 | 0.00 | 5.19 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 19.23 | 0.00 | 0. | 0.00 |
| 385 | 14.000 | 31.35 | 0.00 | 0.00 | 0.00 | 6.04 | 5.27 | 0.00 | 5.27 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 20.38 | 0.00 | 0. | 0.00 |
| 386 | 13.900 | 31.38 | 0.00 | 0.00 | 0.00 | 6.13 | 5.34 | 0.00 | 5.34 | 0.00 | 1.98 | 0.15 | 0.00 | 2.13 | 0.00 | 21.54 | 0.00 | 0. | 0.00 |
| 387 | 13.800 | 31.42 | 0.00 | 0.00 | 0.00 | 6.22 | 5.39 | 0.00 | 5.39 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 22.69 | 0.00 | 0. | 0.00 |
| 388 | 13.700 | 31.46 | 0.00 | 0.00 | 0.00 | 6.31 | 5.43 | 0.00 | 5.43 | 0.00 | 2.05 | 0.16 | 0.00 | 2.21 | 0.00 | 23.85 | 0.00 | 0. | 0.00 |
| 389 | 13.600 | 31.50 | 0.00 | 0.00 | 0.00 | 6.41 | 5.47 | 0.00 | 5.47 | 0.00 | 2.07 | 0.16 | 0.00 | 2.24 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 10 L. P. W. Side to L. P W. Outlet Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | UPR RCH | 3.56316 | 31.50 | 0.00 | 0.00 | 0.00 | 6.41 | 5.47 | 0.00 | 5.47 | 0.00 | 2.07 | 0.16 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 |
| EACH | INCR | 0.05556 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| EACH | INCR | -0.05556 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | 13.60 | 13.50 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 391 | 13.50 | 13.40 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 392 | 13.40 | 13.30 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 393 | 13.30 | 13.20 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 394 | 13.20 | 13.10 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 395 | 13.10 | 13.00 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 396 | 13.00 | 12.90 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 397 | 12.90 | 12.80 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| 398 | 12.80 | 12.70 | 3.56316 | 0.0 | 0.01362 | 0.08 | 1.77 | 148.00 | 26166.40 | 14800.00 | 261.66 | 0.00 | 0.000 | 0.000 | 0.014 |
| TOT | | | | 0.76 | | 235497.62 | | 133200.00 | | | | | | | |
| AVG | | | | 0.0136 | | 1.77 | | 148.00 | | | 261.66 | | | | |
| CUM | | | | 117.65 | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | 13.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 391 | 13.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 392 | 13.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 393 | 13.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 394 | 13.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 395 | 13.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 396 | 12.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 397 | 12.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 398 | 12.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 390 | 13.500 | 31.50 | 0.00 | 0.00 | 0.00 | 6.29 | 5.50 | 0.00 | 5.50 | 0.00 | 2.06 | 0.16 | 0.00 | 2.22 | 0.00 | 26.44 | 0.00 | 0. | 0.00 |
| 391 | 13.400 | 31.50 | 0.00 | 0.00 | 0.00 | 6.18 | 5.53 | 0.00 | 5.53 | 0.00 | 2.04 | 0.16 | 0.00 | 2.20 | 0.00 | 27.89 | 0.00 | 0. | 0.00 |
| 392 | 13.300 | 31.50 | 0.00 | 0.00 | 0.00 | 6.09 | 5.56 | 0.00 | 5.56 | 0.00 | 2.03 | 0.16 | 0.00 | 2.19 | 0.00 | 29.33 | 0.00 | 0. | 0.00 |
| 393 | 13.200 | 31.50 | 0.00 | 0.00 | 0.00 | 6.01 | 5.59 | 0.00 | 5.59 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 30.78 | 0.00 | 0. | 0.00 |
| 394 | 13.100 | 31.50 | 0.00 | 0.00 | 0.00 | 5.95 | 5.61 | 0.00 | 5.61 | 0.00 | 2.00 | 0.16 | 0.00 | 2.15 | 0.00 | 32.22 | 0.00 | 0. | 0.00 |
| 395 | 13.000 | 31.50 | 0.00 | 0.00 | 0.00 | 5.90 | 5.64 | 0.00 | 5.64 | 0.00 | 1.98 | 0.15 | 0.00 | 2.14 | 0.00 | 33.67 | 0.00 | 0. | 0.00 |
| 396 | 12.900 | 31.50 | 0.00 | 0.00 | 0.00 | 5.86 | 5.67 | 0.00 | 5.67 | 0.00 | 1.97 | 0.15 | 0.00 | 2.12 | 0.00 | 35.11 | 0.00 | 0. | 0.00 |
| 397 | 12.800 | 31.50 | 0.00 | 0.00 | 0.00 | 5.84 | 5.69 | 0.00 | 5.69 | 0.00 | 1.95 | 0.15 | 0.00 | 2.10 | 0.00 | 36.56 | 0.00 | 0. | 0.00 |
| 398 | 12.700 | 31.50 | 0.00 | 0.00 | 0.00 | 5.83 | 5.72 | 0.00 | 5.72 | 0.00 | 1.94 | 0.15 | 0.00 | 2.09 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 11 L. P W. Outlet to Superior Cana Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | UPR RCH | 3.56316 | 31.50 | 0.00 | 0.00 | 0.00 | 5.83 | 5.72 | 0.00 | 5.72 | 0.00 | 1.94 | 0.15 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02632 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |

EACH INCR -0.02632

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | 12.70 | 12.60 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 400 | 12.60 | 12.50 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 401 | 12.50 | 12.40 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 402 | 12.40 | 12.30 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 403 | 12.30 | 12.20 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 404 | 12.20 | 12.10 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 405 | 12.10 | 12.00 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 406 | 12.00 | 11.90 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 407 | 11.90 | 11.80 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 408 | 11.80 | 11.70 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 409 | 11.70 | 11.60 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 410 | 11.60 | 11.50 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 411 | 11.50 | 11.40 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 412 | 11.40 | 11.30 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 413 | 11.30 | 11.20 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 414 | 11.20 | 11.10 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 415 | 11.10 | 11.00 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 416 | 11.00 | 10.90 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 417 | 10.90 | 10.80 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| TOT | | | | | 0.67 | | 204911.17 | | 115900.00 | | | | | | |
| AVG | | | 0.0330 | | | 1.77 | 61.00 | | | | 107.85 | | | | |
| CUM | | | | | 118.31 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | SRCE * | NH3 RATE 1/da | NH3 SRCE * | DENIT PROD ** | PO4 PROD ** | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | 12.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400 | 12.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 401 | 12.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 402 | 12.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 403 | 12.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 404 | 12.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 405 | 12.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 406 | 11.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 407 | 11.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 408 | 11.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 409 | 11.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 410 | 11.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 411 | 11.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 412 | 11.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 413 | 11.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 414 | 11.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 415 | 11.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 416 | 10.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 417 | 10.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |

AVG 20 DEG C RATE 0.40 0.05 0.00 0.00 0.00 0.00 0.00 2.80 0.02 0.00 0.15 0.00 0.00 0.00 0.00 0.00 0.00
* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | 12.600 | 31.50 | 0.00 | 0.00 | 0.00 | 5.82 | 5.74 | 0.00 | 5.74 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 400 | 12.500 | 31.50 | 0.00 | 0.00 | 0.00 | 5.81 | 5.75 | 0.00 | 5.75 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 401 | 12.400 | 31.50 | 0.00 | 0.00 | 0.00 | 5.81 | 5.76 | 0.00 | 5.76 | 0.00 | 1.92 | 0.15 | 0.00 | 2.07 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 402 | 12.300 | 31.50 | 0.00 | 0.00 | 0.00 | 5.80 | 5.78 | 0.00 | 5.78 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 403 | 12.200 | 31.50 | 0.00 | 0.00 | 0.00 | 5.80 | 5.79 | 0.00 | 5.79 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 404 | 12.100 | 31.50 | 0.00 | 0.00 | 0.00 | 5.79 | 5.81 | 0.00 | 5.81 | 0.00 | 1.90 | 0.15 | 0.00 | 2.05 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 405 | 12.000 | 31.50 | 0.00 | 0.00 | 0.00 | 5.78 | 5.82 | 0.00 | 5.82 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 406 | 11.900 | 31.50 | 0.00 | 0.00 | 0.00 | 5.78 | 5.83 | 0.00 | 5.83 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 407 | 11.800 | 31.50 | 0.00 | 0.00 | 0.00 | 5.77 | 5.85 | 0.00 | 5.85 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 408 | 11.700 | 31.50 | 0.00 | 0.00 | 0.00 | 5.77 | 5.86 | 0.00 | 5.86 | 0.00 | 1.88 | 0.15 | 0.00 | 2.02 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 409 | 11.600 | 31.50 | 0.00 | 0.00 | 0.00 | 5.76 | 5.87 | 0.00 | 5.87 | 0.00 | 1.87 | 0.15 | 0.00 | 2.02 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 410 | 11.500 | 31.50 | 0.00 | 0.00 | 0.00 | 5.76 | 5.89 | 0.00 | 5.89 | 0.00 | 1.86 | 0.14 | 0.00 | 2.01 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 411 | 11.400 | 31.50 | 0.00 | 0.00 | 0.00 | 5.75 | 5.90 | 0.00 | 5.90 | 0.00 | 1.86 | 0.14 | 0.00 | 2.00 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 412 | 11.300 | 31.50 | 0.00 | 0.00 | 0.00 | 5.75 | 5.91 | 0.00 | 5.91 | 0.00 | 1.85 | 0.14 | 0.00 | 2.00 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 413 | 11.200 | 31.50 | 0.00 | 0.00 | 0.00 | 5.74 | 5.92 | 0.00 | 5.92 | 0.00 | 1.85 | 0.14 | 0.00 | 1.99 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 414 | 11.100 | 31.50 | 0.00 | 0.00 | 0.00 | 5.74 | 5.94 | 0.00 | 5.94 | 0.00 | 1.84 | 0.14 | 0.00 | 1.99 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 415 | 11.000 | 31.50 | 0.00 | 0.00 | 0.00 | 5.74 | 5.95 | 0.00 | 5.95 | 0.00 | 1.84 | 0.14 | 0.00 | 1.98 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 416 | 10.900 | 31.50 | 0.00 | 0.00 | 0.00 | 5.73 | 5.96 | 0.00 | 5.96 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 417 | 10.800 | 31.50 | 0.00 | 0.00 | 0.00 | 5.73 | 5.97 | 0.00 | 5.97 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 12 Superior Canal to un canal 1 Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | UPR RCH | 3.56316 | 31.50 | 0.00 | 0.00 | 0.00 | 5.73 | 5.97 | 0.00 | 5.97 | 0.00 | 1.83 | 0.14 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| EACH | INCR | 0.03846 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| EACH | INCR | -0.03846 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 10.80 | 10.70 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 419 | 10.70 | 10.60 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 420 | 10.60 | 10.50 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 421 | 10.50 | 10.40 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 422 | 10.40 | 10.30 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 423 | 10.30 | 10.20 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 424 | 10.20 | 10.10 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 425 | 10.10 | 10.00 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 426 | 10.00 | 9.90 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 427 | 9.90 | 9.80 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 428 | 9.80 | 9.70 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 429 | 9.70 | 9.60 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| 430 | 9.60 | 9.50 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 |
| TOT | | | | | 0.43 | | | | 131227.19 | 93600.00 | | | | | |

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 AVG                          0.0353        1.40  72.00                100.94
 CUM                                  118.74
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI   NCM   NCM
NO.   DIST  D.O.   RATE  DECAY SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY SETT  DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *     *     *    1/da 1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
418  10.700 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
419  10.600 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
420  10.500 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
421  10.400 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
422  10.300 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
423  10.200 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
424  10.100 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
425  10.000 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
426   9.900 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
427   9.800 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
428   9.700 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
429   9.600 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
430   9.500 7.37   0.62  0.08 0.00  0.00  0.00 0.00  0.00 5.78  5.78  5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.50  0.05 0.00  0.00  0.00 0.00  0.00 2.80            0.02 0.00  0.15 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  g/m³  #/100mL
418  10.700 31.50 0.00    0.00    0.00  5.70  6.00  0.00  6.00  0.00  1.82  0.14  0.00  1.96  0.00 38.00  0.00     0.  0.00
419  10.600 31.50 0.00    0.00    0.00  5.67  6.03  0.00  6.03  0.00  1.81  0.14  0.00  1.95  0.00 38.00  0.00     0.  0.00
420  10.500 31.50 0.00    0.00    0.00  5.65  6.05  0.00  6.05  0.00  1.80  0.14  0.00  1.94  0.00 38.00  0.00     0.  0.00
421  10.400 31.50 0.00    0.00    0.00  5.62  6.08  0.00  6.08  0.00  1.80  0.14  0.00  1.94  0.00 38.00  0.00     0.  0.00
422  10.300 31.50 0.00    0.00    0.00  5.60  6.10  0.00  6.10  0.00  1.79  0.14  0.00  1.93  0.00 38.00  0.00     0.  0.00
423  10.200 31.50 0.00    0.00    0.00  5.58  6.13  0.00  6.13  0.00  1.78  0.14  0.00  1.92  0.00 38.00  0.00     0.  0.00
424  10.100 31.50 0.00    0.00    0.00  5.55  6.15  0.00  6.15  0.00  1.78  0.14  0.00  1.92  0.00 38.00  0.00     0.  0.00
425  10.000 31.50 0.00    0.00    0.00  5.53  6.17  0.00  6.17  0.00  1.77  0.14  0.00  1.91  0.00 38.00  0.00     0.  0.00
426   9.900 31.50 0.00    0.00    0.00  5.51  6.20  0.00  6.20  0.00  1.76  0.14  0.00  1.90  0.00 38.00  0.00     0.  0.00
427   9.800 31.50 0.00    0.00    0.00  5.49  6.22  0.00  6.22  0.00  1.76  0.14  0.00  1.89  0.00 38.00  0.00     0.  0.00
428   9.700 31.50 0.00    0.00    0.00  5.47  6.25  0.00  6.25  0.00  1.75  0.14  0.00  1.89  0.00 38.00  0.00     0.  0.00
429   9.600 31.50 0.00    0.00    0.00  5.45  6.27  0.00  6.27  0.00  1.75  0.14  0.00  1.88  0.00 38.00  0.00     0.  0.00
430   9.500 31.50 0.00    0.00    0.00  5.42  6.36  0.00  6.36  0.00  1.78  0.13  0.00  1.92  0.00 38.00  0.00     0.  0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 13    unnamed canal to Brady C/Weir 2            Baseline Simulation for Lake Penchant and Bayou Penchant model
********************************************************** REACH INPUTS **********************************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.             deg C   ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
431  UPR RCH  3.56316  31.50    0.00    0.00    0.00  5.42  6.36  0.00  6.36  0.00  1.78  0.13  0.00  0.00 38.00    0.00    0.00
431  WSTLD    3.28477  30.00    0.00    0.00    0.00  5.00 10.00  0.00 10.00  0.00  4.00  0.05  0.00  0.00  0.00    0.00    0.00
****************************************************** HYDRAULIC PARAMETER VALUES ******************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.   DIST   DIST       EFF   VELO    TIME                         AREA   AREA    PRISM   VELO           VELO
      km     km       m³/s     m/s   days     m      m      m³      m²     m²      m³     m/s    m²/s    m/s
431   9.50   9.40   6.84793  48.0  0.06784   0.02   1.40  72.00  10094.40  7200.00  100.94    0.00  0.000    0.100  0.068
432   9.40   9.30   6.84793  48.0  0.06784   0.02   1.40  72.00  10094.40  7200.00  100.94    0.00  0.000    0.100  0.068
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 TOT                                0.03            20188.80   14400.00
 AVG                          0.0678         1.40   72.00                100.94
 CUM                                118.77
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI  NCM   NCM
NO.   DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY  SOD  SOD  SOD  DECAY  SETT  DECAY SRCE  RATE  SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
431   9.400  7.37   0.76  0.08  0.00  0.00  0.00  0.00  0.00  3.09  3.09  3.09  0.03  0.00  0.35  0.00  0.00  0.00  3.22  0.00  0.00  0.00  0.00
432   9.300  7.37   0.76  0.08  0.00  0.00  0.00  0.00  0.00  3.09  3.09  3.09  0.03  0.00  0.35  0.00  0.00  0.00  3.22  0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.62  0.05  0.00  0.00  0.00  0.00  0.00  1.50            0.02  0.00  0.15  0.00  0.00  0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
431   9.400  31.50  0.00    0.00    0.00  5.26  8.06  0.00  8.06  0.00  2.82  0.09  0.00  2.92  0.00  38.00    0.00      0.   0.00
432   9.300  31.50  0.00    0.00    0.00  5.29  8.05  0.00  8.05  0.00  2.82  0.10  0.00  2.92  0.00  38.00    0.00      0.   0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 14    Brady C/Weir 2 to Km#                    Baseline Simulation for Lake Penchant and Bayou Penchant model
********************************************************** REACH INPUTS **********************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.                deg C    ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
433  UPR RCH   6.84793   31.50    0.00    0.00    0.00  5.29  8.05  0.00  8.05  0.00  2.82  0.10  0.00  0.00  38.00    0.00    0.00
EACH  INCR     0.00212   30.00    0.00    0.00    0.00  5.00 10.00  0.00              0.85  0.10  0.04  0.00    0.00    0.00
433  WSTLD   -1.74630   31.57    0.00    0.00    0.00  5.31  8.03  0.00  8.03  0.00  2.82  0.10  0.00  0.00  38.00    0.00    0.00
********************************************************* HYDRAULIC PARAMETER VALUES *********************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.   DIST   DIST          EFF    VELO     TIME                          AREA   AREA    PRISM   VELO           VELO
      km     km       m³/s          m/s    days     m      m      m³       m²      m²       m³    m/s    m²/s   m/s
433   9.30   9.20   5.10375  48.0  0.05200    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
434   9.20   9.10   5.10588  47.9  0.05203    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
435   9.10   9.00   5.10800  47.9  0.05205    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
436   9.00   8.90   5.11013  47.9  0.05207    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
437   8.90   8.80   5.11225  47.9  0.05209    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
438   8.80   8.70   5.11438  47.9  0.05211    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
439   8.70   8.60   5.11650  47.8  0.05213    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
440   8.60   8.50   5.11863  47.8  0.05216    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
441   8.50   8.40   5.12075  47.8  0.05218    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
442   8.40   8.30   5.12288  47.8  0.05220    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
443   8.30   8.20   5.12500  47.8  0.05222    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
444   8.20   8.10   5.12713  47.7  0.05224    0.02   1.40  70.00  9.814.00   7000.00  98.14    0.00  0.000    0.100  0.052
TOT                                0.27            117768.00   84000.00
AVG                          0.0521         1.40   70.00                98.14
CUM                                119.04
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI  NCM   NCM
NO.   DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY  SOD  SOD  SOD  DECAY  SETT  DECAY SRCE  RATE  SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
433   9.200  7.36   0.67  0.09  0.00  0.00  0.00  0.00  0.00  3.11  3.11  3.11  0.03  0.00  0.35  0.00  0.00  0.00  3.23  0.00  0.00  0.00  0.00
434   9.100  7.35   0.67  0.09  0.00  0.00  0.00  0.00  0.00  3.12  3.12  3.12  0.03  0.00  0.35  0.00  0.00  0.00  3.24  0.00  0.00  0.00  0.00
435   9.000  7.34   0.67  0.09  0.00  0.00  0.00  0.00  0.00  3.13  3.13  3.13  0.03  0.00  0.35  0.00  0.00  0.00  3.25  0.00  0.00  0.00  0.00
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 436 | 8.900 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 8.800 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 8.700 | 7.32 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 8.600 | 7.31 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 8.500 | 7.30 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 8.400 | 7.29 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 8.300 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 8.200 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 8.100 | 7.27 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.54 0.05 0.00 0.00 0.00 0.00 0.00 1.50 0.02 0.00 0.15 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 433 | 9.200 | 31.57 | 0.00 | 0.00 | 0.00 | 5.31 | 8.03 | 0.00 | 8.03 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 434 | 9.100 | 31.63 | 0.00 | 0.00 | 0.00 | 5.34 | 8.02 | 0.00 | 8.02 | 0.00 | 2.82 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 435 | 9.000 | 31.70 | 0.00 | 0.00 | 0.00 | 5.38 | 8.01 | 0.00 | 8.01 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 436 | 8.900 | 31.77 | 0.00 | 0.00 | 0.00 | 5.41 | 7.99 | 0.00 | 7.99 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 437 | 8.800 | 31.83 | 0.00 | 0.00 | 0.00 | 5.44 | 7.98 | 0.00 | 7.98 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 438 | 8.700 | 31.90 | 0.00 | 0.00 | 0.00 | 5.47 | 7.96 | 0.00 | 7.96 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 439 | 8.600 | 31.97 | 0.00 | 0.00 | 0.00 | 5.50 | 7.95 | 0.00 | 7.95 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 440 | 8.500 | 32.03 | 0.00 | 0.00 | 0.00 | 5.53 | 7.93 | 0.00 | 7.93 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 441 | 8.400 | 32.10 | 0.00 | 0.00 | 0.00 | 5.56 | 7.92 | 0.00 | 7.92 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 442 | 8.300 | 32.17 | 0.00 | 0.00 | 0.00 | 5.59 | 7.90 | 0.00 | 7.90 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 443 | 8.200 | 32.23 | 0.00 | 0.00 | 0.00 | 5.62 | 7.89 | 0.00 | 7.89 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 444 | 8.100 | 32.30 | 0.00 | 0.00 | 0.00 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 15 Km# to Pipeline Canal Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | UPR RCH | 5.12713 | 32.30 | 0.00 | 0.00 | 0.00 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00279 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 0.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | 8.10 | 8.00 | 5.12992 | 47.7 | 0.05629 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 446 | 8.00 | 7.90 | 5.13271 | 47.7 | 0.05632 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 447 | 7.90 | 7.80 | 5.13551 | 47.7 | 0.05635 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 448 | 7.80 | 7.70 | 5.13830 | 47.6 | 0.05638 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 449 | 7.70 | 7.60 | 5.14109 | 47.6 | 0.05641 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 450 | 7.60 | 7.50 | 5.14389 | 47.6 | 0.05645 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 451 | 7.50 | 7.40 | 5.14668 | 47.6 | 0.05648 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 |
| 452 | 7.40 | 7.30 | 5.14947 | 47.5 | 0.05651 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 453 | 7.30 | 7.20 | 5.15227 | 47.5 | 0.05654 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 454 | 7.20 | 7.10 | 5.15506 | 47.5 | 0.05657 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 455 | 7.10 | 7.00 | 5.15785 | 47.4 | 0.05660 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 456 | 7.00 | 6.90 | 5.16065 | 47.4 | 0.05663 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 457 | 6.90 | 6.80 | 5.16344 | 47.4 | 0.05666 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 458 | 6.80 | 6.70 | 5.16623 | 47.4 | 0.05669 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 459 | 6.70 | 6.60 | 5.16903 | 47.3 | 0.05672 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 460 | 6.60 | 6.50 | 5.17182 | 47.3 | 0.05675 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 461 | 6.50 | 6.40 | 5.17461 | 47.3 | 0.05678 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 462 | 6.40 | 6.30 | 5.17741 | 47.3 | 0.05681 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 463 | 6.30 | 6.20 | 5.18020 | 47.2 | 0.05684 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 464 | 6.20 | 6.10 | 5.18299 | 47.2 | 0.05687 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 465 | 6.10 | 6.00 | 5.18579 | 47.2 | 0.05691 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 466 | 6.00 | 5.90 | 5.18858 | 47.2 | 0.05694 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 467 | 5.90 | 5.80 | 5.19137 | 47.1 | 0.05697 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 468 | 5.80 | 5.70 | 5.19417 | 47.1 | 0.05700 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 469 | 5.70 | 5.60 | 5.19696 | 47.1 | 0.05703 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 470 | 5.60 | 5.50 | 5.19975 | 47.1 | 0.05706 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 471 | 5.50 | 5.40 | 5.20255 | 47.0 | 0.05709 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 472 | 5.40 | 5.30 | 5.20534 | 47.0 | 0.05712 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 473 | 5.30 | 5.20 | 5.20813 | 47.0 | 0.05715 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 474 | 5.20 | 5.10 | 5.21093 | 47.0 | 0.05718 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 475 | 5.10 | 5.00 | 5.21372 | 46.9 | 0.05721 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 476 | 5.00 | 4.90 | 5.21651 | 46.9 | 0.05724 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 477 | 4.90 | 4.80 | 5.21931 | 46.9 | 0.05727 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 478 | 4.80 | 4.70 | 5.22210 | 46.9 | 0.05730 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 479 | 4.70 | 4.60 | 5.22489 | 46.8 | 0.05733 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 480 | 4.60 | 4.50 | 5.22769 | 46.8 | 0.05737 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 481 | 4.50 | 4.40 | 5.23048 | 46.8 | 0.05740 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 482 | 4.40 | 4.30 | 5.23327 | 46.8 | 0.05743 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 483 | 4.30 | 4.20 | 5.23607 | 46.7 | 0.05746 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 484 | 4.20 | 4.10 | 5.23886 | 46.7 | 0.05749 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 485 | 4.10 | 4.00 | 5.24165 | 46.7 | 0.05752 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 486 | 4.00 | 3.90 | 5.24445 | 46.7 | 0.05755 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 487 | 3.90 | 3.80 | 5.24724 | 46.6 | 0.05758 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 488 | 3.80 | 3.70 | 5.25003 | 46.6 | 0.05761 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 489 | 3.70 | 3.60 | 5.25283 | 46.6 | 0.05764 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 490 | 3.60 | 3.50 | 5.25562 | 46.6 | 0.05767 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 491 | 3.50 | 3.40 | 5.25841 | 46.5 | 0.05770 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 492 | 3.40 | 3.30 | 5.26121 | 46.5 | 0.05773 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 493 | 3.30 | 3.20 | 5.26400 | 46.5 | 0.05776 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 494 | 3.20 | 3.10 | 5.26679 | 46.5 | 0.05779 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 495 | 3.10 | 3.00 | 5.26959 | 46.4 | 0.05782 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 496 | 3.00 | 2.90 | 5.27238 | 46.4 | 0.05786 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 497 | 2.90 | 2.80 | 5.27517 | 46.4 | 0.05789 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 498 | 2.80 | 2.70 | 5.27797 | 46.4 | 0.05792 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 499 | 2.70 | 2.60 | 5.28076 | 46.3 | 0.05795 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 500 | 2.60 | 2.50 | 5.28355 | 46.3 | 0.05798 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 501 | 2.50 | 2.40 | 5.28635 | 46.3 | 0.05801 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 502 | 2.40 | 2.30 | 5.28914 | 46.3 | 0.05804 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 503 | 2.30 | 2.20 | 5.29193 | 46.2 | 0.05807 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 504 | 2.20 | 2.10 | 5.29473 | 46.2 | 0.05810 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 505 | 2.10 | 2.00 | 5.29752 | 46.2 | 0.05813 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 506 | 2.00 | 1.90 | 5.30031 | 46.2 | 0.05816 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 507 | 1.90 | 1.80 | 5.30311 | 46.1 | 0.05819 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 508 | 1.80 | 1.70 | 5.30590 | 46.1 | 0.05822 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 509 | 1.70 | 1.60 | 5.30869 | 46.1 | 0.05825 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 510 | 1.60 | 1.50 | 5.31149 | 46.1 | 0.05828 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 511 | 1.50 | 1.40 | 5.31428 | 46.1 | 0.05832 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 512 | 1.40 | 1.30 | 5.31707 | 46.0 | 0.05835 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 513 | 1.30 | 1.20 | 5.31987 | 46.0 | 0.05838 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 514 | 1.20 | 1.10 | 5.32266 | 46.0 | 0.05841 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 515 | 1.10 | 1.00 | 5.32545 | 46.0 | 0.05844 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 516 | 1.00 | 0.90 | 5.32825 | 45.9 | 0.05847 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 517 | 0.90 | 0.80 | 5.33104 | 45.9 | 0.05850 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| TOT | | | | | 1.47 | | | 665249.00 | 474500.00 | | | | | | |
| AVG | | | | 0.0574 | | | 1.40 | 65.00 | | | 91.13 | | | | |
| CUM | | | | | 120.51 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SETT * | BKGD DECAY * | FULL SOD 1/da | CORR SOD 1/da | ORGN DECAY * | ORGN SETT ** | NH3 DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD * | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | 8.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 7.900 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 7.800 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 7.700 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 7.600 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 7.500 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 7.400 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 7.300 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 7.200 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 7.100 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 7.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 6.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 6.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 6.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 6.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 6.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 6.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 6.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 6.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 6.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 6.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 5.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 5.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 5.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 5.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 5.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 5.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 5.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 5.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 5.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 5.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 4.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 4.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 478 | 4.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 4.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 4.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 4.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 4.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 4.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 4.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 4.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 3.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 3.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 3.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 3.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 3.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 3.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 3.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 3.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 3.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 3.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 2.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 2.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 2.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 2.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 2.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 2.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 2.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 2.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 2.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 2.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 1.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 1.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 1.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 1.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 1.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 1.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 1.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 1.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 1.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 1.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 0.900 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 0.800 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.57 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN $g/m^3$ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | 8.000 | 32.30 | 0.00 | 0.00 | 0.00 | 5.67 | 7.86 | 0.00 | 7.86 | 0.00 | 2.79 | 0.11 | 0.00 | 2.90 | 0.00 | 37.89 | 0.00 | 0. | 0.00 |
| 446 | 7.900 | 32.30 | 0.00 | 0.00 | 0.00 | 5.70 | 7.85 | 0.00 | 7.85 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.78 | 0.00 | 0. | 0.00 |
| 447 | 7.800 | 32.30 | 0.00 | 0.00 | 0.00 | 5.72 | 7.84 | 0.00 | 7.84 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.67 | 0.00 | 0. | 0.00 |
| 448 | 7.700 | 32.30 | 0.00 | 0.00 | 0.00 | 5.75 | 7.82 | 0.00 | 7.82 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.56 | 0.00 | 0. | 0.00 |
| 449 | 7.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.77 | 7.81 | 0.00 | 7.81 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.45 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 7.500 | 32.30 | 0.00 | 0.00 | 0.00 | 5.79 | 7.80 | 0.00 | 7.80 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.34 | 0.00 | 0. | 0.00 |
| 451 | 7.400 | 32.30 | 0.00 | 0.00 | 0.00 | 5.82 | 7.78 | 0.00 | 7.78 | 0.00 | 2.78 | 0.11 | 0.00 | 2.88 | 0.00 | 37.23 | 0.00 | 0. | 0.00 |
| 452 | 7.300 | 32.30 | 0.00 | 0.00 | 0.00 | 5.84 | 7.77 | 0.00 | 7.77 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.12 | 0.00 | 0. | 0.00 |
| 453 | 7.200 | 32.30 | 0.00 | 0.00 | 0.00 | 5.86 | 7.76 | 0.00 | 7.76 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.01 | 0.00 | 0. | 0.00 |
| 454 | 7.100 | 32.30 | 0.00 | 0.00 | 0.00 | 5.88 | 7.75 | 0.00 | 7.75 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.90 | 0.00 | 0. | 0.00 |
| 455 | 7.000 | 32.30 | 0.00 | 0.00 | 0.00 | 5.90 | 7.73 | 0.00 | 7.73 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.79 | 0.00 | 0. | 0.00 |
| 456 | 6.900 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 7.72 | 0.00 | 7.72 | 0.00 | 2.76 | 0.11 | 0.00 | 2.88 | 0.00 | 36.68 | 0.00 | 0. | 0.00 |
| 457 | 6.800 | 32.30 | 0.00 | 0.00 | 0.00 | 5.94 | 7.71 | 0.00 | 7.71 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.58 | 0.00 | 0. | 0.00 |
| 458 | 6.700 | 32.30 | 0.00 | 0.00 | 0.00 | 5.96 | 7.70 | 0.00 | 7.70 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.47 | 0.00 | 0. | 0.00 |
| 459 | 6.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.98 | 7.68 | 0.00 | 7.68 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.36 | 0.00 | 0. | 0.00 |
| 460 | 6.500 | 32.30 | 0.00 | 0.00 | 0.00 | 5.99 | 7.67 | 0.00 | 7.67 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.25 | 0.00 | 0. | 0.00 |
| 461 | 6.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.01 | 7.66 | 0.00 | 7.66 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.14 | 0.00 | 0. | 0.00 |
| 462 | 6.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.03 | 7.65 | 0.00 | 7.65 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 36.03 | 0.00 | 0. | 0.00 |
| 463 | 6.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.05 | 7.63 | 0.00 | 7.63 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 35.92 | 0.00 | 0. | 0.00 |
| 464 | 6.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.06 | 7.62 | 0.00 | 7.62 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.81 | 0.00 | 0. | 0.00 |
| 465 | 6.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.08 | 7.61 | 0.00 | 7.61 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.70 | 0.00 | 0. | 0.00 |
| 466 | 5.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.09 | 7.60 | 0.00 | 7.60 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.59 | 0.00 | 0. | 0.00 |
| 467 | 5.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.11 | 7.58 | 0.00 | 7.58 | 0.00 | 2.74 | 0.12 | 0.00 | 2.85 | 0.00 | 35.48 | 0.00 | 0. | 0.00 |
| 468 | 5.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.12 | 7.57 | 0.00 | 7.57 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.37 | 0.00 | 0. | 0.00 |
| 469 | 5.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.14 | 7.56 | 0.00 | 7.56 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.26 | 0.00 | 0. | 0.00 |
| 470 | 5.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.15 | 7.55 | 0.00 | 7.55 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.15 | 0.00 | 0. | 0.00 |
| 471 | 5.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.16 | 7.54 | 0.00 | 7.54 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.04 | 0.00 | 0. | 0.00 |
| 472 | 5.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.18 | 7.52 | 0.00 | 7.52 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.93 | 0.00 | 0. | 0.00 |
| 473 | 5.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.19 | 7.51 | 0.00 | 7.51 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.82 | 0.00 | 0. | 0.00 |
| 474 | 5.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.20 | 7.50 | 0.00 | 7.50 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.71 | 0.00 | 0. | 0.00 |
| 475 | 5.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.21 | 7.49 | 0.00 | 7.49 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.60 | 0.00 | 0. | 0.00 |
| 476 | 4.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.22 | 7.48 | 0.00 | 7.48 | 0.00 | 2.71 | 0.12 | 0.00 | 2.84 | 0.00 | 34.49 | 0.00 | 0. | 0.00 |
| 477 | 4.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.23 | 7.46 | 0.00 | 7.46 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.38 | 0.00 | 0. | 0.00 |
| 478 | 4.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.24 | 7.45 | 0.00 | 7.45 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.27 | 0.00 | 0. | 0.00 |
| 479 | 4.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.26 | 7.44 | 0.00 | 7.44 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.16 | 0.00 | 0. | 0.00 |
| 480 | 4.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.27 | 7.43 | 0.00 | 7.43 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 34.05 | 0.00 | 0. | 0.00 |
| 481 | 4.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.27 | 7.42 | 0.00 | 7.42 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 33.95 | 0.00 | 0. | 0.00 |
| 482 | 4.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.28 | 7.40 | 0.00 | 7.40 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.84 | 0.00 | 0. | 0.00 |
| 483 | 4.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.29 | 7.39 | 0.00 | 7.39 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.73 | 0.00 | 0. | 0.00 |
| 484 | 4.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.30 | 7.38 | 0.00 | 7.38 | 0.00 | 2.70 | 0.13 | 0.00 | 2.82 | 0.00 | 33.62 | 0.00 | 0. | 0.00 |
| 485 | 4.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.31 | 7.37 | 0.00 | 7.37 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.51 | 0.00 | 0. | 0.00 |
| 486 | 3.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.32 | 7.36 | 0.00 | 7.36 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.40 | 0.00 | 0. | 0.00 |
| 487 | 3.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.33 | 7.35 | 0.00 | 7.35 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.29 | 0.00 | 0. | 0.00 |
| 488 | 3.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.33 | 7.33 | 0.00 | 7.33 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.18 | 0.00 | 0. | 0.00 |
| 489 | 3.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.34 | 7.32 | 0.00 | 7.32 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.07 | 0.00 | 0. | 0.00 |
| 490 | 3.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.35 | 7.31 | 0.00 | 7.31 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.96 | 0.00 | 0. | 0.00 |
| 491 | 3.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.35 | 7.30 | 0.00 | 7.30 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.85 | 0.00 | 0. | 0.00 |
| 492 | 3.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.36 | 7.29 | 0.00 | 7.29 | 0.00 | 2.68 | 0.13 | 0.00 | 2.80 | 0.00 | 32.74 | 0.00 | 0. | 0.00 |
| 493 | 3.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.37 | 7.28 | 0.00 | 7.28 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.63 | 0.00 | 0. | 0.00 |
| 494 | 3.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.37 | 7.27 | 0.00 | 7.27 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.52 | 0.00 | 0. | 0.00 |
| 495 | 3.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.38 | 7.25 | 0.00 | 7.25 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.41 | 0.00 | 0. | 0.00 |
| 496 | 2.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.38 | 7.24 | 0.00 | 7.24 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.30 | 0.00 | 0. | 0.00 |
| 497 | 2.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 7.23 | 0.00 | 7.23 | 0.00 | 2.66 | 0.13 | 0.00 | 2.80 | 0.00 | 32.19 | 0.00 | 0. | 0.00 |
| 498 | 2.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 7.22 | 0.00 | 7.22 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.08 | 0.00 | 0. | 0.00 |
| 499 | 2.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.40 | 7.21 | 0.00 | 7.21 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.97 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 2.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.40 | 7.20 | 0.00 | 7.20 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.86 | 0.00 | 0. | 0.00 |
| 501 | 2.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.19 | 0.00 | 7.19 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.75 | 0.00 | 0. | 0.00 |
| 502 | 2.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.18 | 0.00 | 7.18 | 0.00 | 2.65 | 0.13 | 0.00 | 2.79 | 0.00 | 31.64 | 0.00 | 0. | 0.00 |
| 503 | 2.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.17 | 0.00 | 7.17 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.53 | 0.00 | 0. | 0.00 |
| 504 | 2.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.15 | 0.00 | 7.15 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.42 | 0.00 | 0. | 0.00 |
| 505 | 2.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.14 | 0.00 | 7.14 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.32 | 0.00 | 0. | 0.00 |
| 506 | 1.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.13 | 0.00 | 7.13 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.21 | 0.00 | 0. | 0.00 |
| 507 | 1.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.12 | 0.00 | 7.12 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.10 | 0.00 | 0. | 0.00 |
| 508 | 1.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.11 | 0.00 | 7.11 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.99 | 0.00 | 0. | 0.00 |
| 509 | 1.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.10 | 0.00 | 7.10 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.88 | 0.00 | 0. | 0.00 |
| 510 | 1.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.09 | 0.00 | 7.09 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.77 | 0.00 | 0. | 0.00 |
| 511 | 1.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.08 | 0.00 | 7.08 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.66 | 0.00 | 0. | 0.00 |
| 512 | 1.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.07 | 0.00 | 7.07 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.55 | 0.00 | 0. | 0.00 |
| 513 | 1.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.06 | 0.00 | 7.06 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.44 | 0.00 | 0. | 0.00 |
| 514 | 1.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.33 | 0.00 | 0. | 0.00 |
| 515 | 1.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.03 | 0.00 | 7.03 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.22 | 0.00 | 0. | 0.00 |
| 516 | 0.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.02 | 0.00 | 7.02 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.11 | 0.00 | 0. | 0.00 |
| 517 | 0.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 16 Pipeline Canal to Corasaw conf. Baseline Simulation for Lake Penchant and Bayou Penchant model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS µg/L | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | UPR RCH | 5.33104 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00319 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | | 0.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.80 | 0.70 | 5.33423 | 45.9 | 0.05853 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 519 | 0.70 | 0.60 | 5.33741 | 45.9 | 0.05857 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 520 | 0.60 | 0.50 | 5.34060 | 45.8 | 0.05860 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 521 | 0.50 | 0.40 | 5.34379 | 45.8 | 0.05864 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 522 | 0.40 | 0.30 | 5.34698 | 45.8 | 0.05867 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 523 | 0.30 | 0.20 | 5.35016 | 45.7 | 0.05871 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 524 | 0.20 | 0.10 | 5.35335 | 45.7 | 0.05874 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 525 | 0.10 | 0.00 | 5.35654 | 45.7 | 0.05878 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| TOT | | | | | 0.16 | | | | 72904.00 | 52000.00 | | | | | |
| AVG | | | | 0.0587 | | 1.40 | 65.00 | | | | 91.13 | | | | |
| CUM | | | | | 120.67 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY * | SRCE ** | NH3 RATE ** | NH3 SRCE 1/da | DENIT PROD 1/da | PO4 PROD * | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.700 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 519 | 0.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 520 | 0.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 521 | 0.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 522 | 0.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 523 | 0.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

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524   0.100  7.27   0.72   0.09  0.00   0.00   0.00  0.00   0.00  3.25  3.25  3.25   0.03  0.00   0.38  0.00   0.00  0.00  2.18  0.00   0.00   0.00   0.00
525   0.000  7.27   0.72   0.09  0.00   0.00   0.00  0.00   0.00  3.25  3.25  3.25   0.03  0.00   0.38  0.00   0.00  0.00  2.11  0.00   0.00   0.00   0.00
AVG 20 DEG C RATE    0.57   0.05  0.00   0.00   0.00  0.00   0.00  1.50            0.02  0.00   0.15  0.00   0.00  0.00              0.00   0.00   0.00
*  g/m²/d          **   mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING   TEMP  SALN    CM-I   CM-II   DO   BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   TOTN   PHOS  CHL A   MACRO    COLI     NCM
NO.    DIST  DEG C   PPT                 mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m³  #/100mL
518   0.700  32.30  0.00    0.00    0.00  6.44   7.00   0.00   7.00   0.00   2.62   0.14   0.00   2.75   0.00  29.25   0.00      0.   0.00
519   0.600  32.30  0.00    0.00    0.00  6.44   6.99   0.00   6.99   0.00   2.61   0.14   0.00   2.75   0.00  28.50   0.00      0.   0.00
520   0.500  32.30  0.00    0.00    0.00  6.43   6.98   0.00   6.98   0.00   2.61   0.14   0.00   2.75   0.00  27.75   0.00      0.   0.00
521   0.400  32.30  0.00    0.00    0.00  6.43   6.97   0.00   6.97   0.00   2.61   0.14   0.00   2.75   0.00  27.00   0.00      0.   0.00
522   0.300  32.30  0.00    0.00    0.00  6.42   6.96   0.00   6.96   0.00   2.61   0.14   0.00   2.74   0.00  26.25   0.00      0.   0.00
523   0.200  32.30  0.00    0.00    0.00  6.42   6.95   0.00   6.95   0.00   2.61   0.14   0.00   2.74   0.00  25.50   0.00      0.   0.00
524   0.100  32.30  0.00    0.00    0.00  6.41   6.94   0.00   6.94   0.00   2.60   0.14   0.00   2.74   0.00  24.75   0.00      0.   0.00
525   0.000  32.30  0.00    0.00    0.00  6.39   6.98   0.00   6.98   0.00   2.59   0.14   0.00   2.73   0.00  24.00   0.00      0.   0.00
STREAM SUMMARY                                    LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Station 935                                  Baseline Simulation for Lake Penchant and Bayou Penchant model
 TRAVEL TIME      =        120.67 DAYS
 MAXIMUM EFFLUENT  =        47.97 PERCENT
 FLOW            =  0.03776 TO    6.84793   m³/s
 DISPERSION       =  0.0000  TO    0.3000    m²/s
 VELOCITY         =  0.00006 TO    0.06784   m/s
 DEPTH            =  1.40    TO    1.77      m
 WIDTH            = 35.00    TO  ******      m
 BOD DECAY        =   0.08   TO    0.09      per day
 NH3 DECAY        =   0.22   TO    0.38      per day
 SOD              =   1.20   TO    5.78      g/m²/d
 NH3 SOURCE       =   0.00   TO    0.00      g/m²/d
 REAERATION       =   0.48   TO    0.76      per day
 BOD SETTLING     =   0.00   TO    0.00      per day
 ORG-N DECAY      =   0.02   TO    0.03      per day
 ORG-N SETTLING   =   0.00   TO    0.00      per day
 TEMPERATURE      =  31.00   TO   32.30      deg C
 DISSOLVED OXYGEN =   4.90   TO    7.03      mg/L
LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Baseline Simulation for Lake Penchant and Bayou Penchant model
REACH SUMMARY REPORT FOR Bayou Chene
 RCH REACH NAME                    BEGIN   ENDING   REACH   TRAVEL   FLOW AT   AVERAGE    AVG    AVG   FLOW AT   AVERAGE    AVG    AVG
 NO.                                DIST     DIST   LENGTH    TIME      EOR      VELO   DEPTH   WIDTH     EOR      VELO   DEPTH   WIDTH
                                    km       km      km      days     m3/s      m/s      m       m      cfs      fps      ft      ft
  1  Bayou Chene to Blackbird Bayou      35.10    31.80    3.30     0.30  17.18667   0.12803   1.000  135.00   606.861    0.420   3.281  442.93
  2  Blackbird Bayou to 120401-G         31.80    19.10   12.70     0.95  16.98659   0.15532   1.000  110.00   599.796    0.510   3.281  360.91
  3  120401-G to Turtle Bayou            19.10    13.90    5.20     0.73  13.02979   0.08250   1.768   90.00   460.082    0.271   5.801  295.29
  4  Turtle Bayou to Carenero Bayou      13.90     9.90    4.00     0.87  14.52880   0.05337   1.768  155.00   513.012    0.175   5.801  508.55
  5  Carenero Bayou to un canal 2         9.90     3.60    6.30     2.22   5.11729   0.03277   1.768   90.00   180.692    0.108   5.801  295.29
  6  un canal 2 to Corasaw conf.          3.60     0.60    3.00     1.35   4.91729   0.02578   1.768  110.00   173.630    0.085   5.801  360.91
 17  Corasaw conf. to 120401-C            0.60     0.00    0.60     0.08  10.27383   0.08327   1.402   88.00   362.769    0.273   4.600  288.73
LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Baseline Simulation for Lake Penchant and Bayou Penchant model
REACH SUMMARY REPORT FOR Station 935
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| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 935 to Peoples Canal and L.P | 18.00 | 15.80 | 2.20 | 41.73 | 0.03776 | 0.00061 | 1.768 | 35.00 | 1.333 | 0.002 | 5.801 | 114.83 |
| 8 | Peoples C. and L.P to N. Outlet | 15.80 | 14.90 | 0.90 | 64.77 | 1.57536 | 0.00016 | 1.768 | 2131.00 | 55.626 | 0.001 | 5.801 | 6991.81 |
| 9 | N. Outlet to L. Penchant W. Sid | 14.90 | 13.60 | 1.30 | 10.39 | 3.56316 | 0.00145 | 1.768 | 983.00 | 125.815 | 0.005 | 5.801 | 3225.22 |
| 10 | L. P. W. Side to L. P W. Outlet | 13.60 | 12.70 | 0.90 | 0.76 | 3.56316 | 0.01362 | 1.768 | 148.00 | 125.815 | 0.045 | 5.801 | 485.59 |
| 11 | L. P W. Outlet to Superior Cana | 12.70 | 10.80 | 1.90 | 0.67 | 3.56316 | 0.03304 | 1.768 | 61.00 | 125.815 | 0.108 | 5.801 | 200.14 |
| 12 | Superior Canal to un canal 1 | 10.80 | 9.50 | 1.30 | 0.43 | 3.56316 | 0.03530 | 1.402 | 72.00 | 125.815 | 0.116 | 4.600 | 236.23 |
| 13 | unnamed canal to Brady C/Weir 2 | 9.50 | 9.30 | 0.20 | 0.03 | 6.84793 | 0.06784 | 1.402 | 72.00 | 241.800 | 0.223 | 4.600 | 236.23 |
| 14 | Brady C/Weir 2 to Km# | 9.30 | 8.10 | 1.20 | 0.27 | 5.12713 | 0.05212 | 1.402 | 70.00 | 181.039 | 0.171 | 4.600 | 229.67 |
| 15 | Km# to Pipeline Canal | 8.10 | 0.80 | 7.30 | 1.47 | 5.33104 | 0.05739 | 1.402 | 65.00 | 188.239 | 0.188 | 4.600 | 213.26 |
| 16 | Pipeline Canal to Corasaw conf. | 0.80 | 0.00 | 0.80 | 0.16 | 5.35654 | 0.05866 | 1.402 | 65.00 | 189.139 | 0.192 | 4.600 | 213.26 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9314. | 0. | -9302. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -68. | 0. | 0. | 0. | 79. | 0. | 0. | -9427.8 | 9427.7 | 0.00 |
| 2 | 9302. | 0. | -9291. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -68. | 0. | 0. | 0. | 80. | 0. | 0. | -9416.7 | 9416.7 | 0.00 |
| 3 | 9291. | 0. | -9280. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9405.9 | 9405.9 | 0.00 |
| 4 | 9280. | 0. | -9269. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9395.2 | 9395.2 | 0.00 |
| 5 | 9269. | 0. | -9259. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9384.8 | 9384.8 | 0.00 |
| 6 | 9259. | 0. | -9248. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9374.5 | 9374.5 | 0.00 |
| 7 | 9248. | 0. | -9238. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9364.5 | 9364.5 | 0.00 |
| 8 | 9238. | 0. | -9228. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9354.6 | 9354.6 | 0.00 |
| 9 | 9228. | 0. | -9218. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9344.9 | 9344.9 | 0.00 |
| 10 | 9218. | 0. | -9209. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9335.4 | 9335.4 | 0.00 |
| 11 | 9209. | 0. | -9199. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9326.0 | 9326.0 | 0.00 |
| 12 | 9199. | 0. | -9190. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9316.8 | 9316.8 | 0.00 |
| 13 | 9190. | 0. | -9181. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9307.8 | 9307.8 | 0.00 |
| 14 | 9181. | 0. | -9172. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9299.0 | 9299.0 | 0.00 |
| 15 | 9172. | 0. | -9163. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9290.3 | 9290.3 | 0.00 |
| 16 | 9163. | 0. | -9154. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9281.8 | 9281.8 | 0.00 |
| 17 | 9154. | 0. | -9146. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9273.5 | 9273.5 | 0.00 |
| 18 | 9146. | 0. | -9138. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9265.3 | 9265.3 | 0.00 |
| 19 | 9138. | 0. | -9130. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9257.3 | 9257.3 | 0.00 |
| 20 | 9130. | 0. | -9122. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9249.4 | 9249.4 | 0.00 |
| 21 | 9122. | 0. | -9114. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9241.7 | 9241.7 | 0.00 |
| 22 | 9114. | 0. | -9106. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9234.1 | 9234.1 | 0.00 |
| 23 | 9106. | 0. | -9099. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9226.7 | 9226.7 | 0.00 |
| 24 | 9099. | 0. | -9091. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9219.4 | 9219.4 | 0.00 |
| 25 | 9091. | 0. | -9084. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9212.3 | 9212.3 | 0.00 |
| 26 | 9084. | 0. | -9077. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9205.3 | 9205.3 | 0.00 |
| 27 | 9077. | 0. | -9070. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 86. | 0. | 0. | -9198.5 | 9198.5 | 0.00 |
| 28 | 9070. | 0. | -9063. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9191.8 | 9191.8 | 0.00 |
| 29 | 9063. | 0. | -9056. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9185.2 | 9185.2 | 0.00 |
| 30 | 9056. | 0. | -9050. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9178.7 | 9178.7 | 0.00 |
| 31 | 9050. | 0. | -9043. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9172.4 | 9172.4 | 0.00 |
| 32 | 9043. | 0. | -9037. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9166.3 | 9166.3 | 0.00 |
| 33 | 9037. | 0. | -9031. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9160.2 | 9160.2 | 0.00 |
| 34 | 9031. | 0. | -9023. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9145.7 | 9145.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 9023. | 0. | -9015. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9138.0 | 9138.0 | 0.00 | | | |
| 36 | 9015. | 0. | -9008. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9130.4 | 9130.4 | 0.00 | | | |
| 37 | 9008. | 0. | -9000. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9122.8 | 9122.8 | 0.00 | | | |
| 38 | 9000. | 0. | -8992. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9115.2 | 9115.2 | 0.00 | | | |
| 39 | 8992. | 0. | -8985. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9107.7 | 9107.7 | 0.00 | | | |
| 40 | 8985. | 0. | -8977. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9100.2 | 9100.2 | 0.00 | | | |
| 41 | 8977. | 0. | -8969. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9092.7 | 9092.7 | 0.00 | | | |
| 42 | 8969. | 0. | -8962. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9085.2 | 9085.2 | 0.00 | | | |
| 43 | 8962. | 0. | -8954. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9077.8 | 9077.8 | 0.00 | | | |
| 44 | 8954. | 0. | -8947. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9070.4 | 9070.4 | 0.00 | | | |
| 45 | 8947. | 0. | -8939. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9063.1 | 9063.1 | 0.00 | | | |
| 46 | 8939. | 0. | -8932. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9055.8 | 9055.8 | 0.00 | | | |
| 47 | 8932. | 0. | -8925. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9048.5 | 9048.5 | 0.00 | | | |
| 48 | 8925. | 0. | -8917. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9041.2 | 9041.2 | 0.00 | | | |
| 49 | 8917. | 0. | -8910. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9034.0 | 9034.0 | 0.00 | | | |
| 50 | 8910. | 0. | -8903. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9026.8 | 9026.8 | 0.00 | | | |
| 51 | 8903. | 0. | -8895. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9019.6 | 9019.6 | 0.00 | | | |
| 52 | 8895. | 0. | -8888. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9012.5 | 9012.5 | 0.00 | | | |
| 53 | 8888. | 0. | -8881. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9005.3 | 9005.3 | 0.00 | | | |
| 54 | 8881. | 0. | -8874. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8998.3 | 8998.3 | 0.00 | | | |
| 55 | 8874. | 0. | -8867. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8991.2 | 8991.2 | 0.00 | | | |
| 56 | 8867. | 0. | -8859. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8984.2 | 8984.2 | 0.00 | | | |
| 57 | 8859. | 0. | -8852. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8977.2 | 8977.2 | 0.00 | | | |
| 58 | 8852. | 0. | -8845. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8970.2 | 8970.2 | 0.00 | | | |
| 59 | 8845. | 0. | -8838. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8963.3 | 8963.3 | 0.00 | | | |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 8838. | 0. | -8831. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8956.4 | 8956.4 | 0.00 | | | |
| 61 | 8831. | 0. | -8824. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8949.5 | 8949.5 | 0.00 | | | |
| 62 | 8824. | 0. | -8817. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8942.7 | 8942.7 | 0.00 | | | |
| 63 | 8817. | 0. | -8810. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8935.9 | 8935.9 | 0.00 | | | |
| 64 | 8810. | 0. | -8804. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8929.1 | 8929.1 | 0.00 | | | |
| 65 | 8804. | 0. | -8797. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8922.3 | 8922.3 | 0.00 | | | |
| 66 | 8797. | 0. | -8790. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8915.6 | 8915.6 | 0.00 | | | |
| 67 | 8790. | 0. | -8783. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8908.9 | 8908.9 | 0.00 | | | |
| 68 | 8783. | 0. | -8776. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8902.2 | 8902.2 | 0.00 | | | |
| 69 | 8776. | 0. | -8770. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8895.6 | 8895.6 | 0.00 | | | |
| 70 | 8770. | 0. | -8763. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8889.0 | 8889.0 | 0.00 | | | |
| 71 | 8763. | 0. | -8756. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8882.4 | 8882.4 | 0.00 | | | |
| 72 | 8756. | 0. | -8750. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8875.8 | 8875.8 | 0.00 | | | |
| 73 | 8750. | 0. | -8743. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8869.3 | 8869.3 | 0.00 | | | |
| 74 | 8743. | 0. | -8736. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8862.8 | 8862.8 | 0.00 | | | |
| 75 | 8736. | 0. | -8730. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8856.3 | 8856.3 | 0.00 | | | |
| 76 | 8730. | 0. | -8723. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8849.9 | 8849.9 | 0.00 | | | |
| 77 | 8723. | 0. | -8717. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8843.5 | 8843.5 | 0.00 | | | |
| 78 | 8717. | 0. | -8710. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8837.1 | 8837.1 | 0.00 | | | |
| 79 | 8710. | 0. | -8704. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8830.7 | 8830.7 | 0.00 | | | |
| 80 | 8704. | 0. | -8697. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8824.4 | 8824.4 | 0.00 | | | |
| 81 | 8697. | 0. | -8691. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8818.1 | 8818.1 | 0.00 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 8691. | 0. | -8685. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8811.8 | 8811.8 | 0.00 |
| 83 | 8685. | 0. | -8678. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8805.6 | 8805.6 | 0.00 |
| 84 | 8678. | 0. | -8672. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8799.3 | 8799.3 | 0.00 |
| 85 | 8672. | 0. | -8666. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8793.2 | 8793.1 | 0.00 |
| 86 | 8666. | 0. | -8660. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8787.0 | 8787.0 | 0.00 |
| 87 | 8660. | 0. | -8653. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8780.8 | 8780.8 | 0.00 |
| 88 | 8653. | 0. | -8647. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8774.7 | 8774.7 | 0.00 |
| 89 | 8647. | 0. | -8641. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8768.6 | 8768.6 | 0.00 |
| 90 | 8641. | 0. | -8635. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8762.6 | 8762.6 | 0.00 |
| 91 | 8635. | 0. | -8629. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8756.6 | 8756.6 | 0.00 |
| 92 | 8629. | 0. | -8623. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8750.5 | 8750.5 | 0.00 |
| 93 | 8623. | 0. | -8617. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8744.6 | 8744.6 | 0.00 |
| 94 | 8617. | 0. | -8611. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8738.6 | 8738.6 | 0.00 |
| 95 | 8611. | 0. | -8605. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8732.7 | 8732.7 | 0.00 |
| 96 | 8605. | 0. | -8599. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8726.8 | 8726.8 | 0.00 |
| 97 | 8599. | 0. | -8593. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8720.9 | 8720.9 | 0.00 |
| 98 | 8593. | 0. | -8587. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8715.1 | 8715.1 | 0.00 |
| 99 | 8587. | 0. | -8581. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8709.2 | 8709.3 | 0.00 |
| 100 | 8581. | 0. | -8575. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8703.5 | 8703.5 | 0.00 |
| 101 | 8575. | 0. | -8569. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8697.7 | 8697.7 | 0.00 |
| 102 | 8569. | 0. | -8563. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8691.9 | 8691.9 | 0.00 |
| 103 | 8563. | 0. | -8557. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8686.2 | 8686.2 | 0.00 |
| 104 | 8557. | 0. | -8552. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8680.5 | 8680.5 | 0.00 |
| 105 | 8552. | 0. | -8546. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8674.9 | 8674.9 | 0.00 |
| 106 | 8546. | 0. | -8540. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8669.2 | 8669.2 | 0.00 |
| 107 | 8540. | 0. | -8534. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8663.6 | 8663.6 | 0.00 |
| 108 | 8534. | 0. | -8529. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8658.0 | 8658.0 | 0.00 |
| 109 | 8529. | 0. | -8523. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8652.5 | 8652.5 | 0.00 |
| 110 | 8523. | 0. | -8518. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8646.9 | 8646.9 | 0.00 |
| 111 | 8518. | 0. | -8512. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8641.4 | 8641.4 | 0.00 |
| 112 | 8512. | 0. | -8506. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8635.9 | 8635.9 | 0.00 |
| 113 | 8506. | 0. | -8501. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8630.5 | 8630.5 | 0.00 |
| 114 | 8501. | 0. | -8495. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8625.0 | 8625.0 | 0.00 |
| 115 | 8495. | 0. | -8490. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8619.6 | 8619.6 | 0.00 |
| 116 | 8490. | 0. | -8484. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8614.2 | 8614.2 | 0.00 |
| 117 | 8484. | 0. | -8479. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8608.8 | 8608.8 | 0.00 |
| 118 | 8479. | 0. | -8474. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8603.5 | 8603.5 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 8474. | 0. | -8468. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8598.2 | 8598.2 | 0.00 |
| 120 | 8468. | 0. | -8463. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8592.9 | 8592.9 | 0.00 |
| 121 | 8463. | 0. | -8457. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8587.6 | 8587.6 | 0.00 |
| 122 | 8457. | 0. | -8452. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8582.4 | 8582.4 | 0.00 |
| 123 | 8452. | 0. | -8447. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8577.2 | 8577.2 | 0.00 |
| 124 | 8447. | 0. | -8442. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8572.0 | 8572.0 | 0.00 |
| 125 | 8442. | 0. | -8436. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8566.8 | 8566.8 | 0.00 |
| 126 | 8436. | 0. | -8431. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8561.7 | 8561.7 | 0.00 |
| 127 | 8431. | 0. | -8426. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8556.5 | 8556.5 | 0.00 |
| 128 | 8426. | 0. | -8421. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8551.4 | 8551.4 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | 8421. | 0. | -8416. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8546.4 | 8546.4 | 0.00 |
| 130 | 8416. | 0. | -8410. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8541.3 | 8541.3 | 0.00 |
| 131 | 8410. | 0. | -8405. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8536.3 | 8536.3 | 0.00 |
| 132 | 8405. | 0. | -8400. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8531.3 | 8531.3 | 0.00 |
| 133 | 8400. | 0. | -8395. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8526.3 | 8526.3 | 0.00 |
| 134 | 8395. | 0. | -8390. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8521.3 | 8521.3 | 0.00 |
| 135 | 8390. | 0. | -8385. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8516.4 | 8516.4 | 0.00 |
| 136 | 8385. | 0. | -8380. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8511.5 | 8511.5 | 0.00 |
| 137 | 8380. | 0. | -8375. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8506.6 | 8506.6 | 0.00 |
| 138 | 8375. | 0. | -8370. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8501.7 | 8501.7 | 0.00 |
| 139 | 8370. | 0. | -8365. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8496.9 | 8496.9 | 0.00 |
| 140 | 8365. | 0. | -8360. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8492.1 | 8492.1 | 0.00 |
| 141 | 8360. | 0. | -8356. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8487.3 | 8487.3 | 0.00 |
| 142 | 8356. | 0. | -8351. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8482.5 | 8482.5 | 0.00 |
| 143 | 8351. | 0. | -8346. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8477.7 | 8477.7 | 0.00 |
| 144 | 8346. | 0. | -8341. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8473.0 | 8473.0 | 0.00 |
| 145 | 8341. | 0. | -8336. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8468.3 | 8468.3 | 0.00 |
| 146 | 8336. | 0. | -8332. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8463.6 | 8463.6 | 0.00 |
| 147 | 8332. | 0. | -8327. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8459.0 | 8459.0 | 0.00 |
| 148 | 8327. | 0. | -8322. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8454.3 | 8454.3 | 0.00 |
| 149 | 8322. | 0. | -8317. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8449.7 | 8449.7 | 0.00 |
| 150 | 8317. | 0. | -8313. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8445.1 | 8445.1 | 0.00 |
| 151 | 8313. | 0. | -8308. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8440.5 | 8440.5 | 0.00 |
| 152 | 8308. | 0. | -8304. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8436.0 | 8436.0 | 0.00 |
| 153 | 8304. | 0. | -8299. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8431.4 | 8431.4 | 0.00 |
| 154 | 8299. | 0. | -8294. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8426.9 | 8426.9 | 0.00 |
| 155 | 8294. | 0. | -8290. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8422.4 | 8422.4 | 0.00 |
| 156 | 8290. | 0. | -8285. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8418.0 | 8418.0 | 0.00 |
| 157 | 8285. | 0. | -8281. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8413.5 | 8413.5 | 0.00 |
| 158 | 8281. | 0. | -8276. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8409.1 | 8409.1 | 0.00 |
| 159 | 8276. | 0. | -8272. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8404.7 | 8404.7 | 0.00 |
| 160 | 8272. | 0. | -8270. | 0. | 0. | 2. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8402.5 | 8402.5 | 0.00 |
| 161 | 8270. | 0. | -6489. | -2. | 0. | 3. | 4. | -7. | 0. | 0. | -1843. | 16. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 109. | 0. | 0. | -8401.5 | 8401.5 | 0.00 |
| 162 | 6489. | 0. | -6550. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 15. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 108. | 0. | 0. | -6619.8 | 6619.7 | 0.00 |
| 163 | 6550. | 0. | -6609. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 15. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 108. | 0. | 0. | -6679.4 | 6679.4 | 0.00 |
| 164 | 6609. | 0. | -6668. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 14. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 107. | 0. | 0. | -6737.9 | 6737.9 | 0.00 |
| 165 | 6668. | 0. | -6726. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 14. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 107. | 0. | 0. | -6795.5 | 6795.5 | 0.00 |
| 166 | 6726. | 0. | -6782. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 13. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 106. | 0. | 0. | -6851.9 | 6851.9 | 0.00 |
| 167 | 6782. | 0. | -6838. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 13. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 106. | 0. | 0. | -6907.4 | 6907.4 | 0.00 |
| 168 | 6838. | 0. | -6892. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 12. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 105. | 0. | 0. | -6961.8 | 6961.8 | 0.00 |
| 169 | 6892. | 0. | -6945. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 12. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 105. | 0. | 0. | -7015.3 | 7015.3 | 0.00 |
| 170 | 6945. | 0. | -6998. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 11. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 104. | 0. | 0. | -7067.7 | 7067.7 | 0.00 |
| 171 | 6998. | 0. | -7049. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 11. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 104. | 0. | 0. | -7119.1 | 7119.1 | 0.00 |
| 172 | 7049. | 0. | -7100. | -3. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 103. | 0. | 0. | -7169.6 | 7169.6 | -0.01 |
| 173 | 7100. | 0. | -7149. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 103. | 0. | 0. | -7219.1 | 7219.1 | 0.00 |
| 174 | 7149. | 0. | -7198. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 102. | 0. | 0. | -7267.6 | 7267.6 | 0.00 |
| 175 | 7198. | 0. | -7246. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 9. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 102. | 0. | 0. | -7315.2 | 7315.2 | 0.00 |
| 176 | 7246. | 0. | -7292. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 9. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 101. | 0. | 0. | -7361.8 | 7361.8 | -0.01 |
| 177 | 7292. | 0. | -7338. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 100. | 0. | 0. | -7407.5 | 7407.5 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR IN | INCR OUT | INCR IN | INCR IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | 7338. | 0. | -7383. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 100. | 0. | 0. | -7452.2 | 7452.2 | -0.01 |
| 179 | 7383. | 0. | -7427. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 99. | 0. | 0. | -7496.1 | 7496.1 | -0.01 |
| 180 | 7427. | 0. | -7470. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 7. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 99. | 0. | 0. | -7539.0 | 7539.0 | -0.01 |
| 181 | 7470. | 0. | -7512. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 7. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 98. | 0. | 0. | -7581.0 | 7581.0 | -0.01 |
| 182 | 7512. | 0. | -7553. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 98. | 0. | 0. | -7622.2 | 7622.1 | -0.01 |
| 183 | 7553. | 0. | -7593. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 97. | 0. | 0. | -7662.4 | 7662.4 | -0.01 |
| 184 | 7593. | 0. | -7632. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 97. | 0. | 0. | -7701.8 | 7701.8 | -0.01 |
| 185 | 7632. | 0. | -7671. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 96. | 0. | 0. | -7740.3 | 7740.3 | -0.01 |
| 186 | 7671. | 0. | -7709. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 96. | 0. | 0. | -7777.9 | 7777.9 | 0.00 |
| 187 | 7709. | 0. | -7746. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 95. | 0. | 0. | -7814.7 | 7814.7 | -0.01 |
| 188 | 7746. | 0. | -7781. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 95. | 0. | 0. | -7850.6 | 7850.6 | -0.01 |
| 189 | 7781. | 0. | -7817. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 94. | 0. | 0. | -7885.7 | 7885.7 | -0.01 |
| 190 | 7817. | 0. | -7851. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 94. | 0. | 0. | -7920.0 | 7920.0 | -0.01 |
| 191 | 7851. | 0. | -7884. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 93. | 0. | 0. | -7953.4 | 7953.4 | -0.01 |
| 192 | 7884. | 0. | -7917. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 93. | 0. | 0. | -7986.0 | 7986.0 | -0.01 |
| 193 | 7917. | 0. | -7949. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 92. | 0. | 0. | -8017.9 | 8017.9 | -0.01 |
| 194 | 7949. | 0. | -7980. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 92. | 0. | 0. | -8048.9 | 8048.9 | -0.01 |
| 195 | 7980. | 0. | -8010. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 91. | 0. | 0. | -8079.1 | 8079.1 | -0.01 |
| 196 | 8010. | 0. | -8040. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 90. | 0. | 0. | -8108.5 | 8108.5 | -0.01 |
| 197 | 8040. | 0. | -8068. | -2. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 90. | 0. | 0. | -8137.2 | 8137.2 | -0.01 |
| 198 | 8068. | 0. | -8096. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 89. | 0. | 0. | -8165.1 | 8165.1 | -0.01 |
| 199 | 8096. | 0. | -8124. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 89. | 0. | 0. | -8192.2 | 8192.2 | -0.01 |
| 200 | 8124. | 0. | -8150. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 88. | 0. | 0. | -8218.6 | 8218.6 | -0.01 |
| 201 | 8150. | 0. | -8176. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 88. | 0. | 0. | -8244.2 | 8244.2 | -0.01 |
| 202 | 8176. | 0. | -8201. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 87. | 0. | 0. | -8269.1 | 8269.1 | -0.01 |
| 203 | 8201. | 0. | -8225. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 87. | 0. | 0. | -8293.2 | 8293.2 | -0.01 |
| 204 | 8225. | 0. | -8248. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 86. | 0. | 0. | -8316.6 | 8316.6 | 0.00 |
| 205 | 8248. | 0. | -8271. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 86. | 0. | 0. | -8339.3 | 8339.3 | -0.01 |
| 206 | 8271. | 0. | -8293. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 85. | 0. | 0. | -8361.5 | 8361.5 | -0.01 |
| 207 | 8293. | 0. | -8314. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 85. | 0. | 0. | -8382.9 | 8382.9 | -0.01 |
| 208 | 8314. | 0. | -8335. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 84. | 0. | 0. | -8403.7 | 8403.7 | -0.01 |
| 209 | 8335. | 0. | -8355. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 84. | 0. | 0. | -8423.7 | 8423.7 | -0.01 |
| 210 | 8355. | 0. | -8374. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 83. | 0. | 0. | -8443.0 | 8443.0 | -0.01 |
| 211 | 8374. | 0. | -8392. | -1. | 0. | 0. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 83. | 0. | 0. | -8461.0 | 8461.0 | -0.01 |
| 212 | 8392. | 0. | -8395. | 0. | 0. | -15. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 82. | 0. | 0. | -8478.0 | 8478.0 | -0.01 |
| 213 | 8395. | 0. | -9187. | 15. | 0. | 2. | 5. | -11. | 0. | 734. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 140. | 0. | 0. | -9293.1 | 9293.1 | -0.01 |
| 214 | 9187. | 0. | -9225. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 139. | 0. | 0. | -9334.3 | 9334.2 | -0.01 |
| 215 | 9225. | 0. | -9263. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 138. | 0. | 0. | -9371.4 | 9371.4 | -0.01 |
| 216 | 9263. | 0. | -9298. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 0. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 137. | 0. | 0. | -9407.1 | 9407.0 | -0.01 |
| 217 | 9298. | 0. | -9333. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 0. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 135. | 0. | 0. | -9441.4 | 9441.4 | -0.01 |
| 218 | 9333. | 0. | -9365. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 134. | 0. | 0. | -9474.3 | 9474.3 | -0.01 |
| 219 | 9365. | 0. | -9397. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 133. | 0. | 0. | -9505.8 | 9505.8 | -0.01 |
| 220 | 9397. | 0. | -9426. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 132. | 0. | 0. | -9535.7 | 9535.7 | -0.01 |
| 221 | 9426. | 0. | -9455. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 131. | 0. | 0. | -9564.2 | 9564.1 | -0.01 |
| 222 | 9455. | 0. | -9481. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 130. | 0. | 0. | -9591.1 | 9591.1 | -0.01 |
| 223 | 9481. | 0. | -9507. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 128. | 0. | 0. | -9616.7 | 9616.7 | -0.01 |
| 224 | 9507. | 0. | -9531. | -2. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 127. | 0. | 0. | -9640.8 | 9640.8 | -0.01 |
| 225 | 9531. | 0. | -9553. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 126. | 0. | 0. | -9663.5 | 9663.5 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 226 | 9553. | 0. | -9574. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 125. | 0. | 0. | -9684.8 | 9684.8 | -0.01 |
| 227 | 9574. | 0. | -9594. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 124. | 0. | 0. | -9704.7 | 9704.7 | -0.01 |
| 228 | 9594. | 0. | -9613. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -4. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 123. | 0. | 0. | -9723.3 | 9723.2 | -0.01 |
| 229 | 9613. | 0. | -9630. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 121. | 0. | 0. | -9740.4 | 9740.4 | -0.01 |
| 230 | 9630. | 0. | -9646. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 120. | 0. | 0. | -9756.3 | 9756.3 | -0.01 |
| 231 | 9646. | 0. | -9660. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 119. | 0. | 0. | -9770.9 | 9770.8 | -0.01 |
| 232 | 9660. | 0. | -9673. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 118. | 0. | 0. | -9784.1 | 9784.1 | -0.01 |
| 233 | 9673. | 0. | -9685. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 117. | 0. | 0. | -9796.0 | 9796.0 | -0.01 |
| 234 | 9685. | 0. | -9696. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 115. | 0. | 0. | -9806.7 | 9806.7 | -0.01 |
| 235 | 9696. | 0. | -9705. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 114. | 0. | 0. | -9816.1 | 9816.1 | -0.01 |
| 236 | 9705. | 0. | -9713. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 113. | 0. | 0. | -9824.3 | 9824.3 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 237 | 9713. | 0. | -9720. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 112. | 0. | 0. | -9831.2 | 9831.2 | -0.01 |
| 238 | 9720. | 0. | -9726. | -1. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 111. | 0. | 0. | -9837.0 | 9836.9 | -0.01 |
| 239 | 9726. | 0. | -9731. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 110. | 0. | 0. | -9841.5 | 9841.5 | -0.01 |
| 240 | 9731. | 0. | -9734. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 108. | 0. | 0. | -9844.8 | 9844.8 | -0.01 |
| 241 | 9734. | 0. | -9736. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 107. | 0. | 0. | -9847.0 | 9846.9 | -0.01 |
| 242 | 9736. | 0. | -9737. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 106. | 0. | 0. | -9848.0 | 9847.9 | -0.01 |
| 243 | 9737. | 0. | -9737. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 105. | 0. | 0. | -9847.8 | 9847.8 | -0.01 |
| 244 | 9737. | 0. | -9736. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 104. | 0. | 0. | -9846.5 | 9846.5 | -0.01 |
| 245 | 9736. | 0. | -9734. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 102. | 0. | 0. | -9844.1 | 9844.1 | -0.01 |
| 246 | 9734. | 0. | -9731. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 101. | 0. | 0. | -9840.7 | 9840.7 | -0.01 |
| 247 | 9731. | 0. | -9726. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 100. | 0. | 0. | -9836.2 | 9836.2 | -0.01 |
| 248 | 9726. | 0. | -9721. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 99. | 0. | 0. | -9830.6 | 9830.6 | -0.01 |
| 249 | 9721. | 0. | -9714. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 98. | 0. | 0. | -9824.0 | 9824.0 | -0.01 |
| 250 | 9714. | 0. | -9706. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 97. | 0. | 0. | -9816.3 | 9816.3 | -0.01 |
| 251 | 9706. | 0. | -9698. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 95. | 0. | 0. | -9807.5 | 9807.5 | -0.01 |
| 252 | 9698. | 0. | -9688. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 94. | 0. | 0. | -9797.8 | 9797.8 | -0.01 |
| 253 | 9688. | 0. | -3542. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | -6140. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -9746.3 | 9746.3 | -0.01 |
| 254 | 3542. | 0. | -3536. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -3599.9 | 3599.9 | -0.01 |
| 255 | 3536. | 0. | -3529. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -3593.2 | 3593.2 | -0.01 |
| 256 | 3529. | 0. | -3522. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3586.2 | 3586.2 | -0.01 |
| 257 | 3522. | 0. | -3515. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3579.1 | 3579.1 | -0.01 |
| 258 | 3515. | 0. | -3508. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3571.8 | 3571.8 | -0.01 |
| 259 | 3508. | 0. | -3501. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3564.3 | 3564.3 | -0.01 |
| 260 | 3501. | 0. | -3493. | 0. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3556.7 | 3556.7 | -0.01 |
| 261 | 3493. | 0. | -3486. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3548.9 | 3548.9 | -0.01 |
| 262 | 3486. | 0. | -3478. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3540.9 | 3540.9 | -0.01 |
| 263 | 3478. | 0. | -3470. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3532.7 | 3532.7 | -0.01 |
| 264 | 3470. | 0. | -3462. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3524.4 | 3524.4 | -0.01 |
| 265 | 3462. | 0. | -3454. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3516.0 | 3516.0 | -0.01 |
| 266 | 3454. | 0. | -3445. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3507.4 | 3507.4 | -0.01 |
| 267 | 3445. | 0. | -3436. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3498.6 | 3498.6 | -0.01 |
| 268 | 3436. | 0. | -3428. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 49. | 0. | 0. | -3489.7 | 3489.7 | -0.01 |
| 269 | 3428. | 0. | -3419. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 49. | 0. | 0. | -3480.6 | 3480.6 | -0.01 |
| 270 | 3419. | 0. | -3410. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3471.4 | 3471.4 | -0.01 |
| 271 | 3410. | 0. | -3401. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3462.1 | 3462.1 | -0.01 |
| 272 | 3401. | 0. | -3391. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3452.6 | 3452.6 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 273 | 3391. | 0. | -3382. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3443.0 | 3443.0 | -0.01 |
| 274 | 3382. | 0. | -3373. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3433.2 | 3433.2 | -0.01 |
| 275 | 3373. | 0. | -3363. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3423.4 | 3423.4 | -0.01 |
| 276 | 3363. | 0. | -3353. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3413.4 | 3413.3 | -0.01 |
| 277 | 3353. | 0. | -3343. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3403.2 | 3403.2 | -0.01 |
| 278 | 3343. | 0. | -3333. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3393.0 | 3393.0 | -0.01 |
| 279 | 3333. | 0. | -3323. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3382.6 | 3382.6 | -0.01 |
| 280 | 3323. | 0. | -3313. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3372.1 | 3372.1 | -0.01 |
| 281 | 3313. | 0. | -3302. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3361.6 | 3361.6 | -0.01 |
| 282 | 3302. | 0. | -3292. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3351.0 | 3351.0 | -0.01 |
| 283 | 3292. | 0. | -3281. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3340.3 | 3340.3 | -0.01 |
| 284 | 3281. | 0. | -3270. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3329.6 | 3329.5 | -0.01 |
| 285 | 3270. | 0. | -3260. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3318.7 | 3318.7 | -0.01 |
| 286 | 3260. | 0. | -3249. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3307.7 | 3307.7 | -0.01 |
| 287 | 3249. | 0. | -3238. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3296.6 | 3296.5 | -0.01 |
| 288 | 3238. | 0. | -3227. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3285.4 | 3285.3 | -0.01 |
| 289 | 3227. | 0. | -3215. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3274.1 | 3274.0 | -0.01 |
| 290 | 3215. | 0. | -3204. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3262.7 | 3262.7 | -0.01 |
| 291 | 3204. | 0. | -3193. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 41. | 0. | 0. | -3251.2 | 3251.2 | -0.01 |
| 292 | 3193. | 0. | -3181. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 41. | 0. | 0. | -3239.6 | 3239.6 | -0.01 |
| 293 | 3181. | 0. | -3170. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3227.9 | 3227.9 | -0.01 |
| 294 | 3170. | 0. | -3158. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3216.2 | 3216.2 | -0.01 |
| 295 | 3158. | 0. | -3146. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3204.3 | 3204.3 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 296 | 3146. | 0. | -3134. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3192.4 | 3192.4 | -0.01 |
| 297 | 3134. | 0. | -3122. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3180.4 | 3180.4 | -0.01 |
| 298 | 3122. | 0. | -3110. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3168.3 | 3168.3 | -0.01 |
| 299 | 3110. | 0. | -3098. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3156.1 | 3156.1 | -0.01 |
| 300 | 3098. | 0. | -3086. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3143.9 | 3143.8 | -0.01 |
| 301 | 3086. | 0. | -3074. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3131.5 | 3131.5 | -0.01 |
| 302 | 3074. | 0. | -3061. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3119.1 | 3119.1 | -0.01 |
| 303 | 3061. | 0. | -3049. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3106.6 | 3106.6 | -0.01 |
| 304 | 3049. | 0. | -3037. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3094.1 | 3094.1 | 0.00 |
| 305 | 3037. | 0. | -3024. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3081.5 | 3081.5 | -0.01 |
| 306 | 3024. | 0. | -3011. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3068.8 | 3068.8 | -0.01 |
| 307 | 3011. | 0. | -2999. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3056.0 | 3056.0 | 0.00 |
| 308 | 2999. | 0. | -2986. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3043.2 | 3043.2 | 0.00 |
| 309 | 2986. | 0. | -2973. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3030.3 | 3030.3 | 0.00 |
| 310 | 2973. | 0. | -2960. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3017.3 | 3017.3 | 0.00 |
| 311 | 2960. | 0. | -2947. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -3004.3 | 3004.3 | 0.00 |
| 312 | 2947. | 0. | -2934. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -2991.2 | 2991.2 | 0.00 |
| 313 | 2934. | 0. | -2921. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -2978.1 | 2978.1 | 0.00 |
| 314 | 2921. | 0. | -2908. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 33. | 0. | 0. | -2964.9 | 2964.9 | 0.00 |
| 315 | 2908. | 0. | -2894. | 1. | 0. | -2. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 33. | 0. | 0. | -2951.7 | 2951.7 | 0.00 |
| 316 | 2894. | 0. | -2876. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2951.3 | 2951.3 | -0.01 |
| 317 | 2876. | 0. | -2858. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2933.4 | 2933.4 | -0.01 |
| 318 | 2858. | 0. | -2841. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2916.0 | 2916.0 | -0.01 |
| 319 | 2841. | 0. | -2824. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2899.0 | 2899.0 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 320 | 2824. | 0. | -2808. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2882.4 | 2882.4 | -0.01 |
| 321 | 2808. | 0. | -2792. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2866.2 | 2866.2 | -0.01 |
| 322 | 2792. | 0. | -2776. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2850.4 | 2850.4 | 0.00 |
| 323 | 2776. | 0. | -2761. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2834.9 | 2834.9 | -0.01 |
| 324 | 2761. | 0. | -2746. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2819.8 | 2819.8 | -0.01 |
| 325 | 2746. | 0. | -2731. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2805.0 | 2805.0 | 0.00 |
| 326 | 2731. | 0. | -2717. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2790.6 | 2790.6 | 0.00 |
| 327 | 2717. | 0. | -2703. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2776.5 | 2776.5 | 0.00 |
| 328 | 2703. | 0. | -2689. | 2. | 0. | -2. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2762.8 | 2762.8 | 0.00 |
| 329 | 2689. | 0. | -2676. | 2. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2749.3 | 2749.3 | 0.00 |
| 330 | 2676. | 0. | -2663. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2736.2 | 2736.2 | 0.00 |
| 331 | 2663. | 0. | -2650. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2723.3 | 2723.3 | 0.00 |
| 332 | 2650. | 0. | -2638. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2710.8 | 2710.8 | 0.00 |
| 333 | 2638. | 0. | -2626. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2698.6 | 2698.5 | 0.00 |
| 334 | 2626. | 0. | -2614. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2686.6 | 2686.6 | 0.00 |
| 335 | 2614. | 0. | -2602. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2674.9 | 2674.9 | 0.00 |
| 336 | 2602. | 0. | -2591. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2663.4 | 2663.4 | 0.00 |
| 337 | 2591. | 0. | -2580. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2652.3 | 2652.3 | 0.00 |
| 338 | 2580. | 0. | -2569. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2641.4 | 2641.3 | 0.00 |
| 339 | 2569. | 0. | -2558. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2630.7 | 2630.7 | 0.00 |
| 340 | 2558. | 0. | -2548. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2620.2 | 2620.2 | 0.00 |
| 341 | 2548. | 0. | -2538. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2610.0 | 2610.0 | 0.00 |
| 342 | 2538. | 0. | -2528. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2600.1 | 2600.1 | 0.00 |
| 343 | 2528. | 0. | -2519. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2590.3 | 2590.3 | 0.00 |
| 344 | 2519. | 0. | -2511. | 1. | 0. | 1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2581.9 | 2581.8 | 0.00 |
| 345 | 2511. | 0. | -2515. | -1. | 0. | 14. | 7. | -12. | 0. | 0. | 0. | 13. | -19. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2586.1 | 2586.1 | 0.00 |
| 526 | 2515. | 2959. | -5458. | -14. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5513.6 | 5513.6 | 0.00 |
| 527 | 5458. | 0. | -5455. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5496.5 | 5496.5 | 0.00 |
| 528 | 5455. | 0. | -5452. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5493.4 | 5493.4 | 0.00 |
| 529 | 5452. | 0. | -5449. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5490.4 | 5490.4 | 0.00 |
| 530 | 5449. | 0. | -5446. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 26. | 0. | 0. | -5487.5 | 5487.5 | 0.00 |
| 531 | 5446. | 0. | -5442. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -2. | 0. | 0. | -28. | 0. | 0. | 0. | 26. | 0. | 0. | -5484.8 | 5484.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -2. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -29.0 | 29.0 | 0.00 |
| 347 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 348 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 349 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 350 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 351 | 16. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 352 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 353 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 354 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 355 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 356 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 357 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 358 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 359 | 17. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 360 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 361 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 362 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 363 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 364 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 365 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 366 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -11. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 367 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 | | |
| 368 | 18. | 0. | -127. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 96. | -87. | -31. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -500.4 | 500.4 | -0.06 | | |
| 369 | 127. | 0. | -230. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 97. | -92. | -32. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -609.7 | 609.7 | -0.07 | | |
| 370 | 230. | 0. | -334. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 98. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -714.7 | 714.6 | -0.07 | | |
| 371 | 334. | 0. | -438. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -818.8 | 818.7 | -0.07 | | |
| 372 | 438. | 0. | -541. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -922.6 | 922.6 | -0.07 | | |
| 373 | 541. | 0. | -645. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1026.4 | 1026.3 | -0.07 | | |
| 374 | 645. | 0. | -748. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1130.1 | 1130.0 | -0.07 | | |
| 375 | 748. | 0. | -852. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1233.7 | 1233.6 | -0.07 | | |
| 376 | 852. | 0. | -956. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1337.4 | 1337.3 | -0.07 | | |
| 377 | 956. | 0. | -935. | 0. | 0. | 0. | 119. | -67. | 0. | 0. | 0. | 130. | -52. | -16. | 0. | 0. | -295. | 0. | 0. | 0. | 161. | 0. | 0. | -1365.7 | 1365.6 | -0.02 | | |
| 378 | 935. | 0. | -964. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 167. | -59. | -18. | 0. | 0. | -296. | 0. | 0. | 0. | 178. | 0. | 0. | -1399.4 | 1399.3 | -0.02 | | |
| 379 | 964. | 0. | -1018. | 0. | 0. | 0. | 119. | -62. | 0. | 0. | 0. | 182. | -63. | -19. | 0. | 0. | -297. | 0. | 0. | 0. | 195. | 0. | 0. | -1459.6 | 1459.6 | -0.02 | | |
| 380 | 1018. | 0. | -1088. | 0. | 0. | 0. | 119. | -61. | 0. | 0. | 0. | 185. | -67. | -21. | 0. | 0. | -298. | 0. | 0. | 0. | 212. | 0. | 0. | -1534.9 | 1534.9 | -0.02 | | |
| 381 | 1088. | 0. | -1167. | 0. | 0. | 0. | 119. | -61. | 0. | 0. | 0. | 183. | -70. | -22. | 0. | 0. | -298. | 0. | 0. | 0. | 229. | 0. | 0. | -1619.5 | 1619.5 | -0.02 | | |
| 382 | 1167. | 0. | -1254. | 0. | 0. | 0. | 119. | -62. | 0. | 0. | 0. | 177. | -72. | -23. | 0. | 0. | -299. | 0. | 0. | 0. | 246. | 0. | 0. | -1710.5 | 1710.5 | -0.02 | | |
| 383 | 1254. | 0. | -1345. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 170. | -74. | -25. | 0. | 0. | -300. | 0. | 0. | 0. | 264. | 0. | 0. | -1806.3 | 1806.3 | -0.03 | | |
| 384 | 1345. | 0. | -1441. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 161. | -76. | -26. | 0. | 0. | -301. | 0. | 0. | 0. | 281. | 0. | 0. | -1906.3 | 1906.2 | -0.03 | | |
| 385 | 1441. | 0. | -1541. | 0. | 0. | 0. | 119. | -64. | 0. | 0. | 0. | 151. | -77. | -27. | 0. | 0. | -301. | 0. | 0. | 0. | 298. | 0. | 0. | -2009.8 | 2009.7 | -0.03 | | |
| 386 | 1541. | 0. | -1644. | 0. | 0. | 0. | 119. | -65. | 0. | 0. | 0. | 141. | -78. | -27. | 0. | 0. | -302. | 0. | 0. | 0. | 316. | 0. | 0. | -2116.6 | 2116.6 | -0.04 | | |
| 387 | 1644. | 0. | -1750. | 0. | 0. | 0. | 119. | -66. | 0. | 0. | 0. | 130. | -79. | -28. | 0. | 0. | -303. | 0. | 0. | 0. | 333. | 0. | 0. | -2226.6 | 2226.6 | -0.04 | | |
| 388 | 1750. | 0. | -1860. | 0. | 0. | 0. | 119. | -67. | 0. | 0. | 0. | 119. | -80. | -29. | 0. | 0. | -303. | 0. | 0. | 0. | 351. | 0. | 0. | -2339.7 | 2339.7 | -0.04 | | |
| 389 | 1860. | 0. | -1973. | 0. | 0. | 0. | 119. | -68. | 0. | 0. | 0. | 108. | -81. | -30. | 0. | 0. | -304. | 0. | 0. | 0. | 368. | 0. | 0. | -2455.9 | 2455.9 | -0.05 | | |
| 390 | 1973. | 0. | -1936. | 0. | 0. | 0. | 24. | -30. | 0. | 0. | 0. | 14. | -12. | -7. | 0. | 0. | -85. | 0. | 0. | 0. | 59. | 0. | 0. | -2070.0 | 2070.0 | -0.01 | | |
| 391 | 1936. | 0. | -1903. | 0. | 0. | 0. | 24. | -30. | 0. | 0. | 0. | 15. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 62. | 0. | 0. | -2036.6 | 2036.6 | -0.01 | | |
| 392 | 1903. | 0. | -1875. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 16. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 65. | 0. | 0. | -2008.1 | 2008.1 | -0.01 | | |
| 393 | 1875. | 0. | -1851. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 17. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 68. | 0. | 0. | -1984.2 | 1984.2 | -0.01 | | |
| 394 | 1851. | 0. | -1832. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 18. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 71. | 0. | 0. | -1964.7 | 1964.7 | -0.01 | | |
| 395 | 1832. | 0. | -1817. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 19. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 75. | 0. | 0. | -1949.3 | 1949.3 | -0.01 | | |
| 396 | 1817. | 0. | -1805. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 19. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 78. | 0. | 0. | -1937.9 | 1937.9 | -0.01 | | |
| 397 | 1805. | 0. | -1798. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 20. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 81. | 0. | 0. | -1930.1 | 1930.1 | -0.01 | | |
| 398 | 1798. | 0. | -1794. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 20. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 84. | 0. | 0. | -1925.9 | 1925.9 | -0.01 | | |
| 399 | 1794. | 0. | -1792. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1847.9 | 1847.9 | 0.00 | | |
| 400 | 1792. | 0. | -1790. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1846.0 | 1846.0 | 0.00 | | |
| 401 | 1790. | 0. | -1788. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1844.2 | 1844.2 | 0.00 | | |
| 402 | 1788. | 0. | -1786. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1842.4 | 1842.4 | 0.00 | | |
| 403 | 1786. | 0. | -1784. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1840.6 | 1840.6 | 0.00 | | |
| 404 | 1784. | 0. | -1783. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1838.8 | 1838.8 | 0.00 | | |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 1783. | 0. | -1781. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1837.2 | 1837.1 | 0.00 | |
| 406 | 1781. | 0. | -1779. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1835.5 | 1835.5 | 0.00 | |
| 407 | 1779. | 0. | -1778. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1833.9 | 1833.9 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 408 | 1778. | 0. | -1776. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1832.3 | 1832.3 | 0.00 |
| 409 | 1776. | 0. | -1774. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1830.7 | 1830.7 | 0.00 |
| 410 | 1774. | 0. | -1773. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1829.2 | 1829.2 | 0.00 |
| 411 | 1773. | 0. | -1771. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1827.7 | 1827.7 | 0.00 |
| 412 | 1771. | 0. | -1770. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1826.3 | 1826.3 | 0.00 |
| 413 | 1770. | 0. | -1769. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1824.8 | 1824.8 | 0.00 |
| 414 | 1769. | 0. | -1767. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1823.4 | 1823.4 | 0.00 |
| 415 | 1767. | 0. | -1766. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1822.1 | 1822.1 | 0.00 |
| 416 | 1766. | 0. | -1765. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1820.7 | 1820.7 | 0.00 |
| 417 | 1765. | 0. | -1763. | 0. | 0. | -1. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1819.5 | 1819.4 | 0.00 |
| 418 | 1763. | 0. | -1755. | 1. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 10. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1822.9 | 1822.9 | 0.00 |
| 419 | 1755. | 0. | -1747. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1814.7 | 1814.7 | 0.00 |
| 420 | 1747. | 0. | -1739. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1806.8 | 1806.8 | 0.00 |
| 421 | 1739. | 0. | -1731. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1799.1 | 1799.1 | 0.00 |
| 422 | 1731. | 0. | -1724. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1791.6 | 1791.6 | 0.00 |
| 423 | 1724. | 0. | -1716. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1784.4 | 1784.4 | 0.00 |
| 424 | 1716. | 0. | -1709. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1777.3 | 1777.3 | 0.00 |
| 425 | 1709. | 0. | -1703. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1770.4 | 1770.4 | 0.00 |
| 426 | 1703. | 0. | -1696. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1763.8 | 1763.8 | 0.00 |
| 427 | 1696. | 0. | -1690. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1757.3 | 1757.3 | 0.00 |
| 428 | 1690. | 0. | -1683. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1751.0 | 1751.0 | 0.00 |
| 429 | 1683. | 0. | -1677. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1744.9 | 1744.9 | 0.00 |
| 430 | 1677. | 0. | -1670. | 0. | 0. | -2. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1739.0 | 1739.0 | 0.00 |
| 431 | 1670. | 0. | -3109. | 2. | 0. | 0. | 0. | 0. | 0. | 1419. | 0. | 16. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -3139.9 | 3139.9 | 0.00 |
| 432 | 3109. | 0. | -3127. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -3158.1 | 3158.1 | 0.00 |
| 433 | 3127. | 0. | -2342. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | -801. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -3173.5 | 3173.5 | 0.00 |
| 434 | 2342. | 0. | -2358. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2388.2 | 2388.2 | 0.00 |
| 435 | 2358. | 0. | -2374. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2403.9 | 2403.9 | 0.00 |
| 436 | 2374. | 0. | -2389. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2419.4 | 2419.4 | 0.00 |
| 437 | 2389. | 0. | -2404. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2434.5 | 2434.5 | 0.00 |
| 438 | 2404. | 0. | -2419. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2449.4 | 2449.4 | 0.00 |
| 439 | 2419. | 0. | -2433. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2464.0 | 2464.0 | 0.00 |
| 440 | 2433. | 0. | -2447. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2478.4 | 2478.4 | 0.00 |
| 441 | 2447. | 0. | -2461. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -2492.5 | 2492.5 | 0.00 |
| 442 | 2461. | 0. | -2475. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2506.4 | 2506.4 | 0.00 |
| 443 | 2475. | 0. | -2489. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2520.0 | 2520.0 | 0.00 |
| 444 | 2489. | 0. | -2502. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2533.3 | 2533.3 | 0.00 |
| 445 | 2502. | 0. | -2515. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2543.9 | 2543.9 | 0.00 |
| 446 | 2515. | 0. | -2527. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2556.4 | 2556.4 | 0.00 |
| 447 | 2527. | 0. | -2539. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2568.7 | 2568.7 | 0.00 |
| 448 | 2539. | 0. | -2551. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2580.7 | 2580.7 | 0.00 |
| 449 | 2551. | 0. | -2563. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2592.5 | 2592.5 | 0.00 |
| 450 | 2563. | 0. | -2575. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2604.1 | 2604.1 | 0.00 |
| 451 | 2575. | 0. | -2586. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2615.4 | 2615.4 | 0.00 |
| 452 | 2586. | 0. | -2597. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2626.5 | 2626.5 | 0.00 |
| 453 | 2597. | 0. | -2608. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2637.4 | 2637.4 | 0.00 |
| 454 | 2608. | 0. | -2619. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2648.1 | 2648.1 | 0.00 |
| 455 | 2619. | 0. | -2629. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2658.6 | 2658.6 | 0.00 |
| 456 | 2629. | 0. | -2640. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2668.8 | 2668.8 | 0.00 |
| 457 | 2640. | 0. | -2650. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2678.9 | 2678.9 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 458 | 2650. | 0. | -2660. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2688.7 | 2688.7 | 0.00 | | | | | | | | | |
| 459 | 2660. | 0. | -2669. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2698.4 | 2698.4 | 0.00 | | | | | | | | | |
| 460 | 2669. | 0. | -2679. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2707.8 | 2707.8 | 0.00 | | | | | | | | | |
| 461 | 2679. | 0. | -2688. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2717.0 | 2717.0 | 0.00 | | | | | | | | | |
| 462 | 2688. | 0. | -2697. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2726.1 | 2726.1 | 0.00 | | | | | | | | | |
| 463 | 2697. | 0. | -2706. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2734.9 | 2734.9 | 0.00 | | | | | | | | | |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | DISP | UPMN DISP | UPTR DISP | LOWR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464 | 2706. | 0. | -2714. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2743.6 | 2743.6 | 0.00 |
| 465 | 2714. | 0. | -2723. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2752.1 | 2752.1 | 0.00 |
| 466 | 2723. | 0. | -2731. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2760.4 | 2760.4 | 0.00 |
| 467 | 2731. | 0. | -2739. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2768.5 | 2768.5 | 0.00 |
| 468 | 2739. | 0. | -2747. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2776.4 | 2776.4 | 0.00 |
| 469 | 2747. | 0. | -2755. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2784.2 | 2784.2 | 0.00 |
| 470 | 2755. | 0. | -2763. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2791.8 | 2791.8 | 0.00 |
| 471 | 2763. | 0. | -2770. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2799.2 | 2799.2 | 0.00 |
| 472 | 2770. | 0. | -2777. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2806.5 | 2806.5 | 0.00 |
| 473 | 2777. | 0. | -2784. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2813.6 | 2813.6 | 0.00 |
| 474 | 2784. | 0. | -2791. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2820.5 | 2820.5 | 0.00 |
| 475 | 2791. | 0. | -2798. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2827.3 | 2827.3 | 0.00 |
| 476 | 2798. | 0. | -2805. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2833.9 | 2833.9 | 0.00 |
| 477 | 2805. | 0. | -2811. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2840.3 | 2840.3 | 0.00 |
| 478 | 2811. | 0. | -2818. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2846.6 | 2846.6 | 0.00 |
| 479 | 2818. | 0. | -2824. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2852.8 | 2852.8 | 0.00 |
| 480 | 2824. | 0. | -2830. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2858.8 | 2858.8 | 0.00 |
| 481 | 2830. | 0. | -2836. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2864.7 | 2864.7 | 0.00 |
| 482 | 2836. | 0. | -2841. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2870.4 | 2870.4 | 0.00 |
| 483 | 2841. | 0. | -2847. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2876.0 | 2876.0 | 0.00 |
| 484 | 2847. | 0. | -2852. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2881.4 | 2881.4 | 0.00 |
| 485 | 2852. | 0. | -2858. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2886.7 | 2886.7 | 0.00 |
| 486 | 2858. | 0. | -2863. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2891.9 | 2891.9 | 0.00 |
| 487 | 2863. | 0. | -2868. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2896.9 | 2896.9 | 0.00 |
| 488 | 2868. | 0. | -2873. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2901.8 | 2901.8 | 0.00 |
| 489 | 2873. | 0. | -2878. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2906.6 | 2906.6 | 0.00 |
| 490 | 2878. | 0. | -2882. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2911.2 | 2911.2 | 0.00 |
| 491 | 2882. | 0. | -2887. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2915.7 | 2915.7 | 0.00 |
| 492 | 2887. | 0. | -2891. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2920.1 | 2920.1 | 0.00 |
| 493 | 2891. | 0. | -2895. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2924.4 | 2924.4 | 0.00 |
| 494 | 2895. | 0. | -2900. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2928.6 | 2928.6 | 0.00 |
| 495 | 2900. | 0. | -2904. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2932.6 | 2932.6 | 0.00 |
| 496 | 2904. | 0. | -2908. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2936.5 | 2936.5 | 0.00 |
| 497 | 2908. | 0. | -2911. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2940.3 | 2940.3 | 0.00 |
| 498 | 2911. | 0. | -2915. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2944.0 | 2944.0 | 0.00 |
| 499 | 2915. | 0. | -2919. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2947.6 | 2947.6 | 0.00 |
| 500 | 2919. | 0. | -2922. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2951.0 | 2951.0 | 0.00 |
| 501 | 2922. | 0. | -2925. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2954.4 | 2954.4 | 0.00 |
| 502 | 2925. | 0. | -2929. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2957.6 | 2957.6 | 0.00 |
| 503 | 2929. | 0. | -2932. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2960.8 | 2960.8 | 0.00 |
| 504 | 2932. | 0. | -2935. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2963.8 | 2963.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 505 | 2935. | 0. | -2938. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2966.8 | 2966.8 | 0.00 |
| 506 | 2938. | 0. | -2941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2969.6 | 2969.6 | 0.00 |
| 507 | 2941. | 0. | -2943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2972.3 | 2972.3 | 0.00 |
| 508 | 2943. | 0. | -2946. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2975.0 | 2975.0 | 0.00 |
| 509 | 2946. | 0. | -2949. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2977.5 | 2977.5 | 0.00 |
| 510 | 2949. | 0. | -2951. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2980.0 | 2980.0 | 0.00 |
| 511 | 2951. | 0. | -2953. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2982.3 | 2982.3 | 0.00 |
| 512 | 2953. | 0. | -2956. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2984.6 | 2984.6 | 0.00 |
| 513 | 2956. | 0. | -2958. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2986.8 | 2986.8 | 0.00 |
| 514 | 2958. | 0. | -2960. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2988.9 | 2988.8 | 0.00 |
| 515 | 2960. | 0. | -2962. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2990.8 | 2990.8 | 0.00 |
| 516 | 2962. | 0. | -2964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2992.8 | 2992.8 | 0.00 |
| 517 | 2964. | 0. | -2966. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2994.6 | 2994.6 | 0.00 |
| 518 | 2966. | 0. | -2967. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 23. | 0. | 0. | -2996.0 | 2996.0 | 0.00 |
| 519 | 2967. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 23. | 0. | 0. | -2996.8 | 2996.8 | 0.00 |
| 520 | 2968. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 22. | 0. | 0. | -2997.0 | 2997.0 | 0.00 |
| 521 | 2968. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 22. | 0. | 0. | -2996.7 | 2996.7 | 0.00 |
| 522 | 2968. | 0. | -2967. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 21. | 0. | 0. | -2995.9 | 2995.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 523 | 2967. | 0. | -2966. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 20. | 0. | 0. | -2994.4 | 2994.4 | 0.00 |
| 524 | 2966. | 0. | -2964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 20. | 0. | 0. | -2992.5 | 2992.5 | 0.00 |
| 525 | 2964. | 0. | -2959. | 0. | 0. | -3. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 19. | 0. | 0. | -2990.0 | 2990.0 | 0.00 |

LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

Baseline Simulation for Lake Penchant and Bayou Penchant model

INPUT/OUTPUT LOADING SUMMARY

| | FLOW $m^3/s$ | DO kg/d | BOD#1 kg/d | BOD#2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | PHOS kg/d | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 17.424 | 9330.0 | 24166.6 | 0.0 | 2406.5 | 150.5 | 841.4 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL INFLOW | 14.380 | 6212.3 | 31122.7 | 0.0 | 2847.9 | 124.2 | 49.7 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL OUTFLOW | -11.800 | -6246.9 | -14852.2 | 0.0 | -1804.8 | -117.1 | -159.5 | 0.0 | 0.0 | 0.0 |
| WASTELOADS | 4.984 | 2153.0 | 3337.1 | 0.0 | 1428.8 | 21.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| WITHDRAWLS | -14.715 | -8784.4 | -21163.8 | 0.0 | -2503.6 | -136.5 | -36.1 | 0.0 | 0.0 | 0.0 |
| FLOW THRU LOWER BNDRY | -10.274 | -5441.6 | -7380.6 | 0.0 | -1676.2 | -109.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU LOWER BNDRY | | -3.2 | -651.8 | 0.0 | -201.3 | -2.5 | 5.3 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU HDWTR BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NON-POINT INPUT | | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 |
| NATURAL REAERATION | | 9808.9 | | | | | | | | |
| DAM REAERATION | | 0.0 | | | | | | | | |
| BACKGROUND SOD | | -27115.4 | | | | | | | | |
| BOD#1 DECAY | | -14577.9 | -14577.9 | | | | | | | |
| BOD#1 SETTLING | | 0.0 | 0.0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0.0 | | | | | | | |
| BOD#2 DECAY | | 0.0 | | 0.0 | | | | | | |
| BOD#2 SETTLING | | 0.0 | | 0.0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0.0 | | | | | | |
| ORG-N DECAY | | 0.0 | | | -497.3 | 497.3 | | | | |
| ORG-N SETTLING | | | | | 0.0 | 0.0 | | | | |
| NH3 DECAY | | -1857.3 | | | | -428.9 | 428.9 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0.0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0.0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0.0 | | |
| ALGAE PHOTOSYNTHESIS | | 36519.7 | | | | 0.0 | -1826.0 | 0.0 | 0.0 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ALGAE RESPIRATION | | 0.0 | | | | 0.0 | | 0.0 | 0.0 | |
| ALGAE SETTLING | | 0.0 | | | | | | | 0.0 | |
| MACRO PHOTOSYNTHESIS | | 0.0 | | | | 0.0 | 0.0 | 0.0 | | |
| NCM DECAY | | 0.0 | | | | | | | | 0.0 |
| NCM SETTLING | | 0.0 | | | | | | | | 0.0 |
| TOTAL INPUTS | 36.788 | 64023.9 | 58626.5 | 0.0 | 6683.1 | 793.6 | 1325.3 | 0.0 | 0.0 | 0.0 |
| TOTAL OUTPUTS | -36.788 | -64026.7 | -58626.1 | 0.0 | -6683.1 | -794.2 | -2021.6 | 0.0 | 0.0 | 0.0 |
| NET CONVERGENCE ERROR | 0.000 | -2.8 | 0.4 | 0.0 | 0.0 | -0.7 | -696.2 | 0.0 | 0.0 | 0.0 |

.....EXECUTION COMPLETED

## TMDL output file for subsegments120405/120406

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 LT - Cade\Baseline\L_Cadehatchtheriot_BASE_0608.txt
Output produced at 18:55 on 06/15/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
TITLE02        Baseline Simulation for Lake de Cade Theriot and Hache model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.40000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE     RATE CODE     THETA VALUE
ENDATA04
$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA05
$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA06
$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN      END   ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km     km     km            NUM   NUM
REACH ID    1   1  Lake Hache incl 937              20.90  TO  16.30  0.1000    4.60    46      1    46
REACH ID    2   2  Lake Hache incl 120406-B         16.30  TO  13.20  0.1000    3.10    31     47    77
REACH ID    3   3  L. Hache-405/406 boundary        13.20  TO   9.30  0.1000    3.90    39     78   116
REACH ID    4   4  405/406 boundary to L. Theriot    9.30  TO   6.70  0.1000    2.60    26    117   142
REACH ID    5   5  Lake Theriot                     2.90  TO   0.50  0.1000    2.40    24    143   166
REACH ID    6   6  Lake Theriot Discharge           0.50  TO   0.00  0.1000    0.50     5    167   171
REACH ID    7   7  L. Theriot to Mandalay WR Bndy   6.70  TO   2.30  0.1000    4.40    44    172   215
REACH ID    8   8  Mandalay WR Bndy to constriction  2.30  TO   1.50  0.1000    0.80     8    216   223
REACH ID    9   9  constriction to Lake Hache inflo  1.50  TO   0.60  0.1000    0.90     9    224   232
REACH ID   10  10  Lake Hache                       1.10  TO   0.10  0.1000    1.00    10    233   242
REACH ID   11  11  Lake Hache Discharge             0.10  TO   0.00  0.1000    0.10     1    243   243
REACH ID   12  12  Lake Hache inflow to 406 boundar  0.60  TO   0.00  0.1000    0.60     6    244   249
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    WIDTH    WIDTH    WIDTH    DEPTH    DEPTH    DEPTH    SLOPE   MANNINGS
                  "A"      "B"      "C"      "D"      "E"      "F"              "N"
HYDR-1      1   1    0.000    0.000  1527.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      2   2    0.000    0.000  1029.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      3   3    0.000    0.000    25.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      4   4    0.000    0.000    10.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      5   5    0.000    0.000  2428.000    0.000    0.000    0.800  0.00010   1.460
HYDR-1      6   6    0.000    0.000    20.000    0.000    0.000    1.904  0.00010   1.460
HYDR-1      7   7    0.000    0.000    46.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      8   8    0.000    0.000   110.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1      9   9    0.000    0.000    30.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1     10  10    0.000    0.000   970.000    0.000    0.000    0.750  0.00010   1.460
HYDR-1     11  11    0.000    0.000    50.000    0.000    0.000    1.550  0.00010   1.460
HYDR-1     12  12    0.000    0.000    20.000    0.000    0.000    1.550  0.00010   1.460
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID   TIDAL   DISPERSION   DISPERSION   DISPERSION   DISPERSION
                     RANGE       "A"          "B"          "C"          "D"
HYDR        1   1    0.00      0.500        0.000        0.000        0.000
HYDR        2   2    0.00      0.500        0.000        0.000        0.000
HYDR        3   3    0.00      0.400        0.000        0.000        0.000
HYDR        4   4    0.00      0.300        0.000        0.000        0.000
HYDR        5   5    0.00      0.000        0.000        0.000        0.000
HYDR        6   6    0.00      0.200        0.000        0.000        0.000
HYDR        7   7    0.00      0.100        0.000        0.000        0.000
HYDR        8   8    0.00      0.100        0.000        0.000        0.000
HYDR        9   9    0.00      0.100        0.000        0.000        0.000
HYDR       10  10    0.00      0.000        0.000        0.000        0.000
HYDR       11  11    0.00      0.100        0.000        0.000        0.000
HYDR       12  12    0.00      0.100        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
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CARD TYPE     REACH  ID      TEMP    SALIN      DO      NH3    NO3+2    PHOS    CHL A    MACRO
INITIAL         1   1      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         2   2      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         3   3      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         4   4      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         5   5      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         6   6      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         7   7      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         8   8      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         9   9      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL        10  10      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
INITIAL        11  11      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
INITIAL        12  12      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
ENDATA11
$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                  BOD    ANAER                    BOD2    ANAER
CARD    RCH  RCH  K2                K2      K2      K2   BKGRND     BOD      BOD     CONV     BOD2     BOD2     BOD2     CONV     BOD2
TYPE    NUM   ID  OPT              "A"     "B"     "C"     SOD    DECAY     SETT   TO SOD    DECAY    DECAY     SETT   TO SOD    DECAY
                                          g/m²/d  per day     m/d            per day  per day      m/d            per day
COEFF-1   1   1  20 K2=a/D         0.930   0.000   0.000   1.200   0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2   2  20 K2=a/D         0.930   0.000   0.000   1.400   0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3   3   3 OCONNER-DOBB   0.000   0.000   0.000   2.500   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   4   4   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5   5  20 K2=a/D         0.930   0.000   0.000   2.000   0.060    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6   6   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7   7   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   8   8   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   9   9   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  10  10  20 K2=a/D         0.930   0.000   0.000   2.000   0.010    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  11  11   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  12  12   3 OCONNER-DOBB   0.000   0.000   0.000   2.000   0.310    0.000    0.000    0.000    0.000    0.000    0.000    0.000
ENDATA12
$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
CARD TYPE     REACH  ID      ORG-N    ORG-N   ORGN CONV      NH3      NH3     PHOS    DENIT
                          DECA     SETT  TO NH3 SRCE     DECA     SRCE     SRCE     RATE
COEFF-2         1   1     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         2   2     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         3   3     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         4   4     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         5   5     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         6   6     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         7   7     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         8   8     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         9   9     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        10  10     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        11  11     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        12  12     0.010    0.000    0.000    0.200    0.000    0.000    0.000
ENDATA13
$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$
CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
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                    DEPTH    CHL A    SETT    TO SOD     GROW     RESP     GROW     RESP   SHADING
ENDATA14
$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$
CARD TYPE     REACH  ID   COLIFORM      NCM      NCM   NCM CONV
                   DIE-OFF    DECAY     SETT    TO SOD
ENDATA15
$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE     REACH  ID      OUTFLOW     INFLOW     TEMP    SALIN     CM-I    CM-II   IN/DIST  OUT/DIST
INCR-1          1   1     -0.10000    2.98740    30.00     0.00     0.00     0.00  0.64943  -0.02174
INCR-1          2   2     -6.10000    2.98740    30.00     0.00     0.00     0.00  0.96368  -1.96774
INCR-1          3   3      0.00000    0.08500    30.00     0.00     0.00     0.00  0.02179   0.00000
INCR-1          4   4      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          5   5      0.00000    0.48000    30.00     0.00     0.00     0.00  0.20000   0.00000
INCR-1          6   6      0.00000    0.02000    30.00     0.00     0.00     0.00  0.04000   0.00000
INCR-1          7   7      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          8   8      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          9   9      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1         10  10      0.00000    0.09880    30.00     0.00     0.00     0.00  0.09880   0.00000
INCR-1         11  11      0.00000    0.01420    30.00     0.00     0.00     0.00  0.14200   0.00000
INCR-1         12  12      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
ENDATA16
$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE     REACH  ID        DO      BOD    ORG-N    NH3-N    NO3-N    BOD#2
INCR-2          1   1      5.00    28.00     2.00     1.00     0.04     0.00
INCR-2          2   2      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          3   3      5.00    60.00     6.00     1.00     0.04     0.00
INCR-2          4   4      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          5   5      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          6   6      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          7   7      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          8   8      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          9   9      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2         10  10      5.00    60.00     2.40     1.00     0.04     0.00
INCR-2         11  11      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2         12  12      0.00     0.00     0.00     0.00     0.00     0.00
ENDATA17
$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
 CARD TYPE     REACH  ID       PHOS    CHL A     COLI      NCM
ENDATA18
$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$
CARD TYPE     REACH  ID      BOD#1    ORG-N     COLI      NCM       DO    BOD#2
NONPOINT        1   1       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        2   2       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        3   3       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        4   4       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        5   5       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        6   6       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        7   7       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        8   8       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        9   9       0.00     0.00     0.00     0.00     0.00     0.00
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NONPOINT      10  10     0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      11  11     0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      12  12     0.00    0.00    0.00    0.00    0.00    0.00
ENDATA19
$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
CARD TYPE    ELEMENT  NAME              UNIT    FLOW    FLOW   TEMP   SALIN    CM-I    CM-II
                                        m³/s    cfs   deg C    ppt
HDWTR-1        1    Lake de Cade        0  11.45895  404.624   31.10    0.00    0.000    0.000  0.00
HDWTR-1      143    Lake Theriot        0   0.00324   0.114   30.00    0.00    0.000    0.000  0.00
HDWTR-1      233    Lake Hache          0   0.00033   0.012   30.00    0.00    0.000    0.000  0.00
ENDATA20
$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    ELEMENT  NAME                    DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                            mg/L    mg/L    mg/L    mg/L    mg/L    mg/L
HDWTR-2        1    Lake de Cade            6.50    2.72    0.80    0.10    0.04    0.00
HDWTR-2      143    Lake Theriot            6.90    2.72    0.90    0.10    0.04    0.00
HDWTR-2      233    Lake Hache              8.70   60.00    2.10    0.10    0.04    0.00
ENDATA21
$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT  NAME                   PHOS    CHL A    COLI    NCM
                                            mg/L    mg/L    mg/L    mg/L
ENDATA22
$$$ DATA TYPE 23 (JUNCTION DATA) $$$
CARD TYPE   JUNCTION  UPSTRM   RIVER    NAME
         ELEMENT  ELEMENT   KILOM
JUNCTION      172    142     6.70  Lake Theriot - Minors Canal
JUNCTION      244    232     0.60  Lake Hache - Minors Canal
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT   RKILO  NAME                FLOW    FLOW    FLOW   TEMP   SALIN    CM-I    CM-II
                                                m³/s    cfs     MGD   deg C    ppt
WSTLD-1      23     18.70  LAG480431          0.00011  0.00388  0.003  31.10    0.00    0.000    0.000
ENDATA24
$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                % BOD                    %
CARD TYPE    ELEMENT  NAME                    DO    BOD    RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                            mg/L    mg/L    mg/L    mg/L    mg/L    mg/L
WSTLD-2        23    LAG480431               5.00  103.50    0.00    7.50   15.00    0.00    0.00    0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT  NAME                   PHOS    CHL A    COLI    NCM
                                            mg/L    mg/L    mg/L    mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                CONCENTRATION
LOWER BC     TEMPERATURE                   32.400    deg C
LOWER BC     SALINITY                       0.000    ppt
LOWER BC     CONSERVATIVE MATERIAL I        0.000
LOWER BC     CONSERVATIVE MATERIAL II       0.000
LOWER BC     DISSOLVED OXYGEN               6.100    mg/L
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LOWER BC    BIOCHEMICAL OXYGEN DEMAND          4.700    mg/L
LOWER BC    ORGANIC NITROGEN                   0.000    mg/L
LOWER BC    AMMONIA NITROGEN                   0.100    mg/L
LOWER BC    NITRATE + NITRITE                  0.040    mg/L
LOWER BC    PHOSPHORUS                         0.000    mg/L
LOWER BC    CHLOROPHYLL A                      0.090    µg/L
LOWER BC    COLIFORM                           0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL           0.000
ENDATA27
$$$ DATA TYPE 28 (DAM DATA) $$$
CARD TYPE    ELEMENT   NAME          EQN    "A"    "B"    "H"
ENDATA28
$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$
CARD TYPE     PARAMETER    COL 1    COL 2    COL 3    COL 4    COL 5    COL 6    COL 7    COL 8
ENDATA29
$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$
NUMBER OF PLOTS =  3
NUMBER OF REACHES IN PLOT 1 =   8
PLOT RCH  1  2  3  4  7  8  9 12
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  5  6
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH 10 11
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 Lakedecade.OVL          :Lake Decade and Minors C MS
OVERLAY 2 LakeTheriot.OVL         :Lake Theriot and Minors C MS
OVERLAY 3 LakeHache.OVL           :Lake Hache and Minors C MS
ENDATA31
   .....NO ERRORS DETECTED IN INPUT DATA
   .....HYDRAULIC CALCULATIONS COMPLETED
   .....TRIDIAGONAL MATRIX TERMS INITIALIZED
   .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 ITERATIONS
   .....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
   .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
   .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
   .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
INTERMEDIATE REPORT
Dissolved Oxygen                    Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
  mg/L                              Baseline Simulation for Lake de Cade Theriot and Hache model
 ID  RCH  ELEM     +0     +1     +2     +3     +4     +5     +6     +7     +8     +9
  1   1    1    6.49   6.49   6.49   6.49   6.49   6.49   6.49   6.50   6.50   6.50
  1   1   11    6.50   6.51   6.51   6.51   6.51   6.52   6.52   6.52   6.52   6.52
  1   1   21    6.53   6.53   6.53   6.53   6.53   6.53   6.53   6.54   6.54   6.54
  1   1   31    6.54   6.54   6.54   6.54   6.54   6.54   6.54   6.54   6.54   6.54
  1   1   41    6.54   6.54   6.54   6.54   6.53   6.52
  2   2   47    6.48   6.43   6.39   6.34   6.29   6.25   6.20   6.15   6.10   6.05
  2   2   57    6.00   5.95   5.91   5.86   5.81   5.76   5.72   5.67   5.63   5.59
  2   2   67    5.54   5.50   5.46   5.42   5.38   5.35   5.31   5.27   5.24   5.21
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 77 | 5.19 | | | | | | | | | |
| 3 | 3 | 78 | 5.18 | 5.17 | 5.17 | 5.16 | 5.15 | 5.14 | 5.14 | 5.13 | 5.12 | 5.12 |
| 3 | 3 | 88 | 5.11 | 5.11 | 5.10 | 5.10 | 5.09 | 5.09 | 5.08 | 5.08 | 5.08 | 5.08 |
| 3 | 3 | 98 | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 5.06 | 5.06 | 5.06 | 5.06 | 5.06 |
| 3 | 3 | 108 | 5.06 | 5.06 | 5.06 | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 5.08 | |
| 4 | 4 | 117 | 5.08 | 5.09 | 5.09 | 5.10 | 5.10 | 5.11 | 5.11 | 5.12 | 5.12 | 5.13 |
| 4 | 4 | 127 | 5.13 | 5.14 | 5.14 | 5.14 | 5.15 | 5.15 | 5.16 | 5.16 | 5.17 | 5.17 |
| 4 | 4 | 137 | 5.18 | 5.18 | 5.19 | 5.19 | 5.20 | 5.20 | | | | |
| 7 | 7 | 172 | 5.29 | 5.29 | 5.30 | 5.30 | 5.30 | 5.31 | 5.31 | 5.31 | 5.32 | 5.32 |
| 7 | 7 | 182 | 5.32 | 5.33 | 5.33 | 5.34 | 5.34 | 5.34 | 5.35 | 5.35 | 5.36 | 5.36 |
| 7 | 7 | 192 | 5.36 | 5.37 | 5.37 | 5.38 | 5.38 | 5.39 | 5.39 | 5.39 | 5.40 | 5.40 |
| 7 | 7 | 202 | 5.41 | 5.41 | 5.42 | 5.42 | 5.43 | 5.43 | 5.44 | 5.44 | 5.45 | 5.45 |
| 7 | 7 | 212 | 5.46 | 5.46 | 5.47 | 5.47 | | | | | | |
| 8 | 8 | 216 | 5.47 | 5.48 | 5.48 | 5.48 | 5.48 | 5.49 | 5.49 | 5.49 | | |
| 9 | 9 | 224 | 5.50 | 5.51 | 5.52 | 5.54 | 5.55 | 5.57 | 5.59 | 5.61 | 5.63 | |
| 12 | 12 | 244 | 5.66 | 5.67 | 5.67 | 5.67 | 5.66 | 5.66 | | | | |
| 5 | 5 | 143 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 |
| 5 | 5 | 153 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 |
| 5 | 5 | 163 | 6.66 | 6.66 | 6.66 | 6.66 | | | | | | |
| 6 | 6 | 167 | 6.80 | 6.92 | 7.01 | 7.05 | 6.65 | | | | | |
| 10 | 10 | 233 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.65 |
| 11 | 11 | 243 | 6.67 | | | | | | | | | |

INTERMEDIATE REPORT

Effective BOD — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.72 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.74 | 2.74 | 2.74 | 2.74 |
| 1 | 1 | 11 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| 1 | 1 | 21 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.76 |
| 1 | 1 | 31 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| 1 | 1 | 41 | 2.76 | 2.76 | 2.77 | 2.78 | 2.81 | 2.87 | | | | |
| 2 | 2 | 47 | 3.05 | 3.24 | 3.43 | 3.60 | 3.78 | 3.95 | 4.11 | 4.27 | 4.43 | 4.58 |
| 2 | 2 | 57 | 4.73 | 4.87 | 5.01 | 5.14 | 5.27 | 5.40 | 5.52 | 5.64 | 5.76 | 5.87 |
| 2 | 2 | 67 | 5.98 | 6.08 | 6.19 | 6.29 | 6.38 | 6.47 | 6.56 | 6.65 | 6.73 | 6.80 |
| 2 | 2 | 77 | 6.85 | | | | | | | | | |
| 3 | 3 | 78 | 6.84 | 6.84 | 6.84 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 | 6.81 | 6.81 |
| 3 | 3 | 88 | 6.81 | 6.80 | 6.80 | 6.80 | 6.79 | 6.79 | 6.78 | 6.78 | 6.78 | 6.77 |
| 3 | 3 | 98 | 6.77 | 6.77 | 6.76 | 6.76 | 6.76 | 6.75 | 6.75 | 6.75 | 6.74 | 6.74 |
| 3 | 3 | 108 | 6.73 | 6.73 | 6.73 | 6.72 | 6.72 | 6.72 | 6.71 | 6.71 | 6.71 | |
| 4 | 4 | 117 | 6.70 | 6.70 | 6.69 | 6.68 | 6.68 | 6.67 | 6.67 | 6.66 | 6.66 | 6.65 |
| 4 | 4 | 127 | 6.65 | 6.64 | 6.64 | 6.63 | 6.62 | 6.62 | 6.61 | 6.61 | 6.60 | 6.60 |
| 4 | 4 | 137 | 6.59 | 6.59 | 6.58 | 6.58 | 6.57 | 6.57 | | | | |
| 7 | 7 | 172 | 6.47 | 6.45 | 6.42 | 6.40 | 6.38 | 6.36 | 6.33 | 6.31 | 6.29 | 6.26 |
| 7 | 7 | 182 | 6.24 | 6.22 | 6.20 | 6.17 | 6.15 | 6.13 | 6.11 | 6.09 | 6.06 | 6.04 |
| 7 | 7 | 192 | 6.02 | 6.00 | 5.98 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.85 | 5.83 |
| 7 | 7 | 202 | 5.81 | 5.79 | 5.77 | 5.75 | 5.73 | 5.71 | 5.68 | 5.66 | 5.64 | 5.62 |
| 7 | 7 | 212 | 5.60 | 5.58 | 5.56 | 5.54 | | | | | | |
| 8 | 8 | 216 | 5.50 | 5.45 | 5.40 | 5.36 | 5.31 | 5.26 | 5.22 | 5.18 | | |
| 9 | 9 | 224 | 5.16 | 5.15 | 5.14 | 5.13 | 5.12 | 5.10 | 5.09 | 5.08 | 5.07 | |
| 12 | 12 | 244 | 5.23 | 5.22 | 5.21 | 5.20 | 5.19 | 5.18 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 143 | 3.67 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 153 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 163 | 3.68 | 3.68 | 3.68 | 3.69 | | | | | | |
| 6 | 6 | 167 | 3.97 | 4.22 | 4.47 | 4.75 | 5.34 | | | | | |
| 10 | 10 | 233 | 25.28 | 24.95 | 24.87 | 24.84 | 24.83 | 24.82 | 24.82 | 24.81 | 24.81 | 21.71 |
| 11 | 11 | 243 | 12.66 | | | | | | | | | |

INTERMEDIATE REPORT

Biochemical Oxygen Demand — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.72 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.74 | 2.74 | 2.74 | 2.74 |
| 1 | 1 | 11 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| 1 | 1 | 21 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.76 |
| 1 | 1 | 31 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| 1 | 1 | 41 | 2.76 | 2.76 | 2.77 | 2.78 | 2.81 | 2.87 | | | | |
| 2 | 2 | 47 | 3.05 | 3.24 | 3.43 | 3.60 | 3.78 | 3.95 | 4.11 | 4.27 | 4.43 | 4.58 |
| 2 | 2 | 57 | 4.73 | 4.87 | 5.01 | 5.14 | 5.27 | 5.40 | 5.52 | 5.64 | 5.76 | 5.87 |
| 2 | 2 | 67 | 5.98 | 6.08 | 6.19 | 6.29 | 6.38 | 6.47 | 6.56 | 6.65 | 6.73 | 6.80 |
| 2 | 2 | 77 | 6.85 | | | | | | | | | |
| 3 | 3 | 78 | 6.84 | 6.84 | 6.84 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 | 6.81 | 6.81 |
| 3 | 3 | 88 | 6.81 | 6.80 | 6.80 | 6.80 | 6.79 | 6.79 | 6.78 | 6.78 | 6.78 | 6.77 |
| 3 | 3 | 98 | 6.77 | 6.77 | 6.76 | 6.76 | 6.76 | 6.75 | 6.75 | 6.75 | 6.74 | 6.74 |
| 3 | 3 | 108 | 6.73 | 6.73 | 6.73 | 6.72 | 6.72 | 6.72 | 6.71 | 6.71 | 6.71 | |
| 4 | 4 | 117 | 6.70 | 6.70 | 6.69 | 6.68 | 6.68 | 6.67 | 6.67 | 6.66 | 6.66 | 6.65 |
| 4 | 4 | 127 | 6.65 | 6.64 | 6.64 | 6.63 | 6.62 | 6.62 | 6.61 | 6.61 | 6.60 | 6.60 |
| 4 | 4 | 137 | 6.59 | 6.59 | 6.58 | 6.58 | 6.57 | 6.57 | | | | |
| 7 | 7 | 172 | 6.47 | 6.45 | 6.42 | 6.40 | 6.38 | 6.36 | 6.33 | 6.31 | 6.29 | 6.26 |
| 7 | 7 | 182 | 6.24 | 6.22 | 6.20 | 6.17 | 6.15 | 6.13 | 6.11 | 6.09 | 6.06 | 6.04 |
| 7 | 7 | 192 | 6.02 | 6.00 | 5.98 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.85 | 5.83 |
| 7 | 7 | 202 | 5.81 | 5.79 | 5.77 | 5.75 | 5.73 | 5.71 | 5.68 | 5.66 | 5.64 | 5.62 |
| 7 | 7 | 212 | 5.60 | 5.58 | 5.56 | 5.54 | | | | | | |
| 8 | 8 | 216 | 5.50 | 5.45 | 5.40 | 5.36 | 5.31 | 5.26 | 5.22 | 5.18 | | |
| 9 | 9 | 224 | 5.16 | 5.15 | 5.14 | 5.13 | 5.12 | 5.10 | 5.09 | 5.08 | 5.07 | |
| 12 | 12 | 244 | 5.23 | 5.22 | 5.21 | 5.20 | 5.19 | 5.18 | | | | |
| 5 | 5 | 143 | 3.67 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 153 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 163 | 3.68 | 3.68 | 3.68 | 3.69 | | | | | | |
| 6 | 6 | 167 | 3.97 | 4.22 | 4.47 | 4.75 | 5.34 | | | | | |
| 10 | 10 | 233 | 25.28 | 24.95 | 24.87 | 24.84 | 24.83 | 24.82 | 24.82 | 24.81 | 24.81 | 21.71 |
| 11 | 11 | 243 | 12.66 | | | | | | | | | |

INTERMEDIATE REPORT

Organic Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.81 | 0.82 | 0.82 | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.86 |
| 1 | 1 | 11 | 0.87 | 0.87 | 0.88 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.91 |
| 1 | 1 | 21 | 0.92 | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.96 |
| 1 | 1 | 31 | 0.96 | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 |
| 1 | 1 | 41 | 1.00 | 1.01 | 1.01 | 1.01 | 1.02 | 1.02 | | | | |
| 2 | 2 | 47 | 1.03 | 1.03 | 1.04 | 1.05 | 1.05 | 1.06 | 1.06 | 1.07 | 1.08 | 1.08 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 57 | 1.09 | 1.09 | 1.10 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.14 | 1.14 |
| 2 | 2 | 67 | 1.15 | 1.15 | 1.16 | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 | 1.20 | 1.20 |
| 2 | 2 | 77 | 1.20 | | | | | | | | | |
| 3 | 3 | 78 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |
| 3 | 3 | 88 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 3 | 3 | 98 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| 3 | 3 | 108 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.24 | 1.24 | 1.24 | |
| 4 | 4 | 117 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| 4 | 4 | 127 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| 4 | 4 | 137 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | | | | |
| 7 | 7 | 172 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 182 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 192 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 202 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 212 | 1.22 | 1.22 | 1.22 | 1.22 | | | | | | |
| 8 | 8 | 216 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | | |
| 9 | 9 | 224 | 1.22 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | |
| 12 | 12 | 244 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | | | | |
| 5 | 5 | 143 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| 5 | 5 | 153 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| 5 | 5 | 163 | 0.83 | 0.83 | 0.83 | 0.83 | | | | | | |
| 6 | 6 | 167 | 0.84 | 0.85 | 0.86 | 0.88 | 0.98 | | | | | |
| 10 | 10 | 233 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.73 |
| 11 | 11 | 243 | 1.48 | | | | | | | | | |

INTERMEDIATE REPORT

Ammonia Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 |
| 1 | 1 | 11 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 21 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 31 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 41 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | | | | |
| 2 | 2 | 47 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 |
| 2 | 2 | 57 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 |
| 2 | 2 | 67 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 77 | 0.11 | | | | | | | | | |
| 3 | 3 | 78 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 88 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 98 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 108 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | |
| 4 | 4 | 117 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 127 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 137 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | | | | |
| 7 | 7 | 172 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 182 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 192 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 202 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 212 | 0.10 | 0.10 | 0.10 | 0.10 | | | | | | |
| 8 | 8 | 216 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 9 | 224 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 12 | 12 | 244 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | |
| 5 | 5 | 143 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 5 | 5 | 153 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 5 | 5 | 163 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | |
| 6 | 6 | 167 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | | | | | |
| 10 | 10 | 233 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 11 | 11 | 243 | 0.10 | | | | | | | | | |

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Total Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.93 | 0.92 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.93 | 0.93 | 0.93 |
| 1 | 1 | 11 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 |
| 1 | 1 | 21 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.02 |
| 1 | 1 | 31 | 1.02 | 1.02 | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.06 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 41 | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.08 | | | | |
| 2 | 2 | 47 | 1.09 | 1.10 | 1.11 | 1.12 | 1.12 | 1.13 | 1.14 | 1.15 | 1.16 | 1.16 |
| 2 | 2 | 57 | 1.17 | 1.18 | 1.19 | 1.20 | 1.20 | 1.21 | 1.22 | 1.22 | 1.23 | 1.24 |
| 2 | 2 | 67 | 1.25 | 1.25 | 1.26 | 1.27 | 1.27 | 1.28 | 1.29 | 1.29 | 1.30 | 1.31 |
| 2 | 2 | 77 | 1.31 | | | | | | | | | |
| 3 | 3 | 78 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 3 | 3 | 88 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 |
| 3 | 3 | 98 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 |
| 3 | 3 | 108 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | |
| 4 | 4 | 117 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| 4 | 4 | 127 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| 4 | 4 | 137 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | | | | |
| 7 | 7 | 172 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 182 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 192 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 202 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 |
| 7 | 7 | 212 | 1.31 | 1.31 | 1.31 | 1.31 | | | | | | |
| 8 | 8 | 216 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | | |
| 9 | 9 | 224 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | |
| 12 | 12 | 244 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.30 | | | | |
| 5 | 5 | 143 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 5 | 5 | 153 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 5 | 5 | 163 | 0.87 | 0.87 | 0.87 | 0.87 | | | | | | |
| 6 | 6 | 167 | 0.89 | 0.91 | 0.92 | 0.95 | 1.06 | | | | | |
| 10 | 10 | 233 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.77 |
| 11 | 11 | 243 | 1.58 | | | | | | | | | |

INTERMEDIATE REPORT

Chlorophyll a — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

µg/L — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 41 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | | |
| 2 | 2 | 47 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 57 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 67 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 77 | 20.00 | | | | | | | | | |
| 3 | 3 | 78 | 20.85 | 21.69 | 22.54 | 23.38 | 24.23 | 25.08 | 25.92 | 26.77 | 27.62 | 28.46 |
| 3 | 3 | 88 | 29.31 | 30.15 | 31.00 | 31.85 | 32.69 | 33.54 | 34.38 | 35.23 | 36.08 | 36.92 |
| 3 | 3 | 98 | 37.77 | 38.62 | 39.46 | 40.31 | 41.15 | 42.00 | 42.85 | 43.69 | 44.54 | 45.38 |
| 3 | 3 | 108 | 46.23 | 47.08 | 47.92 | 48.77 | 49.62 | 50.46 | 51.31 | 52.15 | 53.00 | |
| 4 | 4 | 117 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 4 | 4 | 127 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 4 | 4 | 137 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | | | |
| 7 | 7 | 172 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 182 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 192 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 202 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 212 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | | |
| 8 | 8 | 216 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | |
| 9 | 9 | 224 | 57.56 | 62.11 | 66.67 | 71.22 | 75.78 | 80.33 | 84.89 | 89.44 | 94.00 | |
| 12 | 12 | 244 | 78.35 | 62.70 | 47.04 | 31.39 | 15.74 | 0.09 | | | | |
| 5 | 5 | 143 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 5 | 5 | 153 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 5 | 5 | 163 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | | |
| 6 | 6 | 167 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | |
| 10 | 10 | 233 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 |
| 11 | 11 | 243 | 94.00 | | | | | | | | | |

INTERMEDIATE REPORT

Temperature — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

deg C — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 11 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 21 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 31 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 41 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | |
| 2 | 2 | 47 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 57 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 67 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 77 | 31.10 | | | | | | | | | |
| 3 | 3 | 78 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 88 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 98 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 108 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | |
| 4 | 4 | 117 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 4 | 4 | 127 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 4 | 4 | 137 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | |
| 7 | 7 | 172 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 182 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 192 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 202 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 212 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | | |
| 8 | 8 | 216 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | |
| 9 | 9 | 224 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | |
| 12 | 12 | 244 | 31.32 | 31.53 | 31.75 | 31.97 | 32.18 | 32.40 | | | | |
| 5 | 5 | 143 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 5 | 5 | 153 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 5 | 5 | 163 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | | |
| 6 | 6 | 167 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | |
| 10 | 10 | 233 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 11 | 11 | 243 | 31.10 | | | | | | | | | |

INTERMEDIATE REPORT

Salinity — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

ppt — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Reaeration Rate per day — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 11 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 21 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 31 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 41 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | | | | |
| 2 | 2 | 47 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 57 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 67 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 77 | 0.735 | | | | | | | | | |
| 3 | 3 | 78 | 1.345 | 1.345 | 1.345 | 1.345 | 1.345 | 1.346 | 1.346 | 1.346 | 1.346 | 1.346 |
| 3 | 3 | 88 | 1.346 | 1.346 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 |
| 3 | 3 | 98 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.349 | 1.349 |
| 3 | 3 | 108 | 1.349 | 1.349 | 1.349 | 1.349 | 1.349 | 1.350 | 1.350 | 1.350 | 1.350 | |
| 4 | 4 | 117 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 |
| 4 | 4 | 127 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 |
| 4 | 4 | 137 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | | | | |
| 7 | 7 | 172 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 182 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 192 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 202 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 212 | 1.017 | 1.017 | 1.017 | 1.017 | | | | | | |
| 8 | 8 | 216 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | | |
| 9 | 9 | 224 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | |
| 12 | 12 | 244 | 1.556 | 1.561 | 1.567 | 1.573 | 1.579 | 1.584 | | | | |
| 5 | 5 | 143 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 |
| 5 | 5 | 153 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 |
| 5 | 5 | 163 | 1.425 | 1.425 | 1.425 | 1.425 | | | | | | |
| 6 | 6 | 167 | 0.451 | 0.451 | 0.451 | 0.451 | 0.451 | | | | | |
| 10 | 10 | 233 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 |
| 11 | 11 | 243 | 0.554 | | | | | | | | | |

INTERMEDIATE REPORT

BOD Decay Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 11 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 31 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 41 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | | | | |
| 2 | 2 | 47 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 57 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 67 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 77 | 0.22 | | | | | | | | | |
| 3 | 3 | 78 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 88 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 98 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 108 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | |
| 4 | 4 | 117 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 4 | 4 | 127 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 4 | 4 | 137 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | | | | |
| 7 | 7 | 172 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 182 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 192 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 202 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 212 | 0.52 | 0.52 | 0.52 | 0.52 | | | | | | |
| 8 | 8 | 216 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | | |
| 9 | 9 | 224 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | |
| 12 | 12 | 244 | 0.52 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | | | | |
| 5 | 5 | 143 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 5 | 5 | 153 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 5 | 5 | 163 | 0.10 | 0.10 | 0.10 | 0.10 | | | | | | |
| 6 | 6 | 167 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | | | | | |
| 10 | 10 | 233 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 11 | 11 | 243 | 0.52 | | | | | | | | | |

INTERMEDIATE REPORT

BOD Settling Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Ammonia Decay Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 11 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 21 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 31 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 41 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | | | | |
| 2 | 2 | 47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |
| 2 | 2 | 57 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 |
| 2 | 2 | 67 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 2 | 2 | 77 | 0.45 | | | | | | | | | |
| 3 | 3 | 78 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 3 | 3 | 88 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 3 | 3 | 98 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 3 | 3 | 108 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | |
| 4 | 4 | 117 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 4 | 4 | 127 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 4 | 4 | 137 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 172 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 182 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 192 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 202 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 212 | 0.45 | 0.45 | 0.45 | 0.45 | | | | | | |
| 8 | 8 | 216 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | |
| 9 | 9 | 224 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | |
| 12 | 12 | 244 | 0.46 | 0.47 | 0.48 | 0.49 | 0.50 | 0.51 | | | | |
| 5 | 5 | 143 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 5 | 5 | 153 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 5 | 5 | 163 | 0.47 | 0.47 | 0.47 | 0.47 | | | | | | |
| 6 | 6 | 167 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | | | | | |
| 10 | 10 | 233 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| 11 | 11 | 243 | 0.47 | | | | | | | | | |

INTERMEDIATE REPORT

Sediment Oxygen Demand — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

g/m²/d — Baseline Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 11 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 21 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 31 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | | | | |
| 2 | 2 | 47 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 57 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 67 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 77 | 2.82 | | | | | | | | | |
| 3 | 3 | 78 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 88 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 98 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 108 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | |
| 4 | 4 | 117 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 4 | 4 | 127 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 4 | 4 | 137 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | | | |
| 7 | 7 | 172 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 182 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 192 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 202 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 212 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | | |
| 8 | 8 | 216 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | |
| 9 | 9 | 224 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | |
| 12 | 12 | 244 | 4.08 | 4.13 | 4.19 | 4.25 | 4.31 | 4.37 | | | | |
| 5 | 5 | 143 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 5 | 5 | 153 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 5 | 5 | 163 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | | |
| 6 | 6 | 167 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | |
| 10 | 10 | 233 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 11 | 11 | 243 | 4.02 | | | | | | | | | |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

ADVEC MEAN DO REAER BOD1 BOD1 BOD2 BOD2 NH3

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | VELO | VELO | SAT | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| | | | HDWTR | 11.459 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | | | | | | | | | | | | | |
| 1 | 1 | 1 | 20.80 | 11.522 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 2 | 1 | 1 | 20.70 | 11.584 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 3 | 1 | 1 | 20.60 | 11.647 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 4 | 1 | 1 | 20.50 | 11.710 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 5 | 1 | 1 | 20.40 | 11.773 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 6 | 1 | 1 | 20.30 | 11.836 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 7 | 1 | 1 | 20.20 | 11.898 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 8 | 1 | 1 | 20.10 | 11.961 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 9 | 1 | 1 | 20.00 | 12.024 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 10 | 1 | 1 | 19.90 | 12.087 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 11 | 1 | 1 | 19.80 | 12.149 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 12 | 1 | 1 | 19.70 | 12.212 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 13 | 1 | 1 | 19.60 | 12.275 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 14 | 1 | 1 | 19.50 | 12.338 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 15 | 1 | 1 | 19.40 | 12.400 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 16 | 1 | 1 | 19.30 | 12.463 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 17 | 1 | 1 | 19.20 | 12.526 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 18 | 1 | 1 | 19.10 | 12.589 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 19 | 1 | 1 | 19.00 | 12.652 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 20 | 1 | 1 | 18.90 | 12.714 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 21 | 1 | 1 | 18.80 | 12.777 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 22 | 1 | 1 | 18.70 | 12.840 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| WASTELOAD # 023 (LAG480431) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 1 | 1 | 18.60 | 12.903 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 24 | 1 | 1 | 18.50 | 12.966 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 25 | 1 | 1 | 18.40 | 13.028 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 26 | 1 | 1 | 18.30 | 13.091 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 27 | 1 | 1 | 18.20 | 13.154 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 28 | 1 | 1 | 18.10 | 13.217 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 29 | 1 | 1 | 18.00 | 13.279 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 30 | 1 | 1 | 17.90 | 13.342 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 31 | 1 | 1 | 17.80 | 13.405 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 32 | 1 | 1 | 17.70 | 13.468 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 33 | 1 | 1 | 17.60 | 13.530 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 34 | 1 | 1 | 17.50 | 13.593 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 35 | 1 | 1 | 17.40 | 13.656 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 36 | 1 | 1 | 17.30 | 13.719 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 37 | 1 | 1 | 17.20 | 13.782 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 38 | 1 | 1 | 17.10 | 13.844 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 39 | 1 | 1 | 17.00 | 13.907 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 40 | 1 | 1 | 16.90 | 13.970 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 41 | 1 | 1 | 16.80 | 14.033 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 42 | 1 | 1 | 16.70 | 14.095 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 43 | 1 | 1 | 16.60 | 14.158 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 44 | 1 | 1 | 16.50 | 14.221 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 45 | 1 | 1 | 16.40 | 14.284 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 46 | 1 | 1 | 16.30 | 14.346 | 31.1 | 0.0 | 6.5 | 2.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 2 | 2 | 16.20 | 14.246 | 31.1 | 0.0 | 6.5 | 3.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 48 | 2 | 2 | 16.10 | 14.146 | 31.1 | 0.0 | 6.4 | 3.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 49 | 2 | 2 | 16.00 | 14.045 | 31.1 | 0.0 | 6.4 | 3.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 50 | 2 | 2 | 15.90 | 13.945 | 31.1 | 0.0 | 6.3 | 3.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 51 | 2 | 2 | 15.80 | 13.844 | 31.1 | 0.0 | 6.3 | 3.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 52 | 2 | 2 | 15.70 | 13.744 | 31.1 | 0.0 | 6.2 | 3.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 53 | 2 | 2 | 15.60 | 13.644 | 31.1 | 0.0 | 6.2 | 4.1 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 54 | 2 | 2 | 15.50 | 13.543 | 31.1 | 0.0 | 6.1 | 4.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 55 | 2 | 2 | 15.40 | 13.443 | 31.1 | 0.0 | 6.1 | 4.4 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 56 | 2 | 2 | 15.30 | 13.342 | 31.1 | 0.0 | 6.1 | 4.6 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 57 | 2 | 2 | 15.20 | 13.242 | 31.1 | 0.0 | 6.0 | 4.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 58 | 2 | 2 | 15.10 | 13.142 | 31.1 | 0.0 | 6.0 | 4.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 59 | 2 | 2 | 15.00 | 13.041 | 31.1 | 0.0 | 5.9 | 5.0 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 60 | 2 | 2 | 14.90 | 12.941 | 31.1 | 0.0 | 5.9 | 5.1 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 61 | 2 | 2 | 14.80 | 12.840 | 31.1 | 0.0 | 5.8 | 5.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 62 | 2 | 2 | 14.70 | 12.740 | 31.1 | 0.0 | 5.8 | 5.4 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 63 | 2 | 2 | 14.60 | 12.640 | 31.1 | 0.0 | 5.7 | 5.5 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 64 | 2 | 2 | 14.50 | 12.539 | 31.1 | 0.0 | 5.7 | 5.6 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 65 | 2 | 2 | 14.40 | 12.439 | 31.1 | 0.0 | 5.6 | 5.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 66 | 2 | 2 | 14.30 | 12.338 | 31.1 | 0.0 | 5.6 | 5.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 67 | 2 | 2 | 14.20 | 12.238 | 31.1 | 0.0 | 5.5 | 6.0 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 68 | 2 | 2 | 14.10 | 12.137 | 31.1 | 0.0 | 5.5 | 6.1 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 69 | 2 | 2 | 14.00 | 12.037 | 31.1 | 0.0 | 5.5 | 6.2 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 70 | 2 | 2 | 13.90 | 11.937 | 31.1 | 0.0 | 5.4 | 6.3 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 71 | 2 | 2 | 13.80 | 11.836 | 31.1 | 0.0 | 5.4 | 6.4 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 72 | 2 | 2 | 13.70 | 11.736 | 31.1 | 0.0 | 5.3 | 6.5 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 73 | 2 | 2 | 13.60 | 11.635 | 31.1 | 0.0 | 5.3 | 6.6 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 74 | 2 | 2 | 13.50 | 11.535 | 31.1 | 0.0 | 5.3 | 6.6 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 75 | 2 | 2 | 13.40 | 11.435 | 31.1 | 0.0 | 5.2 | 6.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 76 | 2 | 2 | 13.30 | 11.334 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 77 | 2 | 2 | 13.20 | 11.234 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 78 | 3 | 3 | 13.10 | 11.236 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.8 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 79 | 3 | 3 | 13.00 | 11.238 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 21.7 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 80 | 3 | 3 | 12.90 | 11.240 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 22.5 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 81 | 3 | 3 | 12.80 | 11.243 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 23.4 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 82 | 3 | 3 | 12.70 | 11.245 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 24.2 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 83 | 3 | 3 | 12.60 | 11.247 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 25.1 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 84 | 3 | 3 | 12.50 | 11.249 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 25.9 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 85 | 3 | 3 | 12.40 | 11.251 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 26.8 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 86 | 3 | 3 | 12.30 | 11.253 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 27.6 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 87 | 3 | 3 | 12.20 | 11.256 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 28.5 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 88 | 3 | 3 | 12.10 | 11.258 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 29.3 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 89 | 3 | 3 | 12.00 | 11.260 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 30.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 90 | 3 | 3 | 11.90 | 11.262 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 31.0 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 91 | 3 | 3 | 11.80 | 11.264 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 31.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 92 | 3 | 3 | 11.70 | 11.267 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 32.7 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 3 | 3 | 11.60 | 11.269 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 33.5 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 94 | 3 | 3 | 11.50 | 11.271 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 34.4 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 95 | 3 | 3 | 11.40 | 11.273 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 35.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 96 | 3 | 3 | 11.30 | 11.275 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 36.1 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 97 | 3 | 3 | 11.20 | 11.277 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 36.9 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 98 | 3 | 3 | 11.10 | 11.280 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 37.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 99 | 3 | 3 | 11.00 | 11.282 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 38.6 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 100 | 3 | 3 | 10.90 | 11.284 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 39.5 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 101 | 3 | 3 | 10.80 | 11.286 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 40.3 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 102 | 3 | 3 | 10.70 | 11.288 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 41.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 103 | 3 | 3 | 10.60 | 11.290 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 42.0 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 104 | 3 | 3 | 10.50 | 11.293 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 42.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 105 | 3 | 3 | 10.40 | 11.295 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 43.7 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 106 | 3 | 3 | 10.30 | 11.297 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 44.5 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 107 | 3 | 3 | 10.20 | 11.299 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 45.4 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 108 | 3 | 3 | 10.10 | 11.301 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 46.2 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 109 | 3 | 3 | 10.00 | 11.304 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 47.1 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 110 | 3 | 3 | 9.90 | 11.306 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 47.9 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 111 | 3 | 3 | 9.80 | 11.308 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 48.8 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 112 | 3 | 3 | 9.70 | 11.310 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 49.6 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 113 | 3 | 3 | 9.60 | 11.312 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 50.5 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 114 | 3 | 3 | 9.50 | 11.314 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 51.3 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 115 | 3 | 3 | 9.40 | 11.317 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 52.2 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 116 | 3 | 3 | 9.30 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 117 | 4 | 4 | 9.20 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 118 | 4 | 4 | 9.10 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 119 | 4 | 4 | 9.00 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 120 | 4 | 4 | 8.90 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 121 | 4 | 4 | 8.80 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 122 | 4 | 4 | 8.70 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 123 | 4 | 4 | 8.60 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 124 | 4 | 4 | 8.50 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 125 | 4 | 4 | 8.40 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 126 | 4 | 4 | 8.30 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 127 | 4 | 4 | 8.20 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 128 | 4 | 4 | 8.10 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 129 | 4 | 4 | 8.00 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 130 | 4 | 4 | 7.90 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 131 | 4 | 4 | 7.80 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 132 | 4 | 4 | 7.70 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 133 | 4 | 4 | 7.60 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 134 | 4 | 4 | 7.50 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 135 | 4 | 4 | 7.40 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 136 | 4 | 4 | 7.30 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 137 | 4 | 4 | 7.20 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 138 | 4 | 4 | 7.10 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 139 | 4 | 4 | 7.00 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 140 | 4 | 4 | 6.90 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 141 | 4 | 4 | 6.80 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 142 | 4 | 4 | 6.70 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

TRIBUTARY # 143 (Lake Theriot) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 7 | 7 | 6.60 | 11.822 | 31.1 | 0.0 | 5.3 | 6.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 173 | 7 | 7 | 6.50 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 174 | 7 | 7 | 6.40 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 175 | 7 | 7 | 6.30 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 176 | 7 | 7 | 6.20 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 177 | 7 | 7 | 6.10 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 178 | 7 | 7 | 6.00 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 179 | 7 | 7 | 5.90 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 180 | 7 | 7 | 5.80 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 181 | 7 | 7 | 5.70 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 182 | 7 | 7 | 5.60 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 183 | 7 | 7 | 5.50 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 184 | 7 | 7 | 5.40 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 185 | 7 | 7 | 5.30 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 186 | 7 | 7 | 5.20 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 187 | 7 | 7 | 5.10 | 11.822 | 31.1 | 0.0 | 5.3 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 188 | 7 | 7 | 5.00 | 11.822 | 31.1 | 0.0 | 5.3 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 189 | 7 | 7 | 4.90 | 11.822 | 31.1 | 0.0 | 5.4 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 190 | 7 | 7 | 4.80 | 11.822 | 31.1 | 0.0 | 5.4 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 191 | 7 | 7 | 4.70 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 192 | 7 | 7 | 4.60 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 193 | 7 | 7 | 4.50 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 194 | 7 | 7 | 4.40 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 195 | 7 | 7 | 4.30 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 196 | 7 | 7 | 4.20 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 197 | 7 | 7 | 4.10 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 198 | 7 | 7 | 4.00 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 199 | 7 | 7 | 3.90 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 200 | 7 | 7 | 3.80 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 201 | 7 | 7 | 3.70 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 202 | 7 | 7 | 3.60 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 203 | 7 | 7 | 3.50 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 204 | 7 | 7 | 3.40 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 205 | 7 | 7 | 3.30 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 206 | 7 | 7 | 3.20 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 207 | 7 | 7 | 3.10 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 208 | 7 | 7 | 3.00 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 209 | 7 | 7 | 2.90 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 210 | 7 | 7 | 2.80 | 11.822 | 31.1 | 0.0 | 5.4 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 211 | 7 | 7 | 2.70 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 212 | 7 | 7 | 2.60 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 213 | 7 | 7 | 2.50 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 214 | 7 | 7 | 2.40 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 215 | 7 | 7 | 2.30 | 11.822 | 31.1 | 0.0 | 5.5 | 5.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 216 | 8 | 8 | 2.20 | 11.822 | 31.1 | 0.0 | 5.5 | 5.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 217 | 8 | 8 | 2.10 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 218 | 8 | 8 | 2.00 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 219 | 8 | 8 | 1.90 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 220 | 8 | 8 | 1.80 | 11.822 | 31.1 | 0.0 | 5.5 | 5.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 221 | 8 | 8 | 1.70 | 11.822 | 31.1 | 0.0 | 5.5 | 5.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 222 | 8 | 8 | 1.60 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 223 | 8 | 8 | 1.50 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 224 | 9 | 9 | 1.40 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 57.6 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 225 | 9 | 9 | 1.30 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 62.1 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 226 | 9 | 9 | 1.20 | 11.822 | 31.1 | 0.0 | 5.5 | 5.1 | 0.0 | 1.2 | 0.1 | 66.7 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 227 | 9 | 9 | 1.10 | 11.822 | 31.1 | 0.0 | 5.5 | 5.1 | 0.0 | 1.2 | 0.1 | 71.2 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 228 | 9 | 9 | 1.00 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 75.8 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 229 | 9 | 9 | 0.90 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 80.3 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 230 | 9 | 9 | 0.80 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 84.9 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 231 | 9 | 9 | 0.70 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 89.4 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 232 | 9 | 9 | 0.60 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 94.0 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| TRIBUTARY # 233 (Lake Hache) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 244 | 12 | 12 | 0.50 | 11.935 | 31.3 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 78.3 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.4 | 1.556 | 0.52 | 0.00 | 0.00 | 0.00 | 0.46 | 4.08 |
| 245 | 12 | 12 | 0.40 | 11.935 | 31.5 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 62.7 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.4 | 1.561 | 0.53 | 0.00 | 0.00 | 0.00 | 0.47 | 4.13 |
| 246 | 12 | 12 | 0.30 | 11.935 | 31.8 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 47.0 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.567 | 0.53 | 0.00 | 0.00 | 0.00 | 0.48 | 4.19 |
| 247 | 12 | 12 | 0.20 | 11.935 | 32.0 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 31.4 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.573 | 0.54 | 0.00 | 0.00 | 0.00 | 0.49 | 4.25 |
| 248 | 12 | 12 | 0.10 | 11.935 | 32.2 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 15.7 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.579 | 0.54 | 0.00 | 0.00 | 0.00 | 0.50 | 4.31 |
| 249 | 12 | 12 | 0.00 | 11.935 | 32.4 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 0.1 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.584 | 0.55 | 0.00 | 0.00 | 0.00 | 0.51 | 4.37 |

EXPANDED CAPSULE SUMMARY FOR Lake Theriot

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | ADVEC MEAN DEPTH | WIDTH | VELO | VELO | SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 143 | 5 | 5 | 2.80 | 0.023 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 144 | 5 | 5 | 2.70 | 0.043 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 145 | 5 | 5 | 2.60 | 0.063 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 146 | 5 | 5 | 2.50 | 0.083 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 147 | 5 | 5 | 2.40 | 0.103 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 148 | 5 | 5 | 2.30 | 0.123 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 149 | 5 | 5 | 2.20 | 0.143 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 150 | 5 | 5 | 2.10 | 0.163 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 151 | 5 | 5 | 2.00 | 0.183 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 152 | 5 | 5 | 1.90 | 0.203 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 153 | 5 | 5 | 1.80 | 0.223 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 154 | 5 | 5 | 1.70 | 0.243 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 155 | 5 | 5 | 1.60 | 0.263 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 156 | 5 | 5 | 1.50 | 0.283 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 157 | 5 | 5 | 1.40 | 0.303 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 158 | 5 | 5 | 1.30 | 0.323 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 159 | 5 | 5 | 1.20 | 0.343 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 160 | 5 | 5 | 1.10 | 0.363 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 161 | 5 | 5 | 1.00 | 0.383 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 162 | 5 | 5 | 0.90 | 0.403 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 163 | 5 | 5 | 0.80 | 0.423 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 164 | 5 | 5 | 0.70 | 0.443 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 165 | 5 | 5 | 0.60 | 0.463 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 5 | 5 | 0.50 | 0.483 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.80 | 2428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 167 | 6 | 6 | 0.40 | 0.487 | 31.1 | 0.0 | 6.8 | 4.0 | 0.0 | 0.8 | 0.0 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 168 | 6 | 6 | 0.30 | 0.491 | 31.1 | 0.0 | 6.9 | 4.2 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 169 | 6 | 6 | 0.20 | 0.495 | 31.1 | 0.0 | 7.0 | 4.5 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 170 | 6 | 6 | 0.10 | 0.499 | 31.1 | 0.0 | 7.0 | 4.8 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 171 | 6 | 6 | 0.00 | 0.503 | 31.1 | 0.0 | 6.7 | 5.3 | 0.0 | 1.0 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |

EXPANDED CAPSULE SUMMARY FOR Lake Hache

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 233 | 10 | 10 | 1.00 | 0.010 | 31.1 | 0.0 | 8.7 | 25.3 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 234 | 10 | 10 | 0.90 | 0.020 | 31.1 | 0.0 | 8.7 | 24.9 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 235 | 10 | 10 | 0.80 | 0.030 | 31.1 | 0.0 | 8.7 | 24.9 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 236 | 10 | 10 | 0.70 | 0.040 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 237 | 10 | 10 | 0.60 | 0.050 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 238 | 10 | 10 | 0.50 | 0.060 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 239 | 10 | 10 | 0.40 | 0.069 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 240 | 10 | 10 | 0.30 | 0.079 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 241 | 10 | 10 | 0.20 | 0.089 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 242 | 10 | 10 | 0.10 | 0.099 | 31.1 | 0.0 | 8.7 | 21.7 | 0.0 | 1.7 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 243 | 11 | 11 | 0.00 | 0.113 | 31.1 | 0.0 | 6.7 | 12.7 | 0.0 | 1.5 | 0.1 | 94.0 | 0.1 | 1.55 | 50.0 | 0.001 | 0.001 | 7.4 | 0.554 | 0.52 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |

SPECIAL REPORT: Lake de Cade

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOTN mg/L | PHOS µg/L | CHL A ** | MACRO | COLI #/100mL | NCM * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.72 | 0.00 | 2.72 | 0.00 | 0.81 | 0.09 | 0.02 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 2 | 20.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 3 | 20.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 4 | 20.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 5 | 20.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 6 | 20.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 7 | 20.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 8 | 20.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 9 | 20.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 10 | 19.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 11 | 19.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 12 | 19.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 13 | 19.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 14 | 19.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 15 | 19.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.89 | 0.06 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 16 | 19.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.89 | 0.06 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 17 | 19.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 18 | 19.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 19 | 19.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 20 | 18.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 21 | 18.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 22 | 18.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 23 | 18.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 24 | 18.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 25 | 18.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 18.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 27 | 18.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 28 | 18.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 29 | 18.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 30 | 17.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 31 | 17.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 32 | 17.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 33 | 17.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 34 | 17.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 35 | 17.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 36 | 17.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 37 | 17.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 38 | 17.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 39 | 17.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 40 | 16.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 41 | 16.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 42 | 16.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.01 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 43 | 16.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.77 | 0.00 | 2.77 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 44 | 16.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.78 | 0.00 | 2.78 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 45 | 16.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.81 | 0.00 | 2.81 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 46 | 16.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 47 | 16.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.48 | 3.05 | 0.00 | 3.05 | 0.00 | 1.03 | 0.06 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 48 | 16.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.43 | 3.24 | 0.00 | 3.24 | 0.00 | 1.03 | 0.06 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 49 | 16.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.39 | 3.43 | 0.00 | 3.43 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 50 | 15.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.34 | 3.60 | 0.00 | 3.60 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 51 | 15.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.29 | 3.78 | 0.00 | 3.78 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 52 | 15.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.25 | 3.95 | 0.00 | 3.95 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 53 | 15.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.20 | 4.11 | 0.00 | 4.11 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 54 | 15.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.15 | 4.27 | 0.00 | 4.27 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 55 | 15.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.10 | 4.43 | 0.00 | 4.43 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 56 | 15.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.05 | 4.58 | 0.00 | 4.58 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 57 | 15.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.00 | 4.73 | 0.00 | 4.73 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 58 | 15.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.95 | 4.87 | 0.00 | 4.87 | 0.00 | 1.09 | 0.09 | 0.00 | 1.18 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 59 | 15.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.91 | 5.01 | 0.00 | 5.01 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 60 | 14.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.86 | 5.14 | 0.00 | 5.14 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 61 | 14.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.81 | 5.27 | 0.00 | 5.27 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 62 | 14.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.76 | 5.40 | 0.00 | 5.40 | 0.00 | 1.12 | 0.09 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 63 | 14.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.72 | 5.52 | 0.00 | 5.52 | 0.00 | 1.12 | 0.09 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 64 | 14.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.67 | 5.64 | 0.00 | 5.64 | 0.00 | 1.13 | 0.09 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 65 | 14.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.63 | 5.76 | 0.00 | 5.76 | 0.00 | 1.14 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 66 | 14.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.59 | 5.87 | 0.00 | 5.87 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 67 | 14.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.54 | 5.98 | 0.00 | 5.98 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 68 | 14.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.50 | 6.08 | 0.00 | 6.08 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 69 | 14.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 6.19 | 0.00 | 6.19 | 0.00 | 1.16 | 0.10 | 0.00 | 1.26 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 70 | 13.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 6.29 | 0.00 | 6.29 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 71 | 13.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 6.38 | 0.00 | 6.38 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 72 | 13.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.47 | 0.00 | 6.47 | 0.00 | 1.18 | 0.10 | 0.00 | 1.28 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 73 | 13.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.56 | 0.00 | 6.56 | 0.00 | 1.18 | 0.10 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 74 | 13.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.27 | 6.65 | 0.00 | 6.65 | 0.00 | 1.19 | 0.10 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 75 | 13.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.24 | 6.73 | 0.00 | 6.73 | 0.00 | 1.20 | 0.10 | 0.00 | 1.30 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 13.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.21 | 6.80 | 0.00 | 6.80 | 0.00 | 1.20 | 0.10 | 0.00 | 1.31 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 77 | 13.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 78 | 13.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 79 | 13.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 80 | 12.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 22.5 | 0.0 | 0. | 0.00 |
| 81 | 12.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 82 | 12.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 24.2 | 0.0 | 0. | 0.00 |
| 83 | 12.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 84 | 12.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.9 | 0.0 | 0. | 0.00 |
| 85 | 12.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 26.8 | 0.0 | 0. | 0.00 |
| 86 | 12.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 27.6 | 0.0 | 0. | 0.00 |
| 87 | 12.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 88 | 12.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 29.3 | 0.0 | 0. | 0.00 |
| 89 | 12.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.80 | 0.00 | 6.80 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 30.2 | 0.0 | 0. | 0.00 |
| 90 | 11.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.0 | 0.0 | 0. | 0.00 |
| 91 | 11.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.8 | 0.0 | 0. | 0.00 |
| 92 | 11.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |
| 93 | 11.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 94 | 11.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 95 | 11.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 96 | 11.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 97 | 11.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 98 | 11.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 37.8 | 0.0 | 0. | 0.00 |
| 99 | 11.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 38.6 | 0.0 | 0. | 0.00 |
| 100 | 10.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 39.5 | 0.0 | 0. | 0.00 |
| 101 | 10.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 40.3 | 0.0 | 0. | 0.00 |
| 102 | 10.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 41.2 | 0.0 | 0. | 0.00 |
| 103 | 10.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |
| 104 | 10.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.8 | 0.0 | 0. | 0.00 |
| 105 | 10.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 43.7 | 0.0 | 0. | 0.00 |
| 106 | 10.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 44.5 | 0.0 | 0. | 0.00 |
| 107 | 10.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 45.4 | 0.0 | 0. | 0.00 |
| 108 | 10.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 46.2 | 0.0 | 0. | 0.00 |
| 109 | 10.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.1 | 0.0 | 0. | 0.00 |
| 110 | 9.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.9 | 0.0 | 0. | 0.00 |
| 111 | 9.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 48.8 | 0.0 | 0. | 0.00 |
| 112 | 9.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 49.6 | 0.0 | 0. | 0.00 |
| 113 | 9.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 50.5 | 0.0 | 0. | 0.00 |
| 114 | 9.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 51.3 | 0.0 | 0. | 0.00 |
| 115 | 9.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 52.2 | 0.0 | 0. | 0.00 |
| 116 | 9.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 117 | 9.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 118 | 9.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 119 | 9.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.69 | 0.00 | 6.69 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 120 | 8.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 121 | 8.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 122 | 8.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 123 | 8.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 124 | 8.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 125 | 8.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 8.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 127 | 8.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 128 | 8.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 129 | 8.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 130 | 7.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.63 | 0.00 | 6.63 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 131 | 7.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 132 | 7.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 133 | 7.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 134 | 7.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 135 | 7.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 136 | 7.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 137 | 7.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 138 | 7.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 139 | 7.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 140 | 6.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 141 | 6.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 142 | 6.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 172 | 6.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.29 | 6.47 | 0.00 | 6.47 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 173 | 6.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.29 | 6.45 | 0.00 | 6.45 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 174 | 6.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.42 | 0.00 | 6.42 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 175 | 6.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.40 | 0.00 | 6.40 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 176 | 6.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.38 | 0.00 | 6.38 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 177 | 6.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.36 | 0.00 | 6.36 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 178 | 6.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.33 | 0.00 | 6.33 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 179 | 5.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.31 | 0.00 | 6.31 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 180 | 5.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.29 | 0.00 | 6.29 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 181 | 5.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.26 | 0.00 | 6.26 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 182 | 5.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.24 | 0.00 | 6.24 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 183 | 5.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.33 | 6.22 | 0.00 | 6.22 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 184 | 5.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.33 | 6.20 | 0.00 | 6.20 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 185 | 5.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.17 | 0.00 | 6.17 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 186 | 5.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.15 | 0.00 | 6.15 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 187 | 5.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.13 | 0.00 | 6.13 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 188 | 5.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.11 | 0.00 | 6.11 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 189 | 4.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.09 | 0.00 | 6.09 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 190 | 4.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.06 | 0.00 | 6.06 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 191 | 4.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.04 | 0.00 | 6.04 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 192 | 4.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.02 | 0.00 | 6.02 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 193 | 4.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.37 | 6.00 | 0.00 | 6.00 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 194 | 4.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.37 | 5.98 | 0.00 | 5.98 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 195 | 4.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 5.96 | 0.00 | 5.96 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 196 | 4.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 5.94 | 0.00 | 5.94 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 197 | 4.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.91 | 0.00 | 5.91 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 198 | 4.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.89 | 0.00 | 5.89 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 199 | 3.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.87 | 0.00 | 5.87 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 200 | 3.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 201 | 3.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.40 | 5.83 | 0.00 | 5.83 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 202 | 3.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.41 | 5.81 | 0.00 | 5.81 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 203 | 3.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.41 | 5.79 | 0.00 | 5.79 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 204 | 3.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 5.77 | 0.00 | 5.77 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 3.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 5.75 | 0.00 | 5.75 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 206 | 3.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.43 | 5.73 | 0.00 | 5.73 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 207 | 3.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.43 | 5.71 | 0.00 | 5.71 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 208 | 3.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.44 | 5.68 | 0.00 | 5.68 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 209 | 2.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.44 | 5.66 | 0.00 | 5.66 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 210 | 2.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.45 | 5.64 | 0.00 | 5.64 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 211 | 2.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.45 | 5.62 | 0.00 | 5.62 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 212 | 2.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 5.60 | 0.00 | 5.60 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 213 | 2.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 5.58 | 0.00 | 5.58 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 214 | 2.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.56 | 0.00 | 5.56 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 215 | 2.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 216 | 2.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.50 | 0.00 | 5.50 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 217 | 2.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.45 | 0.00 | 5.45 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 218 | 2.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.40 | 0.00 | 5.40 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 219 | 1.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.36 | 0.00 | 5.36 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 220 | 1.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.31 | 0.00 | 5.31 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 221 | 1.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.26 | 0.00 | 5.26 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 222 | 1.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 223 | 1.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.18 | 0.00 | 5.18 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 224 | 1.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.50 | 5.16 | 0.00 | 5.16 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 57.6 | 0.0 | 0. | 0.00 |
| 225 | 1.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.51 | 5.15 | 0.00 | 5.15 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.1 | 0.0 | 0. | 0.00 |
| 226 | 1.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.52 | 5.14 | 0.00 | 5.14 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 66.7 | 0.0 | 0. | 0.00 |
| 227 | 1.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.54 | 5.13 | 0.00 | 5.13 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 228 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.55 | 5.12 | 0.00 | 5.12 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 229 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.57 | 5.10 | 0.00 | 5.10 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 80.3 | 0.0 | 0. | 0.00 |
| 230 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.59 | 5.09 | 0.00 | 5.09 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 84.9 | 0.0 | 0. | 0.00 |
| 231 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.61 | 5.08 | 0.00 | 5.08 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 89.4 | 0.0 | 0. | 0.00 |
| 232 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.63 | 5.07 | 0.00 | 5.07 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 244 | 0.500 | 31.32 | 0.0 | 0.0 | 0.0 | 5.66 | 5.23 | 0.00 | 5.23 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 245 | 0.400 | 31.53 | 0.0 | 0.0 | 0.0 | 5.67 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.7 | 0.0 | 0. | 0.00 |
| 246 | 0.300 | 31.75 | 0.0 | 0.0 | 0.0 | 5.67 | 5.21 | 0.00 | 5.21 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 247 | 0.200 | 31.97 | 0.0 | 0.0 | 0.0 | 5.67 | 5.20 | 0.00 | 5.20 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 248 | 0.100 | 32.18 | 0.0 | 0.0 | 0.0 | 5.66 | 5.19 | 0.00 | 5.19 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 15.7 | 0.0 | 0. | 0.00 |
| 249 | 0.000 | 32.40 | 0.0 | 0.0 | 0.0 | 5.66 | 5.18 | 0.00 | 5.18 | 0.00 | 1.21 | 0.09 | 0.00 | 1.30 | 0.00 | 0.1 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake Theriot

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A | MACRO #/100mL | COLI * | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.67 | 0.00 | 3.67 | 0.00 | 0.84 | 0.04 | 0.00 | 0.88 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 144 | 2.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.88 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 145 | 2.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 146 | 2.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 147 | 2.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 148 | 2.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 149 | 2.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 150 | 2.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 151 | 2.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 152 | 1.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 153 | 1.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 154 | 1.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 1.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 156 | 1.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 157 | 1.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 158 | 1.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 159 | 1.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 160 | 1.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 161 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 162 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 163 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 164 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 165 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 166 | 0.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 167 | 0.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.80 | 3.97 | 0.00 | 3.97 | 0.00 | 0.84 | 0.05 | 0.00 | 0.89 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 168 | 0.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.92 | 4.22 | 0.00 | 4.22 | 0.00 | 0.85 | 0.05 | 0.00 | 0.91 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 169 | 0.200 | 31.10 | 0.0 | 0.0 | 0.0 | 7.01 | 4.47 | 0.00 | 4.47 | 0.00 | 0.86 | 0.06 | 0.00 | 0.92 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 170 | 0.100 | 31.10 | 0.0 | 0.0 | 0.0 | 7.05 | 4.75 | 0.00 | 4.75 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 171 | 0.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.65 | 5.34 | 0.00 | 5.34 | 0.00 | 0.98 | 0.08 | 0.00 | 1.06 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake Hache

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 25.28 | 0.00 | 25.28 | 0.00 | 1.83 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 234 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.95 | 0.00 | 24.95 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 235 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.87 | 0.00 | 24.87 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 236 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.84 | 0.00 | 24.84 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 237 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.83 | 0.00 | 24.83 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 238 | 0.500 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.82 | 0.00 | 24.82 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 239 | 0.400 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.82 | 0.00 | 24.82 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 240 | 0.300 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.81 | 0.00 | 24.81 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 241 | 0.200 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.81 | 0.00 | 24.81 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 242 | 0.100 | 31.10 | 0.0 | 0.0 | 0.0 | 8.65 | 21.71 | 0.00 | 21.71 | 0.00 | 1.73 | 0.04 | 0.00 | 1.77 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 243 | 0.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.67 | 12.66 | 0.00 | 12.66 | 0.00 | 1.48 | 0.10 | 0.00 | 1.58 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake de Cade

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | FULL SOD * | CORR DECAY 1/da | ORG-N SETT * | ORG-N DECAY 1/da | NH3 SRCE * | NH3 RATE ** | SRCE ** | DENIT PROD 1/da | PO4 PROD 1/da | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 20.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 20.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 20.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 20.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 20.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 20.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 20.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 20.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 19.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 19.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 19.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 19.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 19.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 19.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 19.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 19.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 19.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 19.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 18.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 18.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 18.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 18.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 18.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 18.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 18.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 18.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 18.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 18.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 17.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 17.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 17.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 17.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 17.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 17.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 17.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 17.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 17.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 17.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 16.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 16.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 16.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 16.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 16.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 16.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 16.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 16.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 15.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 15.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 15.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 15.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 15.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 15.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 15.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 14.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 14.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 14.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 14.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 14.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 14.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 14.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 13.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 13.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 13.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 13.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 13.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 13.100 | 7.42 | 1.34 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 13.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 12.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 12.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 12.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 12.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 12.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 12.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 12.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 12.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 12.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 12.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 11.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 11.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 11.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 11.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 11.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 11.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 11.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 11.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 11.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 10.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 10.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 10.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 10.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 10.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 10.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 10.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 9.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | 9.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 9.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 9.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 9.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 9.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 9.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 8.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 8.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 8.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 8.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 8.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 8.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 8.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 8.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 8.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 8.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 7.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 7.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 7.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 7.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 7.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 7.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 7.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 6.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 6.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 6.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 6.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 6.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 6.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 6.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 5.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 5.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 5.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 5.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 5.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 5.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 5.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 5.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 5.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 5.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 4.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 4.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 4.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 4.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 4.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 4.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 4.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 4.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 4.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 4.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 3.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 3.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 3.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 3.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 3.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 3.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 3.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 3.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 3.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 3.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 2.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 2.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 2.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 2.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 2.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 2.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 2.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 2.200 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 2.100 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 2.000 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 1.900 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 1.800 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 1.700 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 1.600 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 1.500 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 1.400 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 1.300 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 1.200 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 1.100 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 1.000 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 6.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 0.900 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 0.800 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 0.700 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 0.600 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 0.500 | 7.39 | 1.56 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.08 | 4.08 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 0.400 | 7.36 | 1.56 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.13 | 4.13 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 0.300 | 7.34 | 1.57 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 4.19 | 0.01 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 0.200 | 7.31 | 1.57 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 4.25 | 0.01 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 0.100 | 7.28 | 1.58 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.01 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 0.000 | 7.26 | 1.58 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.37 | 4.37 | 0.01 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Lake Theriot

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#1 SETT | BOD#2 DECAY | ABOD#2 SOD | FULL SOD | CORR DECAY | ORG-N SETT | ORG-N DECAY | NH3 SRCE | NH3 RATE | NH3 SRCE | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI SETT | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 143 | 2.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 144 | 2.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 145 | 2.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 146 | 2.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 147 | 2.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 148 | 2.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 149 | 2.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 150 | 2.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 151 | 2.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 152 | 1.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 153 | 1.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 154 | 1.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 155 | 1.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 156 | 1.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 157 | 1.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 158 | 1.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 159 | 1.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 160 | 1.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 161 | 1.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 162 | 0.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 163 | 0.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 164 | 0.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 165 | 0.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 166 | 0.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 167 | 0.400 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 168 | 0.300 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 169 | 0.200 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 170 | 0.100 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 171 | 0.000 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |

SPECIAL REPORT: Lake Hache
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#1 DECAY | BOD#2 SETT | ABOD#2 DECAY | FULL SOD | CORR SOD | ORG-N DECAY | ORG-N SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 233 | 1.000 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 0.900 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 0.800 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 0.700 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 0.600 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 0.500 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 0.400 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 0.300 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 0.200 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 0.100 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 0.000 | 7.42 | 0.55 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 1 Lake Hache incl 937 Baseline Simulation for Lake de Cade Theriot and Hache model
********** REACH INPUTS **********

| ELEM | TYPE | FLOW | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | | deg C | ppt | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | #/100mL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 11.45895 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.72 | 0.00 | 2.72 | 0.00 | 0.80 | 0.10 | 0.04 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.06494 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 28.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.00217 | | | | | | | | | | | | | | | | |
| 23 | WSTLD | 0.00011 | 31.10 | 0.00 | 0.00 | 0.00 | 5.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW | PCT EFF | ADVCTV VELO | TRAVEL TIME | DEPTH | WIDTH | VOLUME | SURFACE AREA | X-SECT AREA | TIDAL PRISM | TIDAL VELO | DISPRSN | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | days | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s | |
| 1 | 20.90 | 20.80 | 11.52172 | 0.0 | 0.00487 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 2 | 20.80 | 20.70 | 11.58449 | 0.0 | 0.00489 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 3 | 20.70 | 20.60 | 11.64726 | 0.0 | 0.00492 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 4 | 20.60 | 20.50 | 11.71003 | 0.0 | 0.00495 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 5 | 20.50 | 20.40 | 11.77279 | 0.0 | 0.00497 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 6 | 20.40 | 20.30 | 11.83556 | 0.0 | 0.00500 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 7 | 20.30 | 20.20 | 11.89833 | 0.0 | 0.00503 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 8 | 20.20 | 20.10 | 11.96110 | 0.0 | 0.00505 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 9 | 20.10 | 20.00 | 12.02387 | 0.0 | 0.00508 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 10 | 20.00 | 19.90 | 12.08664 | 0.0 | 0.00511 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 11 | 19.90 | 19.80 | 12.14941 | 0.0 | 0.00513 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 12 | 19.80 | 19.70 | 12.21218 | 0.0 | 0.00516 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 13 | 19.70 | 19.60 | 12.27495 | 0.0 | 0.00519 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 14 | 19.60 | 19.50 | 12.33772 | 0.0 | 0.00521 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 15 | 19.50 | 19.40 | 12.40048 | 0.0 | 0.00524 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 16 | 19.40 | 19.30 | 12.46325 | 0.0 | 0.00527 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 17 | 19.30 | 19.20 | 12.52602 | 0.0 | 0.00529 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 18 | 19.20 | 19.10 | 12.58879 | 0.0 | 0.00532 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 19 | 19.10 | 19.00 | 12.65156 | 0.0 | 0.00535 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 20 | 19.00 | 18.90 | 12.71433 | 0.0 | 0.00537 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 21 | 18.90 | 18.80 | 12.77710 | 0.0 | 0.00540 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 22 | 18.80 | 18.70 | 12.83987 | 0.0 | 0.00542 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 23 | 18.70 | 18.60 | 12.90275 | 0.0 | 0.00545 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 24 | 18.60 | 18.50 | 12.96551 | 0.0 | 0.00548 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 25 | 18.50 | 18.40 | 13.02828 | 0.0 | 0.00550 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 26 | 18.40 | 18.30 | 13.09105 | 0.0 | 0.00553 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 27 | 18.30 | 18.20 | 13.15382 | 0.0 | 0.00556 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 28 | 18.20 | 18.10 | 13.21659 | 0.0 | 0.00558 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 29 | 18.10 | 18.00 | 13.27936 | 0.0 | 0.00561 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 30 | 18.00 | 17.90 | 13.34213 | 0.0 | 0.00564 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 31 | 17.90 | 17.80 | 13.40490 | 0.0 | 0.00566 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 32 | 17.80 | 17.70 | 13.46767 | 0.0 | 0.00569 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 33 | 17.70 | 17.60 | 13.53043 | 0.0 | 0.00572 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 34 | 17.60 | 17.50 | 13.59320 | 0.0 | 0.00574 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 35 | 17.50 | 17.40 | 13.65597 | 0.0 | 0.00577 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 36 | 17.40 | 17.30 | 13.71874 | 0.0 | 0.00580 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 37 | 17.30 | 17.20 | 13.78151 | 0.0 | 0.00582 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 38 | 17.20 | 17.10 | 13.84428 | 0.0 | 0.00585 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 39 | 17.10 | 17.00 | 13.90705 | 0.0 | 0.00588 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 40 | 17.00 | 16.90 | 13.96982 | 0.0 | 0.00590 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 41 | 16.90 | 16.80 | 14.03259 | 0.0 | 0.00593 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 16.80 | 16.70 | 14.09536 | 0.0 | 0.00596 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 43 | 16.70 | 16.60 | 14.15812 | 0.0 | 0.00598 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 44 | 16.60 | 16.50 | 14.22089 | 0.0 | 0.00601 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 45 | 16.50 | 16.40 | 14.28366 | 0.0 | 0.00603 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 46 | 16.40 | 16.30 | 14.34643 | 0.0 | 0.00606 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| TOT | | | | | 9.78 | | | 10887509.00 | 7024200.00 | | | | | | |
| AVG | | | | 0.0054 | | | 1.55 | 1527.00 | | | 2366.85 | | | | |
| CUM | | | | | 9.78 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
| 1 | 20.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 20.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 20.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 20.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 20.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 20.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 20.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 20.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 20.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 19.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 19.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 19.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 19.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 19.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 19.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 19.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 19.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 19.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 19.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 18.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 18.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 18.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 18.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 18.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 18.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 18.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 18.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 18.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 18.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 17.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 17.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 32 | 17.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 33 | 17.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | 17.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | 17.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | 17.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 37 | 17.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | 17.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 17.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 16.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 16.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 16.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 16.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 16.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | | 0.60 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | | | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.72 | 0.00 | 2.72 | 0.00 | 0.81 | 0.09 | 0.02 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 2 | 20.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 3 | 20.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 4 | 20.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 5 | 20.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 6 | 20.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 7 | 20.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 8 | 20.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 9 | 20.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 10 | 19.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 11 | 19.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 12 | 19.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 13 | 19.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 14 | 19.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 15 | 19.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.89 | 0.06 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 16 | 19.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.89 | 0.06 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 17 | 19.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 18 | 19.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 19 | 19.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 20 | 18.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 21 | 18.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 22 | 18.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 23 | 18.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 24 | 18.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 25 | 18.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 26 | 18.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 27 | 18.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 28 | 18.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 29 | 18.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 30 | 17.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 31 | 17.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 32 | 17.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 33 | 17.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 34 | 17.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 35 | 17.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 36 | 17.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 37 | 17.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 17.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 39 | 17.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 40 | 16.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 41 | 16.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 42 | 16.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.01 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 43 | 16.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.77 | 0.00 | 2.77 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 44 | 16.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.78 | 0.00 | 2.78 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 45 | 16.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.81 | 0.00 | 2.81 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 46 | 16.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 2 Lake Hache incl 120406-B Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | UPR RCH | 14.34643 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.09637 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | |
| EACH | INCR | -0.19677 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF m/s | ADVCTV VELO days | TRAVEL TIME m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 16.30 | 16.20 | 14.24602 | 0.0 | 0.00893 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 48 | 16.20 | 16.10 | 14.14562 | 0.0 | 0.00887 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 49 | 16.10 | 16.00 | 14.04521 | 0.0 | 0.00881 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 50 | 16.00 | 15.90 | 13.94480 | 0.0 | 0.00874 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 51 | 15.90 | 15.80 | 13.84440 | 0.0 | 0.00868 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 52 | 15.80 | 15.70 | 13.74399 | 0.0 | 0.00862 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 53 | 15.70 | 15.60 | 13.64358 | 0.0 | 0.00855 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 54 | 15.60 | 15.50 | 13.54318 | 0.0 | 0.00849 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 55 | 15.50 | 15.40 | 13.44277 | 0.0 | 0.00843 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 56 | 15.40 | 15.30 | 13.34236 | 0.0 | 0.00837 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 57 | 15.30 | 15.20 | 13.24196 | 0.0 | 0.00830 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 58 | 15.20 | 15.10 | 13.14155 | 0.0 | 0.00824 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 59 | 15.10 | 15.00 | 13.04114 | 0.0 | 0.00818 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 60 | 15.00 | 14.90 | 12.94074 | 0.0 | 0.00811 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 61 | 14.90 | 14.80 | 12.84033 | 0.0 | 0.00805 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 62 | 14.80 | 14.70 | 12.73992 | 0.0 | 0.00799 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 63 | 14.70 | 14.60 | 12.63952 | 0.0 | 0.00792 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 64 | 14.60 | 14.50 | 12.53911 | 0.0 | 0.00786 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 65 | 14.50 | 14.40 | 12.43870 | 0.0 | 0.00780 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 66 | 14.40 | 14.30 | 12.33830 | 0.0 | 0.00774 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 67 | 14.30 | 14.20 | 12.23789 | 0.0 | 0.00767 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 68 | 14.20 | 14.10 | 12.13748 | 0.0 | 0.00761 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 69 | 14.10 | 14.00 | 12.03708 | 0.0 | 0.00755 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 70 | 14.00 | 13.90 | 11.93667 | 0.0 | 0.00748 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 71 | 13.90 | 13.80 | 11.83626 | 0.0 | 0.00742 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 72 | 13.80 | 13.70 | 11.73586 | 0.0 | 0.00736 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 73 | 13.70 | 13.60 | 11.63545 | 0.0 | 0.00730 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 74 | 13.60 | 13.50 | 11.53504 | 0.0 | 0.00723 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 75 | 13.50 | 13.40 | 11.43464 | 0.0 | 0.00717 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 13.40 | 13.30 | 11.33423 | 0.0 | 0.00711 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | | | | | | | | | |
| 77 | 13.30 | 13.20 | 11.23382 | 0.0 | 0.00704 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | | | | | | | | | |
| TOT | | | | | 4.51 | | | 4944345.00 | 3189900.00 | | | | | | | | | | | | | | | |
| AVG | | | | 0.0079 | | | 1.55 | 1029.00 | | | 1594.95 | | | | | | | | | | | | | |
| CUM | | | | | 14.30 | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SETT 1/da | BKGD * | FULL * | CORR * | ORGN DECAY 1/da | ORGN SETT 1/da | NH3 DECAY 1/da | NH3 SRCE * | DENIT RATE 1/da | PO4 SRCE ** | ALG PROD ** | MAC PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 16.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 16.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 16.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 15.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 15.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 15.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 15.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 15.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 15.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 15.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 14.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 14.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 14.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 14.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 14.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 14.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 14.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 13.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 13.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 13.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 13.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 13.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.60 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | | | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN $g/m^3$ | PHOS | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 16.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.48 | 3.05 | 0.00 | 3.05 | 0.00 | 1.03 | 0.06 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 48 | 16.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.43 | 3.24 | 0.00 | 3.24 | 0.00 | 1.03 | 0.06 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 49 | 16.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.39 | 3.43 | 0.00 | 3.43 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 50 | 15.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.34 | 3.60 | 0.00 | 3.60 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 51 | 15.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.29 | 3.78 | 0.00 | 3.78 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 15.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.25 | 3.95 | 0.00 | 3.95 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 53 | 15.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.20 | 4.11 | 0.00 | 4.11 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 54 | 15.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.15 | 4.27 | 0.00 | 4.27 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 55 | 15.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.10 | 4.43 | 0.00 | 4.43 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 56 | 15.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.05 | 4.58 | 0.00 | 4.58 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 57 | 15.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.00 | 4.73 | 0.00 | 4.73 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 58 | 15.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.95 | 4.87 | 0.00 | 4.87 | 0.00 | 1.09 | 0.09 | 0.00 | 1.18 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 59 | 15.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.91 | 5.01 | 0.00 | 5.01 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 60 | 14.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.86 | 5.14 | 0.00 | 5.14 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 61 | 14.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.81 | 5.27 | 0.00 | 5.27 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 62 | 14.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.76 | 5.40 | 0.00 | 5.40 | 0.00 | 1.12 | 0.09 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 63 | 14.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.72 | 5.52 | 0.00 | 5.52 | 0.00 | 1.12 | 0.09 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 64 | 14.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.67 | 5.64 | 0.00 | 5.64 | 0.00 | 1.13 | 0.09 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 65 | 14.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.63 | 5.76 | 0.00 | 5.76 | 0.00 | 1.14 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 66 | 14.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.59 | 5.87 | 0.00 | 5.87 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 67 | 14.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.54 | 5.98 | 0.00 | 5.98 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 68 | 14.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.50 | 6.08 | 0.00 | 6.08 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 69 | 14.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 6.19 | 0.00 | 6.19 | 0.00 | 1.16 | 0.10 | 0.00 | 1.26 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 70 | 13.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 6.29 | 0.00 | 6.29 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 71 | 13.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 6.38 | 0.00 | 6.38 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 72 | 13.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.47 | 0.00 | 6.47 | 0.00 | 1.18 | 0.10 | 0.00 | 1.28 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 73 | 13.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.56 | 0.00 | 6.56 | 0.00 | 1.18 | 0.10 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 74 | 13.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.27 | 6.65 | 0.00 | 6.65 | 0.00 | 1.19 | 0.10 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 75 | 13.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.24 | 6.73 | 0.00 | 6.73 | 0.00 | 1.20 | 0.10 | 0.00 | 1.30 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 76 | 13.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.21 | 6.80 | 0.00 | 6.80 | 0.00 | 1.20 | 0.10 | 0.00 | 1.31 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 77 | 13.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 3 L. Hache-405/406 boundary Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 µg/L | PHOS µg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | UPR RCH | 11.23382 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00218 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 60.00 | 0.00 | | 6.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | AREA m² | VOLUME m² | AREA m³ | SURFACE PRISM m/s | X-SECT VELO m²/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 13.20 | 13.10 | 11.23600 | 0.0 | 0.28996 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 79 | 13.10 | 13.00 | 11.23818 | 0.0 | 0.29002 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 80 | 13.00 | 12.90 | 11.24036 | 0.0 | 0.29007 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 81 | 12.90 | 12.80 | 11.24254 | 0.0 | 0.29013 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 82 | 12.80 | 12.70 | 11.24472 | 0.0 | 0.29019 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 83 | 12.70 | 12.60 | 11.24690 | 0.0 | 0.29024 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 84 | 12.60 | 12.50 | 11.24908 | 0.0 | 0.29030 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 85 | 12.50 | 12.40 | 11.25126 | 0.0 | 0.29036 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 86 | 12.40 | 12.30 | 11.25344 | 0.0 | 0.29041 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 87 | 12.30 | 12.20 | 11.25562 | 0.0 | 0.29047 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 | | |
| 88 | 12.20 | 12.10 | 11.25780 | 0.0 | 0.29052 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 | | |
| 89 | 12.10 | 12.00 | 11.25997 | 0.0 | 0.29058 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 | | |
| 90 | 12.00 | 11.90 | 11.26215 | 0.0 | 0.29064 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 11.90 | 11.80 | 11.26433 | 0.0 | 0.29069 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 92 | 11.80 | 11.70 | 11.26651 | 0.0 | 0.29075 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 93 | 11.70 | 11.60 | 11.26869 | 0.0 | 0.29080 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 94 | 11.60 | 11.50 | 11.27087 | 0.0 | 0.29086 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 95 | 11.50 | 11.40 | 11.27305 | 0.0 | 0.29092 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 96 | 11.40 | 11.30 | 11.27523 | 0.0 | 0.29097 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 97 | 11.30 | 11.20 | 11.27741 | 0.0 | 0.29103 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 98 | 11.20 | 11.10 | 11.27959 | 0.0 | 0.29109 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 99 | 11.10 | 11.00 | 11.28177 | 0.0 | 0.29114 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 100 | 11.00 | 10.90 | 11.28395 | 0.0 | 0.29120 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 101 | 10.90 | 10.80 | 11.28612 | 0.0 | 0.29125 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 102 | 10.80 | 10.70 | 11.28830 | 0.0 | 0.29131 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 103 | 10.70 | 10.60 | 11.29048 | 0.0 | 0.29137 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 104 | 10.60 | 10.50 | 11.29266 | 0.0 | 0.29142 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 105 | 10.50 | 10.40 | 11.29484 | 0.0 | 0.29148 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 106 | 10.40 | 10.30 | 11.29702 | 0.0 | 0.29154 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 107 | 10.30 | 10.20 | 11.29920 | 0.0 | 0.29159 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 108 | 10.20 | 10.10 | 11.30138 | 0.0 | 0.29165 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 109 | 10.10 | 10.00 | 11.30356 | 0.0 | 0.29170 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 110 | 10.00 | 9.90 | 11.30574 | 0.0 | 0.29176 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 111 | 9.90 | 9.80 | 11.30792 | 0.0 | 0.29182 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 112 | 9.80 | 9.70 | 11.31009 | 0.0 | 0.29187 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 113 | 9.70 | 9.60 | 11.31227 | 0.0 | 0.29193 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 114 | 9.60 | 9.50 | 11.31445 | 0.0 | 0.29199 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 115 | 9.50 | 9.40 | 11.31663 | 0.0 | 0.29204 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 116 | 9.40 | 9.30 | 11.31881 | 0.0 | 0.29210 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| TOT | | | | | 0.16 | | | 151125.00 | 97500.00 | | | | | | |
| AVG | | | | 0.2910 | | | 1.55 | 25.00 | | | 38.75 | | | | |
| CUM | | | | | 14.45 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
| 78 | 13.100 | 7.42 | 1.34 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 79 | 13.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 80 | 12.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 81 | 12.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 82 | 12.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 83 | 12.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 84 | 12.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 85 | 12.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 86 | 12.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 87 | 12.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 88 | 12.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 89 | 12.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 90 | 11.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 91 | 11.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 92 | 11.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 93 | 11.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 94 | 11.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 11.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 11.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 11.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 11.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 11.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 10.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 10.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 10.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 10.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 10.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 10.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 10.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 9.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 9.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 9.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 9.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 1.10 0.31 0.00 0.00 0.00 0.00 0.00 2.50 0.01 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 13.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 20.85 | 0.00 | 0. | 0.00 |
| 79 | 13.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 21.69 | 0.00 | 0. | 0.00 |
| 80 | 12.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 22.54 | 0.00 | 0. | 0.00 |
| 81 | 12.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 23.38 | 0.00 | 0. | 0.00 |
| 82 | 12.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 24.23 | 0.00 | 0. | 0.00 |
| 83 | 12.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.08 | 0.00 | 0. | 0.00 |
| 84 | 12.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.92 | 0.00 | 0. | 0.00 |
| 85 | 12.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 26.77 | 0.00 | 0. | 0.00 |
| 86 | 12.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 27.62 | 0.00 | 0. | 0.00 |
| 87 | 12.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 28.46 | 0.00 | 0. | 0.00 |
| 88 | 12.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 29.31 | 0.00 | 0. | 0.00 |
| 89 | 12.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.80 | 0.00 | 6.80 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 30.15 | 0.00 | 0. | 0.00 |
| 90 | 11.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.00 | 0.00 | 0. | 0.00 |
| 91 | 11.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.85 | 0.00 | 0. | 0.00 |
| 92 | 11.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 32.69 | 0.00 | 0. | 0.00 |
| 93 | 11.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 33.54 | 0.00 | 0. | 0.00 |
| 94 | 11.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 34.38 | 0.00 | 0. | 0.00 |
| 95 | 11.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 35.23 | 0.00 | 0. | 0.00 |
| 96 | 11.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.08 | 0.00 | 0. | 0.00 |
| 97 | 11.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.92 | 0.00 | 0. | 0.00 |
| 98 | 11.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 37.77 | 0.00 | 0. | 0.00 |
| 99 | 11.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 38.62 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 10.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 39.46 | 0.00 | 0. | 0.00 |
| 101 | 10.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 40.31 | 0.00 | 0. | 0.00 |
| 102 | 10.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 41.15 | 0.00 | 0. | 0.00 |
| 103 | 10.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.00 | 0.00 | 0. | 0.00 |
| 104 | 10.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.85 | 0.00 | 0. | 0.00 |
| 105 | 10.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 43.69 | 0.00 | 0. | 0.00 |
| 106 | 10.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 44.54 | 0.00 | 0. | 0.00 |
| 107 | 10.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 45.38 | 0.00 | 0. | 0.00 |
| 108 | 10.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 46.23 | 0.00 | 0. | 0.00 |
| 109 | 10.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.08 | 0.00 | 0. | 0.00 |
| 110 | 9.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.92 | 0.00 | 0. | 0.00 |
| 111 | 9.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 48.77 | 0.00 | 0. | 0.00 |
| 112 | 9.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 49.62 | 0.00 | 0. | 0.00 |
| 113 | 9.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 50.46 | 0.00 | 0. | 0.00 |
| 114 | 9.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 51.31 | 0.00 | 0. | 0.00 |
| 115 | 9.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 52.15 | 0.00 | 0. | 0.00 |
| 116 | 9.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

REACH NO. 4 405/406 boundary to L. Theriot Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | UPR RCH | 11.31881 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 9.30 | 9.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 118 | 9.20 | 9.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 119 | 9.10 | 9.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 120 | 9.00 | 8.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 121 | 8.90 | 8.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 122 | 8.80 | 8.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 123 | 8.70 | 8.60 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 124 | 8.60 | 8.50 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 125 | 8.50 | 8.40 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 126 | 8.40 | 8.30 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 127 | 8.30 | 8.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 128 | 8.20 | 8.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 129 | 8.10 | 8.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 130 | 8.00 | 7.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 131 | 7.90 | 7.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 132 | 7.80 | 7.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 133 | 7.70 | 7.60 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 134 | 7.60 | 7.50 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 135 | 7.50 | 7.40 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 136 | 7.40 | 7.30 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 137 | 7.30 | 7.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 138 | 7.20 | 7.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 139 | 7.10 | 7.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | 7.00 | 6.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 | | | | | |
| 141 | 6.90 | 6.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 | | | | | |
| 142 | 6.80 | 6.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 | | | | | |
| TOT | | | | | 0.04 | | | 40300.00 | 26000.00 | | | | | | | | | | | |
| AVG | | | | 0.7302 | | | 1.55 | 10.00 | | | 15.50 | | | | | | | | | |
| CUM | | | | | 14.49 | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 117 | 9.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 9.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 9.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 8.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 8.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 8.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 8.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 8.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 8.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 8.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 8.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 8.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 8.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 7.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 7.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 7.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 7.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 7.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 7.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 7.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.74 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 9.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 118 | 9.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 119 | 9.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.69 | 0.00 | 6.69 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 120 | 8.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 121 | 8.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 122 | 8.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 123 | 8.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 124 | 8.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 8.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 126 | 8.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 127 | 8.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 128 | 8.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 129 | 8.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 130 | 7.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.63 | 0.00 | 6.63 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 131 | 7.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 132 | 7.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 133 | 7.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 134 | 7.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 135 | 7.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 136 | 7.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 137 | 7.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 138 | 7.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 139 | 7.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 140 | 6.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 141 | 6.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 142 | 6.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 7 L. Theriot to Mandalay WR Bndy Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | UPR RCH | 11.31881 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |
| 172 | TRIB | 0.50324 | 31.10 | 0.00 | 0.00 | 0.00 | 6.65 | 5.34 | 0.00 | 5.34 | 0.00 | 0.98 | 0.08 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.70 | 6.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 173 | 6.60 | 6.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 174 | 6.50 | 6.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 175 | 6.40 | 6.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 176 | 6.30 | 6.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 177 | 6.20 | 6.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 178 | 6.10 | 6.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 179 | 6.00 | 5.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 180 | 5.90 | 5.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 181 | 5.80 | 5.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 182 | 5.70 | 5.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 183 | 5.60 | 5.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 184 | 5.50 | 5.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 185 | 5.40 | 5.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 186 | 5.30 | 5.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 187 | 5.20 | 5.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 188 | 5.10 | 5.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 189 | 5.00 | 4.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 190 | 4.90 | 4.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 191 | 4.80 | 4.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 192 | 4.70 | 4.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 4.60 | 4.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 194 | 4.50 | 4.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 195 | 4.40 | 4.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 196 | 4.30 | 4.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 197 | 4.20 | 4.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 198 | 4.10 | 4.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 199 | 4.00 | 3.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 200 | 3.90 | 3.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 201 | 3.80 | 3.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 202 | 3.70 | 3.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 203 | 3.60 | 3.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 204 | 3.50 | 3.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 205 | 3.40 | 3.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 206 | 3.30 | 3.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 207 | 3.20 | 3.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 208 | 3.10 | 3.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 209 | 3.00 | 2.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 210 | 2.90 | 2.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 211 | 2.80 | 2.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 212 | 2.70 | 2.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 213 | 2.60 | 2.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 214 | 2.50 | 2.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 215 | 2.40 | 2.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| TOT | | | | | 0.31 | | | 313719.97 | 202400.00 | | | | | | |
| AVG | | | | 0.1658 | | | 1.55 | 46.00 | | | 71.30 | | | | |
| CUM | | | | | 14.80 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT 1/da | ORGN DECAY * | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 173 | 6.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 174 | 6.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 175 | 6.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 176 | 6.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 177 | 6.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 178 | 6.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 179 | 5.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 180 | 5.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 181 | 5.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 182 | 5.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 183 | 5.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 184 | 5.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 185 | 5.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 186 | 5.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 187 | 5.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 188 | 5.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 189 | 4.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 190 | 4.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 191 | 4.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 192 | 4.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 4.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 4.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 4.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 4.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 4.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 4.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 3.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 3.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 3.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 3.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 3.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 3.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 3.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 3.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 3.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 3.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 2.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 2.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 2.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 2.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 2.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 2.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 2.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | | 0.83 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN $g/m^3$ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.29 | 6.47 | 0.00 | 6.47 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 173 | 6.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.29 | 6.45 | 0.00 | 6.45 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 174 | 6.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.42 | 0.00 | 6.42 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 175 | 6.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.40 | 0.00 | 6.40 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 176 | 6.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.38 | 0.00 | 6.38 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 177 | 6.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.36 | 0.00 | 6.36 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 178 | 6.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.33 | 0.00 | 6.33 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 179 | 5.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.31 | 0.00 | 6.31 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 180 | 5.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.29 | 0.00 | 6.29 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 181 | 5.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.26 | 0.00 | 6.26 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 182 | 5.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.24 | 0.00 | 6.24 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 183 | 5.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.33 | 6.22 | 0.00 | 6.22 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 184 | 5.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.33 | 6.20 | 0.00 | 6.20 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 185 | 5.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.17 | 0.00 | 6.17 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 186 | 5.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.15 | 0.00 | 6.15 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 187 | 5.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.13 | 0.00 | 6.13 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 188 | 5.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.11 | 0.00 | 6.11 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 189 | 4.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.09 | 0.00 | 6.09 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 190 | 4.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.06 | 0.00 | 6.06 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 191 | 4.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.04 | 0.00 | 6.04 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 192 | 4.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.02 | 0.00 | 6.02 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 4.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.37 | 6.00 | 0.00 | 6.00 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 194 | 4.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.37 | 5.98 | 0.00 | 5.98 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 195 | 4.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 5.96 | 0.00 | 5.96 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 196 | 4.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 5.94 | 0.00 | 5.94 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 197 | 4.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.91 | 0.00 | 5.91 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 198 | 4.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.89 | 0.00 | 5.89 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 199 | 3.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.87 | 0.00 | 5.87 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 200 | 3.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 201 | 3.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.40 | 5.83 | 0.00 | 5.83 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 202 | 3.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.41 | 5.81 | 0.00 | 5.81 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 203 | 3.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.41 | 5.79 | 0.00 | 5.79 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 204 | 3.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 5.77 | 0.00 | 5.77 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 205 | 3.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 5.75 | 0.00 | 5.75 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 206 | 3.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.43 | 5.73 | 0.00 | 5.73 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 207 | 3.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.43 | 5.71 | 0.00 | 5.71 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 208 | 3.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.44 | 5.68 | 0.00 | 5.68 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 209 | 2.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.44 | 5.66 | 0.00 | 5.66 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 210 | 2.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.45 | 5.64 | 0.00 | 5.64 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 211 | 2.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.45 | 5.62 | 0.00 | 5.62 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 212 | 2.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 5.60 | 0.00 | 5.60 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 213 | 2.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 5.58 | 0.00 | 5.58 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 214 | 2.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.56 | 0.00 | 5.56 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 215 | 2.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 8 Mandalay WR Bndy to constriction Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | UPR RCH | 11.82205 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 2.30 | 2.20 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 217 | 2.20 | 2.10 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 218 | 2.10 | 2.00 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 219 | 2.00 | 1.90 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 220 | 1.90 | 1.80 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 221 | 1.80 | 1.70 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 222 | 1.70 | 1.60 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 223 | 1.60 | 1.50 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| TOT | | | | | 0.13 | | | 136400.00 | 88000.00 | | | | | | |
| AVG | | | 0.0693 | | | | 1.55 | 110.00 | | | 170.50 | | | | |
| CUM | | | | | 14.93 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | ABOD#2 DECAY * | BKGD SOD * | FULL SOD * | CORR SOD * | ORGN DECAY 1/da | ORGN SETT 1/da | ORGN SRCE * | NH3 RATE 1/da | NH3 SRCE * | DENIT PROD ** | PO4 PROD ** | ALG DECAY 1/da | MAC DECAY 1/da | COLI SETT 1/da | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 2.200 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 2.100 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | 2.000 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 1.900 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 1.800 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 1.700 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 1.600 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 1.500 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.54 0.31 0.00 0.00 0.00 0.00 0.00 2.00 0.01 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN mg/L | PHOS µg/L | CHL A g/m³ | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 2.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.50 | 0.00 | 5.50 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 217 | 2.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.48 | 5.45 | 0.00 | 5.45 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 218 | 2.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.48 | 5.40 | 0.00 | 5.40 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 219 | 1.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.48 | 5.36 | 0.00 | 5.36 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 220 | 1.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.48 | 5.31 | 0.00 | 5.31 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 221 | 1.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.49 | 5.26 | 0.00 | 5.26 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 222 | 1.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.49 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 223 | 1.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.49 | 5.18 | 0.00 | 5.18 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

REACH NO. 9 constriction to Lake Hache inflo Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 224 | UPR RCH | 11.82205 | 31.10 | 0.00 | 0.00 | 0.00 | 5.49 | 5.18 | 0.00 | 5.18 | 0.00 | 1.22 | 0.09 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 224 | 1.50 | 1.40 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 225 | 1.40 | 1.30 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 226 | 1.30 | 1.20 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 227 | 1.20 | 1.10 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 228 | 1.10 | 1.00 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 229 | 1.00 | 0.90 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 230 | 0.90 | 0.80 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 231 | 0.80 | 0.70 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| 232 | 0.70 | 0.60 | 11.82205 | 0.0 | 0.25424 | 0.00 | 1.55 | 30.00 | 4650.00 | 3000.00 | 46.50 | 0.00 | 0.000 | 0.100 | 0.254 |
| TOT | | | | | 0.04 | | | | 41850.00 | 27000.00 | | | | | |
| AVG | | | | 0.2542 | | | 1.55 | 30.00 | | | 46.50 | | | | |
| CUM | | | | | 14.98 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 * | BOD#2 SETT * | ABOD#2 DECAY * | BKGD SOD 1/da | FULL SOD 1/da | CORR SOD 1/da | ORGN DECAY 1/da | ORGN SETT * | NH3 DECAY 1/da | NH3 SRCE * | DENIT RATE ** | PO4 SRCE ** | ALG PROD 1/da | MAC PROD 1/da | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 224 | 1.400 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 225 | 1.300 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 226 | 1.200 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 227 | 1.100 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 228 | 1.000 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 6.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

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229   0.900 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 6.69 0.00  0.00  0.00  0.00
230   0.800 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.07 0.00  0.00  0.00  0.00
231   0.700 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.45 0.00  0.00  0.00  0.00
232   0.600 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.03  0.31 0.00  0.00  0.00 0.00  0.00 2.00          0.01 0.00  0.20 0.00  0.00 0.00          0.00  0.00  0.00
*  g/m²/d        **  mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1 BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C  PPT              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
224   1.400 31.10 0.00    0.00    0.00 5.50 5.16 0.00 5.16 0.00 1.22 0.09 0.00 1.31 0.00 57.56  0.00     0.  0.00
225   1.300 31.10 0.00    0.00    0.00 5.51 5.15 0.00 5.15 0.00 1.22 0.09 0.00 1.31 0.00 62.11  0.00     0.  0.00
226   1.200 31.10 0.00    0.00    0.00 5.52 5.14 0.00 5.14 0.00 1.22 0.09 0.00 1.31 0.00 66.67  0.00     0.  0.00
227   1.100 31.10 0.00    0.00    0.00 5.54 5.13 0.00 5.13 0.00 1.21 0.09 0.00 1.31 0.00 71.22  0.00     0.  0.00
228   1.000 31.10 0.00    0.00    0.00 5.55 5.12 0.00 5.12 0.00 1.21 0.09 0.00 1.31 0.00 75.78  0.00     0.  0.00
229   0.900 31.10 0.00    0.00    0.00 5.57 5.10 0.00 5.10 0.00 1.21 0.09 0.00 1.31 0.00 80.33  0.00     0.  0.00
230   0.800 31.10 0.00    0.00    0.00 5.59 5.09 0.00 5.09 0.00 1.21 0.09 0.00 1.31 0.00 84.89  0.00     0.  0.00
231   0.700 31.10 0.00    0.00    0.00 5.61 5.08 0.00 5.08 0.00 1.21 0.09 0.00 1.31 0.00 89.44  0.00     0.  0.00
232   0.600 31.10 0.00    0.00    0.00 5.63 5.07 0.00 5.07 0.00 1.21 0.09 0.00 1.31 0.00 94.00  0.00     0.  0.00
FINAL REPORT    Lake de Cade                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 12    Lake Hache inflow to 406 boundar            Baseline Simulation for Lake de Cade Theriot and Hache model
************************************************************** REACH INPUTS **************************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.              deg C    ppt              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
244  UPR RCH  11.82205  31.10    0.00    0.00    0.00  5.63  5.07  0.00  5.07  0.00  1.21  0.09  0.00  0.00 94.00    0.00    0.00
244  TRIB     0.11333  31.10    0.00    0.00    0.00  6.67 12.66  0.00 12.66  0.00  1.48  0.10  0.00  0.00 94.00    0.00    0.00
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.   DIST   DIST       EFF   VELO    TIME                          AREA   AREA    PRISM   VELO          VELO
      km     km       m³/s     m/s   days     m      m      m³      m²     m²      m³     m/s    m²/s   m/s
244   0.60   0.50  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
245   0.50   0.40  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
246   0.40   0.30  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
247   0.30   0.20  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
248   0.20   0.10  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
249   0.10   0.00  11.93538  0.0  0.38501   0.00   1.55  20.00  3100.00  2000.00  31.00   0.00  0.000   0.100  0.385
TOT                                 0.02              18600.00  12000.00
AVG                          0.3850          1.55  20.00                31.00
CUM                                14.99
************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY SETT DECAY DECAY SETT DECAY  SOD   SOD   SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *     *     *   1/da  1/da  1/da   *    1/da   *    **   **   1/da  1/da  1/da
244   0.500 7.39   1.56  0.52 0.00  0.00  0.00 0.00  0.00 4.08 4.08 4.08  0.01 0.00  0.46 0.00  0.00 0.00 6.59 0.00  0.00  0.00  0.00
245   0.400 7.36   1.56  0.53 0.00  0.00  0.00 0.00  0.00 4.13 4.13 4.13  0.01 0.00  0.47 0.00  0.00 0.00 5.32 0.00  0.00  0.00  0.00
246   0.300 7.34   1.57  0.53 0.00  0.00  0.00 0.00  0.00 4.19 4.19 4.19  0.01 0.00  0.48 0.00  0.00 0.00 4.04 0.00  0.00  0.00  0.00
247   0.200 7.31   1.57  0.54 0.00  0.00  0.00 0.00  0.00 4.25 4.25 4.25  0.01 0.00  0.49 0.00  0.00 0.00 2.72 0.00  0.00  0.00  0.00
248   0.100 7.28   1.58  0.54 0.00  0.00  0.00 0.00  0.00 4.31 4.31 4.31  0.01 0.00  0.50 0.00  0.00 0.00 1.38 0.00  0.00  0.00  0.00
249   0.000 7.26   1.58  0.55 0.00  0.00  0.00 0.00  0.00 4.37 4.37 4.37  0.01 0.00  0.51 0.00  0.00 0.00 0.01 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.26  0.31 0.00  0.00  0.00 0.00  0.00 2.00          0.01 0.00  0.20 0.00  0.00 0.00          0.00  0.00  0.00
*  g/m²/d        **  mg/L/day
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********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN mg/L | PHOS µg/L | CHL A g/m³ | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244 | 0.500 | 31.32 | 0.00 | 0.00 | 0.00 | 5.66 | 5.23 | 0.00 | 5.23 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 78.35 | 0.00 | 0. | 0.00 |
| 245 | 0.400 | 31.53 | 0.00 | 0.00 | 0.00 | 5.67 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.70 | 0.00 | 0. | 0.00 |
| 246 | 0.300 | 31.75 | 0.00 | 0.00 | 0.00 | 5.67 | 5.21 | 0.00 | 5.21 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 47.04 | 0.00 | 0. | 0.00 |
| 247 | 0.200 | 31.97 | 0.00 | 0.00 | 0.00 | 5.67 | 5.20 | 0.00 | 5.20 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 31.39 | 0.00 | 0. | 0.00 |
| 248 | 0.100 | 32.18 | 0.00 | 0.00 | 0.00 | 5.66 | 5.19 | 0.00 | 5.19 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 15.74 | 0.00 | 0. | 0.00 |
| 249 | 0.000 | 32.40 | 0.00 | 0.00 | 0.00 | 5.66 | 5.18 | 0.00 | 5.18 | 0.00 | 1.21 | 0.09 | 0.00 | 1.30 | 0.00 | 0.09 | 0.00 | 0. | 0.00 |

STREAM SUMMARY Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake de Cade Baseline Simulation for Lake de Cade Theriot and Hache model

TRAVEL TIME = 14.99 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT
FLOW = 11.23382 TO 14.34643 m³/s
DISPERSION = 0.1000 TO 0.5000 m²/s
VELOCITY = 0.00487 TO 0.73025 m/s
DEPTH = 1.55 TO 1.55 m
WIDTH = 10.00 TO ****** m
BOD DECAY = 0.22 TO 0.55 per day
NH3 DECAY = 0.44 TO 0.51 per day
SOD = 2.41 TO 5.03 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.66 TO 2.13 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.00 TO 0.01 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 31.10 TO 32.40 deg C
DISSOLVED OXYGEN = 5.06 TO 6.54 mg/L

FINAL REPORT Lake Theriot Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 5 Lake Theriot Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | HDWTR | 0.00324 | 30.00 | 0.00 | 0.00 | 0.00 | 6.90 | 2.72 | 0.00 | 2.72 | 0.00 | 0.90 | 0.10 | 0.04 | 0.00 | 53.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02000 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.90 | 2.80 | 0.02324 | 0.0 | 0.00001 | 96.74 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 144 | 2.80 | 2.70 | 0.04324 | 0.0 | 0.00002 | 51.99 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 145 | 2.70 | 2.60 | 0.06324 | 0.0 | 0.00003 | 35.55 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 146 | 2.60 | 2.50 | 0.08324 | 0.0 | 0.00004 | 27.01 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 147 | 2.50 | 2.40 | 0.10324 | 0.0 | 0.00005 | 21.78 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 148 | 2.40 | 2.30 | 0.12324 | 0.0 | 0.00006 | 18.24 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 149 | 2.30 | 2.20 | 0.14324 | 0.0 | 0.00007 | 15.69 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 150 | 2.20 | 2.10 | 0.16324 | 0.0 | 0.00008 | 13.77 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 151 | 2.10 | 2.00 | 0.18324 | 0.0 | 0.00009 | 12.27 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 152 | 2.00 | 1.90 | 0.20324 | 0.0 | 0.00010 | 11.06 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 153 | 1.90 | 1.80 | 0.22324 | 0.0 | 0.00011 | 10.07 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 1.80 | 1.70 | 0.24324 | 0.0 | 0.00013 | 9.24 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 155 | 1.70 | 1.60 | 0.26324 | 0.0 | 0.00014 | 8.54 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 156 | 1.60 | 1.50 | 0.28324 | 0.0 | 0.00015 | 7.94 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 157 | 1.50 | 1.40 | 0.30324 | 0.0 | 0.00016 | 7.41 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 158 | 1.40 | 1.30 | 0.32324 | 0.0 | 0.00017 | 6.96 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 159 | 1.30 | 1.20 | 0.34324 | 0.0 | 0.00018 | 6.55 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 160 | 1.20 | 1.10 | 0.36324 | 0.0 | 0.00019 | 6.19 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 161 | 1.10 | 1.00 | 0.38324 | 0.0 | 0.00020 | 5.87 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 162 | 1.00 | 0.90 | 0.40324 | 0.0 | 0.00021 | 5.58 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 163 | 0.90 | 0.80 | 0.42324 | 0.0 | 0.00022 | 5.31 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 164 | 0.80 | 0.70 | 0.44324 | 0.0 | 0.00023 | 5.07 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 165 | 0.70 | 0.60 | 0.46324 | 0.0 | 0.00024 | 4.85 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 166 | 0.60 | 0.50 | 0.48324 | 0.0 | 0.00025 | 4.65 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| TOT | | | | | | 398.33 | | | 4661760.00 | 5827200.00 | | | | | |
| AVG | | | | | 0.0001 | | 0.80 | 2428.00 | | | 1942.40 | | | | |
| CUM | | | | | | 398.33 | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 143 | 2.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 144 | 2.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 145 | 2.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 146 | 2.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 147 | 2.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 148 | 2.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 149 | 2.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 150 | 2.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 151 | 2.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 152 | 1.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 153 | 1.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 154 | 1.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 155 | 1.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 156 | 1.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 157 | 1.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 158 | 1.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 159 | 1.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 160 | 1.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 161 | 1.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 162 | 0.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 163 | 0.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 164 | 0.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 165 | 0.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 166 | 0.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AVG 20 DEG C RATE | | | 1.16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS $g/m^3$ | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.67 | 0.00 | 3.67 | 0.00 | 0.84 | 0.04 | 0.00 | 0.88 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 2.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.88 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 145 | 2.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 146 | 2.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 147 | 2.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 148 | 2.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 149 | 2.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 150 | 2.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 151 | 2.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 152 | 1.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 153 | 1.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 154 | 1.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 155 | 1.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 156 | 1.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 157 | 1.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 158 | 1.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 159 | 1.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 160 | 1.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 161 | 1.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 162 | 0.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 163 | 0.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 164 | 0.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 165 | 0.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 166 | 0.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake Theriot Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

REACH NO. 6 Lake Theriot Discharge Baseline Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | UPR RCH | 0.48324 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00400 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | 0.50 | 0.40 | 0.48724 | 0.0 | 0.01280 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 168 | 0.40 | 0.30 | 0.49124 | 0.0 | 0.01290 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 169 | 0.30 | 0.20 | 0.49524 | 0.0 | 0.01301 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 170 | 0.20 | 0.10 | 0.49924 | 0.0 | 0.01311 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 171 | 0.10 | 0.00 | 0.50324 | 0.0 | 0.01322 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| TOT | | | | | 0.45 | | | | 19040.00 | 10000.00 | | | | | |
| AVG | | | | 0.0130 | | 1.90 | 20.00 | | | | 38.08 | | | | |
| CUM | | | | | 398.78 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | NH3 SRCE * | DENIT PROD ** | PO4 PROD ** | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | 0.400 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 168 | 0.300 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 169 | 0.200 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 170 | 0.100 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |

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171   0.000 7.42   0.45   0.22 0.00   0.00   0.00 0.00   0.00 4.02 4.02 4.02   0.01 0.00   0.47 0.00   0.00 0.00 4.41 0.00   0.00   0.00   0.00
AVG 20 DEG C RATE    0.37   0.13 0.00   0.00   0.00 0.00   0.00 2.00            0.01 0.00   0.20 0.00   0.00 0.00            0.00   0.00   0.00
*  g/m²/d          **   mg/L/day
************************************************ WATER QUALITY CONSTITUENT VALUES ************************************************
ELEM  ENDING   TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A   MACRO    COLI    NCM
NO.    DIST  DEG C   PPT                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m³  #/100mL
167   0.400  31.10 0.00    0.00    0.00  6.80   3.97   0.00   3.97   0.00   0.84   0.05   0.00   0.89   0.00  53.00    0.00      0.   0.00
168   0.300  31.10 0.00    0.00    0.00  6.92   4.22   0.00   4.22   0.00   0.85   0.05   0.00   0.91   0.00  53.00    0.00      0.   0.00
169   0.200  31.10 0.00    0.00    0.00  7.01   4.47   0.00   4.47   0.00   0.86   0.06   0.00   0.92   0.00  53.00    0.00      0.   0.00
170   0.100  31.10 0.00    0.00    0.00  7.05   4.75   0.00   4.75   0.00   0.88   0.07   0.00   0.95   0.00  53.00    0.00      0.   0.00
171   0.000  31.10 0.00    0.00    0.00  6.65   5.34   0.00   5.34   0.00   0.98   0.08   0.00   1.06   0.00  53.00    0.00      0.   0.00
STREAM SUMMARY                                    Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake Theriot                                  Baseline Simulation for Lake de Cade Theriot and Hache model
TRAVEL TIME      =        398.78 DAYS
MAXIMUM EFFLUENT  =          0.00 PERCENT
FLOW            =  0.02324 TO   0.50324   m³/s
DISPERSION       =  0.0000  TO   0.2000   m²/s
VELOCITY         =  0.00001 TO   0.01322   m/s
DEPTH           =  0.80   TO   1.90     m
WIDTH           =  20.00   TO  ******     m
BOD DECAY        =   0.10   TO   0.22     per day
NH3 DECAY        =   0.47   TO   0.47     per day
SOD             =   4.02   TO   4.02     g/m²/d
NH3 SOURCE       =   0.00   TO   0.00     g/m²/d
REAERATION       =   0.45   TO   1.43     per day
BOD SETTLING     =   0.00   TO   0.00     per day
ORG-N DECAY      =   0.01   TO   0.01     per day
ORG-N SETTLING   =   0.00   TO   0.00     per day
TEMPERATURE      =  31.10   TO  31.10     deg C
DISSOLVED OXYGEN =   6.65   TO   7.05     mg/L
FINAL REPORT   Lake Hache                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 10   Lake Hache                         Baseline Simulation for Lake de Cade Theriot and Hache model
************************************************************ REACH INPUTS ************************************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.                 deg C     ppt                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
233  HDWTR    0.00033   30.00    0.00    0.00    0.00   8.70  60.00   0.00  60.00   0.00   2.10   0.10   0.04   0.00  94.00    0.00    0.00
EACH  INCR    0.00988   30.00    0.00    0.00    0.00   5.00  60.00   0.00                2.40   1.00   0.04   0.00    0.00    0.00
************************************************ HYDRAULIC PARAMETER VALUES ************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL   DEPTH   WIDTH   VOLUME   SURFACE  X-SECT    TIDAL   TIDAL   DISPRSN    MEAN
NO.   DIST   DIST          EFF   VELO    TIME                     AREA   AREA    PRISM   VELO           VELO
      km     km      m³/s        m/s    days      m      m      m³      m²      m²      m³     m/s     m²/s     m/s
233   1.10   1.00   0.01021   0.0  0.00001   82.47   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
234   1.00   0.90   0.02009   0.0  0.00003   41.91   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
235   0.90   0.80   0.02997   0.0  0.00004   28.10   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
236   0.80   0.70   0.03985   0.0  0.00005   21.13   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
237   0.70   0.60   0.04973   0.0  0.00007   16.93   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
238   0.60   0.50   0.05961   0.0  0.00008   14.13   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
239   0.50   0.40   0.06949   0.0  0.00010   12.12   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
240   0.40   0.30   0.07937   0.0  0.00011   10.61   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
241   0.30   0.20   0.08925   0.0  0.00012    9.43   0.75  970.00  72750.00  97000.00  727.50    0.00   0.000    0.000   0.000
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 242   0.20   0.10   0.09913  0.0  0.00014    8.49   0.75  970.00  72750.00   97000.00  727.50     0.00  0.000    0.000  0.000
 TOT                                245.32            727500.00  970000.00
 AVG                          0.0000          0.75  970.00                 727.50
 CUM                                245.32
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3   NH3 DENIT  PO4   ALG   MAC  COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY SRCE  RATE  SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
233   1.000  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
234   0.900  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
235   0.800  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
236   0.700  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
237   0.600  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
238   0.500  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
239   0.400  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
240   0.300  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
241   0.200  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
242   0.100  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.24  0.01  0.00  0.00  0.00  0.00  0.00  2.00            0.00  0.00  0.20  0.00  0.00  0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING   TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C   PPT                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m³  #/100mL
233   1.000  31.10  0.00    0.00    0.00  8.68  25.28  0.00  25.28  0.00  1.83  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
234   0.900  31.10  0.00    0.00    0.00  8.68  24.95  0.00  24.95  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
235   0.800  31.10  0.00    0.00    0.00  8.68  24.87  0.00  24.87  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
236   0.700  31.10  0.00    0.00    0.00  8.68  24.84  0.00  24.84  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
237   0.600  31.10  0.00    0.00    0.00  8.68  24.83  0.00  24.83  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
238   0.500  31.10  0.00    0.00    0.00  8.68  24.82  0.00  24.82  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
239   0.400  31.10  0.00    0.00    0.00  8.68  24.82  0.00  24.82  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
240   0.300  31.10  0.00    0.00    0.00  8.68  24.81  0.00  24.81  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
241   0.200  31.10  0.00    0.00    0.00  8.68  24.81  0.00  24.81  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
242   0.100  31.10  0.00    0.00    0.00  8.65  21.71  0.00  21.71  0.00  1.73  0.04  0.00  1.77  0.00  94.00   0.00      0.   0.00
FINAL REPORT    Lake Hache                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 11    Lake Hache Discharge                     Baseline Simulation for Lake de Cade Theriot and Hache model
********************************************************** REACH INPUTS **********************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.                deg C    ppt                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
 243  UPR RCH   0.09913   31.10    0.00    0.00    0.00  8.65  21.71  0.00  21.71  0.00  1.73  0.04  0.00  0.00  94.00    0.00   0.00
EACH  INCR     0.01420   30.00    0.00    0.00    0.00  5.00  45.00  0.00             2.00  1.00  0.04  0.00    0.00   0.00
********************************************************** HYDRAULIC PARAMETER VALUES **********************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
 NO.   DIST   DIST          EFF    VELO     TIME                      AREA   AREA    PRISM   VELO           VELO
       km     km       m³/s          m/s    days     m      m       m³       m²      m²       m³    m/s    m²/s    m/s
 243   0.10   0.00   0.11333  0.0  0.00146    0.79   1.55   50.00  7750.00   5000.00  77.50     0.00  0.000    0.100  0.001
 TOT                                0.79             7750.00   5000.00
 AVG                          0.0015          1.55   50.00                  77.50
 CUM                                246.11
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3   NH3 DENIT  PO4   ALG   MAC  COLI   NCM   NCM
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NO.   DIST D.O.   RATE DECAY SETT DECAY DECAY SETT DECAY  SOD  SOD  SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
243   0.000 7.42   0.55  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.47 0.00  0.00 0.00 7.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.45  0.31 0.00  0.00  0.00 0.00  0.00 2.00           0.01 0.00  0.20 0.00  0.00 0.00           0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
************************************************ WATER QUALITY CONSTITUENT VALUES ************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
243   0.000 31.10 0.00    0.00    0.00  6.67  12.66  0.00 12.66  0.00  1.48  0.10  0.00  1.58  0.00 94.00   0.00      0.   0.00
STREAM SUMMARY                                    Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake Hache                                  Baseline Simulation for Lake de Cade Theriot and Hache model
TRAVEL TIME      =        246.11 DAYS
MAXIMUM EFFLUENT  =         0.00 PERCENT
FLOW           =  0.01021 TO   0.11333   m³/s
DISPERSION       =  0.0000  TO   0.1000    m²/s
VELOCITY         =  0.00001 TO   0.00146   m/s
DEPTH          =  0.75   TO   1.55     m
WIDTH          =  50.00   TO  970.00     m
BOD DECAY       =   0.02   TO   0.52     per day
NH3 DECAY       =   0.47   TO   0.48     per day
SOD            =   4.02   TO   4.02     g/m²/d
NH3 SOURCE       =   0.00   TO   0.00     g/m²/d
REAERATION       =   0.55   TO   1.52     per day
BOD SETTLING     =   0.00   TO   0.00     per day
ORG-N DECAY      =   0.00   TO   0.01     per day
ORG-N SETTLING   =   0.00   TO   0.00     per day
TEMPERATURE      =  31.10   TO  31.10     deg C
DISSOLVED OXYGEN  =   6.67   TO   8.68     mg/L
Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Baseline Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake de Cade
RCH REACH NAME                    BEGIN   ENDING   REACH  TRAVEL  FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST    DIST  LENGTH   TIME     EOR     VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km      km     km     days    m3/s      m/s     m      m      cfs      fps     ft     ft
  1 Lake Hache incl 937              20.90    16.30   4.60     9.78  14.34643   0.00544   1.550 1527.00   506.572     0.018   5.086 5010.09
  2 Lake Hache incl 120406-B          16.30    13.20   3.10     4.51  11.23382   0.00795   1.550 1029.00   396.666     0.026   5.086 3376.15
  3 L. Hache-405/406 boundary         13.20     9.30   3.90     0.16  11.31881   0.29103   1.550   25.00   399.667     0.955   5.086   82.02
  4 405/406 boundary to L. Theriot     9.30     6.70   2.60     0.04  11.31881   0.73025   1.550   10.00   399.667     2.396   5.086   32.81
  7 L. Theriot to Mandalay WR Bndy     6.70     2.30   4.40     0.31  11.82205   0.16581   1.550   46.00   417.437     0.544   5.086  150.93
  8 Mandalay WR Bndy to constriction   2.30     1.50   0.80     0.13  11.82205   0.06934   1.550  110.00   417.437     0.227   5.086  360.91
  9 constriction to Lake Hache inflo   1.50     0.60   0.90     0.04  11.82205   0.25424   1.550   30.00   417.437     0.834   5.086   98.43
 12 Lake Hache inflow to 406 boundar   0.60     0.00   0.60     0.02  11.93538   0.38501   1.550   20.00   421.438     1.263   5.086   65.62
Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Baseline Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake Theriot
RCH REACH NAME                    BEGIN   ENDING   REACH  TRAVEL  FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST    DIST  LENGTH   TIME     EOR     VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km      km     km     days    m3/s      m/s     m      m      cfs      fps     ft     ft
  5 Lake Theriot                      2.90     0.50   2.40   398.33  0.48324   0.00007   0.800 2428.00    17.063     0.000   2.625 7966.27
  6 Lake Theriot Discharge            0.50     0.00   0.50     0.45  0.50324   0.01300   1.904   20.00    17.769     0.043   6.247   65.62
```

Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Baseline Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake Hache

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Lake Hache | 1.10 | 0.10 | 1.00 | 245.32 | 0.09913 | 0.00005 | 0.750 | 970.00 | 3.500 | 0.000 | 2.461 | 3182.57 |
| 11 | Lake Hache Discharge | 0.10 | 0.00 | 0.10 | 0.79 | 0.11333 | 0.00146 | 1.550 | 50.00 | 4.002 | 0.005 | 5.086 | 164.05 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6435. | 0. | -6463. | 0. | 0. | -2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -44. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7018.5 | 7018.5 | -0.07 |
| 2 | 6463. | 0. | -6496. | 2. | 0. | -1. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -42. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7048.7 | 7048.6 | -0.07 |
| 3 | 6496. | 0. | -6530. | 1. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -41. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7080.7 | 7080.7 | -0.06 |
| 4 | 6530. | 0. | -6566. | 0. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -39. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7115.0 | 7114.9 | -0.06 |
| 5 | 6566. | 0. | -6602. | -1. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -38. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7150.8 | 7150.7 | -0.06 |
| 6 | 6602. | 0. | -6639. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -37. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7187.1 | 7187.0 | -0.06 |
| 7 | 6639. | 0. | -6676. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -36. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7223.8 | 7223.8 | -0.06 |
| 8 | 6676. | 0. | -6713. | -2. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 160. | -140. | -35. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7260.9 | 7260.8 | -0.06 |
| 9 | 6713. | 0. | -6751. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 160. | -140. | -34. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7298.1 | 7298.0 | -0.06 |
| 10 | 6751. | 0. | -6789. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -34. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7335.5 | 7335.4 | -0.05 |
| 11 | 6789. | 0. | -6827. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -33. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7373.0 | 7372.9 | -0.05 |
| 12 | 6827. | 0. | -6865. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -32. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7410.5 | 7410.4 | -0.05 |
| 13 | 6865. | 0. | -6903. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 158. | -141. | -32. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7448.0 | 7448.0 | -0.05 |
| 14 | 6903. | 0. | -6941. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 158. | -141. | -31. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7485.6 | 7485.5 | -0.05 |
| 15 | 6941. | 0. | -6979. | -3. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 157. | -141. | -31. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7523.1 | 7523.0 | -0.05 |
| 16 | 6979. | 0. | -7017. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 157. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7560.5 | 7560.4 | -0.05 |
| 17 | 7017. | 0. | -7055. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7597.9 | 7597.8 | -0.05 |
| 18 | 7055. | 0. | -7093. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7635.2 | 7635.1 | -0.05 |
| 19 | 7093. | 0. | -7130. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7672.4 | 7672.3 | -0.05 |
| 20 | 7130. | 0. | -7168. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7709.5 | 7709.4 | -0.05 |
| 21 | 7168. | 0. | -7205. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7746.5 | 7746.5 | -0.05 |
| 22 | 7205. | 0. | -7242. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7783.4 | 7783.4 | -0.05 |
| 23 | 7242. | 0. | -7279. | -2. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7820.3 | 7820.3 | -0.05 |
| 24 | 7279. | 0. | -7316. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7857.1 | 7857.0 | -0.05 |
| 25 | 7316. | 0. | -7353. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7893.7 | 7893.7 | -0.05 |
| 26 | 7353. | 0. | -7390. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7930.3 | 7930.3 | -0.05 |
| 27 | 7390. | 0. | -7427. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7966.9 | 7966.8 | -0.05 |
| 28 | 7427. | 0. | -7463. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8003.3 | 8003.3 | -0.05 |
| 29 | 7463. | 0. | -7500. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8039.7 | 8039.7 | -0.05 |
| 30 | 7500. | 0. | -7536. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8076.0 | 8076.0 | -0.04 |
| 31 | 7536. | 0. | -7573. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8112.3 | 8112.3 | -0.05 |
| 32 | 7573. | 0. | -7609. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8148.5 | 8148.5 | -0.04 |
| 33 | 7609. | 0. | -7645. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8184.7 | 8184.6 | -0.05 |
| 34 | 7645. | 0. | -7682. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8220.8 | 8220.7 | -0.05 |
| 35 | 7682. | 0. | -7718. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8256.8 | 8256.8 | -0.05 |
| 36 | 7718. | 0. | -7754. | -1. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8292.8 | 8292.8 | -0.04 |
| 37 | 7754. | 0. | -7790. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8328.7 | 8328.7 | -0.04 |
| 38 | 7790. | 0. | -7826. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8364.6 | 8364.6 | -0.04 |
| 39 | 7826. | 0. | -7862. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8400.4 | 8400.3 | -0.04 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 7862. | 0. | -7897. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8436.0 | 8436.0 | -0.04 |
| 41 | 7897. | 0. | -7933. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8471.8 | 8471.7 | -0.05 |
| 42 | 7933. | 0. | -7968. | 0. | 0. | -1. | 28. | -1. | 0. | 0. | 0. | 152. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8507.7 | 8507.7 | -0.04 |
| 43 | 7968. | 0. | -8002. | 1. | 0. | -3. | 28. | -1. | 0. | 0. | 0. | 152. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8543.8 | 8543.8 | -0.04 |
| 44 | 8002. | 0. | -8033. | 3. | 0. | -7. | 28. | -1. | 0. | 0. | 0. | 153. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8580.1 | 8580.1 | -0.04 |
| 45 | 8033. | 0. | -8060. | 7. | 0. | -16. | 28. | -1. | 0. | 0. | 0. | 154. | -144. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8617.0 | 8616.9 | -0.04 |
| 46 | 8060. | 0. | -8077. | 16. | 0. | -33. | 28. | -1. | 0. | 0. | 0. | 157. | -147. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8654.9 | 8654.8 | -0.05 |
| 47 | 8077. | 0. | -7972. | 33. | 0. | -30. | 42. | -110. | 0. | 0. | 0. | 110. | -105. | -20. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8527.4 | 8527.4 | -0.03 |
| 48 | 7972. | 0. | -7862. | 30. | 0. | -31. | 42. | -109. | 0. | 0. | 0. | 115. | -112. | -21. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8425.1 | 8425.1 | -0.03 |
| 49 | 7862. | 0. | -7751. | 31. | 0. | -32. | 42. | -109. | 0. | 0. | 0. | 121. | -118. | -21. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8321.4 | 8321.4 | -0.04 |
| 50 | 7751. | 0. | -7640. | 32. | 0. | -33. | 42. | -108. | 0. | 0. | 0. | 126. | -124. | -22. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8216.8 | 8216.8 | -0.03 |
| 51 | 7640. | 0. | -7528. | 33. | 0. | -33. | 42. | -107. | 0. | 0. | 0. | 132. | -130. | -23. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8111.6 | 8111.5 | -0.04 |
| 52 | 7528. | 0. | -7417. | 33. | 0. | -33. | 42. | -106. | 0. | 0. | 0. | 137. | -136. | -24. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8006.0 | 8005.9 | -0.03 |
| 53 | 7417. | 0. | -7305. | 33. | 0. | -34. | 42. | -105. | 0. | 0. | 0. | 143. | -142. | -24. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7900.3 | 7900.3 | -0.03 |
| 54 | 7305. | 0. | -7194. | 34. | 0. | -34. | 42. | -105. | 0. | 0. | 0. | 149. | -147. | -25. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7794.9 | 7794.9 | -0.03 |
| 55 | 7194. | 0. | -7084. | 34. | 0. | -34. | 42. | -104. | 0. | 0. | 0. | 155. | -153. | -26. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7689.9 | 7689.8 | -0.03 |
| 56 | 7084. | 0. | -6975. | 34. | 0. | -34. | 42. | -103. | 0. | 0. | 0. | 160. | -158. | -26. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7585.5 | 7585.4 | -0.03 |
| 57 | 6975. | 0. | -6867. | 34. | 0. | -33. | 42. | -102. | 0. | 0. | 0. | 166. | -163. | -27. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7481.8 | 7481.8 | -0.03 |
| 58 | 6867. | 0. | -6760. | 33. | 0. | -33. | 42. | -101. | 0. | 0. | 0. | 172. | -168. | -27. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7379.0 | 7379.0 | -0.03 |
| 59 | 6760. | 0. | -6654. | 33. | 0. | -33. | 42. | -100. | 0. | 0. | 0. | 177. | -173. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7277.3 | 7277.3 | -0.03 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 6654. | 0. | -6549. | 33. | 0. | -32. | 42. | -100. | 0. | 0. | 0. | 183. | -177. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7176.8 | 7176.8 | -0.03 |
| 61 | 6549. | 0. | -6446. | 32. | 0. | -32. | 42. | -99. | 0. | 0. | 0. | 188. | -182. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7077.5 | 7077.4 | -0.03 |
| 62 | 6446. | 0. | -6345. | 32. | 0. | -32. | 42. | -98. | 0. | 0. | 0. | 194. | -186. | -29. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6979.5 | 6979.4 | -0.03 |
| 63 | 6345. | 0. | -6245. | 32. | 0. | -31. | 42. | -97. | 0. | 0. | 0. | 199. | -191. | -29. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6882.9 | 6882.8 | -0.03 |
| 64 | 6245. | 0. | -6147. | 31. | 0. | -30. | 42. | -96. | 0. | 0. | 0. | 205. | -195. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6787.7 | 6787.7 | -0.03 |
| 65 | 6147. | 0. | -6050. | 30. | 0. | -30. | 42. | -96. | 0. | 0. | 0. | 210. | -199. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6694.0 | 6694.0 | -0.02 |
| 66 | 6050. | 0. | -5955. | 30. | 0. | -29. | 42. | -95. | 0. | 0. | 0. | 215. | -203. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6601.8 | 6601.8 | -0.02 |
| 67 | 5955. | 0. | -5862. | 29. | 0. | -29. | 42. | -94. | 0. | 0. | 0. | 220. | -206. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6511.1 | 6511.1 | -0.02 |
| 68 | 5862. | 0. | -5770. | 29. | 0. | -28. | 42. | -94. | 0. | 0. | 0. | 225. | -210. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6422.0 | 6422.0 | -0.02 |
| 69 | 5770. | 0. | -5680. | 28. | 0. | -27. | 42. | -93. | 0. | 0. | 0. | 229. | -214. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6334.5 | 6334.5 | -0.02 |
| 70 | 5680. | 0. | -5592. | 27. | 0. | -27. | 42. | -92. | 0. | 0. | 0. | 234. | -217. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6248.5 | 6248.5 | -0.02 |
| 71 | 5592. | 0. | -5505. | 27. | 0. | -26. | 42. | -92. | 0. | 0. | 0. | 239. | -220. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6164.1 | 6164.0 | -0.02 |
| 72 | 5505. | 0. | -5420. | 26. | 0. | -25. | 42. | -91. | 0. | 0. | 0. | 243. | -224. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6081.1 | 6081.1 | -0.02 |
| 73 | 5420. | 0. | -5337. | 25. | 0. | -24. | 42. | -90. | 0. | 0. | 0. | 247. | -227. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5999.8 | 5999.7 | -0.01 |
| 74 | 5337. | 0. | -5256. | 24. | 0. | -23. | 42. | -90. | 0. | 0. | 0. | 251. | -230. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5919.8 | 5919.8 | -0.01 |
| 75 | 5256. | 0. | -5178. | 23. | 0. | -20. | 42. | -89. | 0. | 0. | 0. | 255. | -232. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5841.2 | 5841.2 | -0.01 |
| 76 | 5178. | 0. | -5103. | 20. | 0. | -15. | 42. | -89. | 0. | 0. | 0. | 259. | -235. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5763.7 | 5763.7 | -0.01 |
| 77 | 5103. | 0. | -5037. | 15. | 0. | -2. | 42. | -88. | 0. | 0. | 0. | 261. | -236. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5686.7 | 5686.7 | -0.01 |
| 78 | 5037. | 0. | -5032. | 2. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5059.1 | 5059.1 | 0.00 |
| 79 | 5032. | 0. | -5025. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5051.7 | 5051.7 | 0.00 |
| 80 | 5025. | 0. | -5017. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5044.6 | 5044.6 | 0.00 |
| 81 | 5017. | 0. | -5011. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5037.8 | 5037.8 | 0.00 |
| 82 | 5011. | 0. | -5004. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5031.3 | 5031.3 | 0.00 |
| 83 | 5004. | 0. | -4998. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5025.2 | 5025.2 | 0.00 |
| 84 | 4998. | 0. | -4992. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5019.4 | 5019.4 | 0.00 |
| 85 | 4992. | 0. | -4987. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5013.9 | 5013.9 | 0.00 |
| 86 | 4987. | 0. | -4982. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5008.7 | 5008.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 4982. | 0. | -4977. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5003.8 | 5003.8 | 0.00 |
| 88 | 4977. | 0. | -4972. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -4999.3 | 4999.3 | 0.00 |
| 89 | 4972. | 0. | -4968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4995.0 | 4995.0 | 0.00 |
| 90 | 4968. | 0. | -4964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4991.1 | 4991.1 | 0.00 |
| 91 | 4964. | 0. | -4960. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4987.4 | 4987.4 | 0.00 |
| 92 | 4960. | 0. | -4957. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4984.1 | 4984.1 | 0.00 |
| 93 | 4957. | 0. | -4954. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4981.1 | 4981.1 | 0.00 |
| 94 | 4954. | 0. | -4951. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4978.3 | 4978.3 | 0.00 |
| 95 | 4951. | 0. | -4949. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4975.9 | 4975.9 | 0.00 |
| 96 | 4949. | 0. | -4947. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4973.8 | 4973.8 | 0.00 |
| 97 | 4947. | 0. | -4945. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4971.9 | 4971.9 | 0.00 |
| 98 | 4945. | 0. | -4943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4970.4 | 4970.4 | 0.00 |
| 99 | 4943. | 0. | -4942. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4969.1 | 4969.1 | 0.00 |
| 100 | 4942. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4968.2 | 4968.2 | 0.00 |
| 101 | 4941. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4967.5 | 4967.5 | 0.00 |
| 102 | 4941. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4967.1 | 4967.1 | 0.00 |
| 103 | 4940. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.0 | 4967.0 | 0.00 |
| 104 | 4940. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.2 | 4967.2 | 0.00 |
| 105 | 4940. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.7 | 4967.7 | 0.00 |
| 106 | 4941. | 0. | -4942. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4968.4 | 4968.4 | 0.00 |
| 107 | 4942. | 0. | -4943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4969.5 | 4969.5 | 0.00 |
| 108 | 4943. | 0. | -4944. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4970.8 | 4970.8 | 0.00 |
| 109 | 4944. | 0. | -4946. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4972.4 | 4972.4 | 0.00 |
| 110 | 4946. | 0. | -4947. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4974.3 | 4974.3 | 0.00 |
| 111 | 4947. | 0. | -4950. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4976.4 | 4976.4 | 0.00 |
| 112 | 4950. | 0. | -4952. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4978.8 | 4978.8 | 0.00 |
| 113 | 4952. | 0. | -4955. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4981.5 | 4981.5 | 0.00 |
| 114 | 4955. | 0. | -4958. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4984.5 | 4984.5 | 0.00 |
| 115 | 4958. | 0. | -4961. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4987.7 | 4987.7 | 0.00 |
| 116 | 4961. | 0. | -4964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4991.2 | 4991.2 | 0.00 |
| 117 | 4964. | 0. | -4969. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4979.0 | 4979.0 | 0.00 |
| 118 | 4969. | 0. | -4974. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4983.8 | 4983.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 4974. | 0. | -4979. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4988.6 | 4988.6 | 0.00 |
| 120 | 4979. | 0. | -4984. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4993.5 | 4993.5 | 0.00 |
| 121 | 4984. | 0. | -4989. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4998.3 | 4998.3 | 0.00 |
| 122 | 4989. | 0. | -4993. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5003.1 | 5003.1 | 0.00 |
| 123 | 4993. | 0. | -4998. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5007.9 | 5007.9 | 0.00 |
| 124 | 4998. | 0. | -5003. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5012.6 | 5012.6 | 0.00 |
| 125 | 5003. | 0. | -5008. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5017.4 | 5017.4 | 0.00 |
| 126 | 5008. | 0. | -5012. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5022.1 | 5022.1 | 0.00 |
| 127 | 5012. | 0. | -5017. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5026.9 | 5026.9 | 0.00 |
| 128 | 5017. | 0. | -5022. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5031.6 | 5031.6 | 0.00 |
| 129 | 5022. | 0. | -5027. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5036.3 | 5036.3 | 0.00 |
| 130 | 5027. | 0. | -5031. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5041.0 | 5041.0 | 0.00 |
| 131 | 5031. | 0. | -5036. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5045.7 | 5045.7 | 0.00 |
| 132 | 5036. | 0. | -5041. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5050.4 | 5050.4 | 0.00 |
| 133 | 5041. | 0. | -5045. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5055.1 | 5055.1 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | 5045. | 0. | -5050. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5059.7 | 5059.7 | 0.00 |
| 135 | 5050. | 0. | -5055. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5064.4 | 5064.4 | 0.00 |
| 136 | 5055. | 0. | -5059. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5069.0 | 5069.0 | 0.00 |
| 137 | 5059. | 0. | -5064. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5073.6 | 5073.6 | 0.00 |
| 138 | 5064. | 0. | -5069. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5078.3 | 5078.3 | 0.00 |
| 139 | 5069. | 0. | -5073. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5082.9 | 5082.9 | 0.00 |
| 140 | 5073. | 0. | -5078. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5087.5 | 5087.5 | 0.00 |
| 141 | 5078. | 0. | -5082. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5092.0 | 5092.0 | 0.00 |
| 142 | 5082. | 0. | -5087. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5097.0 | 5097.0 | 0.00 |
| 172 | 5087. | 289. | -5403. | 0. | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5447.7 | 5447.7 | 0.00 |
| 173 | 5403. | 0. | -5407. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5450.3 | 5450.3 | 0.00 |
| 174 | 5407. | 0. | -5410. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5453.5 | 5453.5 | 0.00 |
| 175 | 5410. | 0. | -5413. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5456.7 | 5456.7 | 0.00 |
| 176 | 5413. | 0. | -5417. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5460.0 | 5460.0 | 0.00 |
| 177 | 5417. | 0. | -5420. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5463.4 | 5463.4 | 0.00 |
| 178 | 5420. | 0. | -5424. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5466.8 | 5466.8 | 0.00 |
| 179 | 5424. | 0. | -5427. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5470.3 | 5470.3 | 0.00 |
| 180 | 5427. | 0. | -5431. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5473.8 | 5473.8 | 0.00 |
| 181 | 5431. | 0. | -5434. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5477.4 | 5477.4 | 0.00 |
| 182 | 5434. | 0. | -5438. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5481.1 | 5481.1 | 0.00 |
| 183 | 5438. | 0. | -5442. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5484.8 | 5484.8 | 0.00 |
| 184 | 5442. | 0. | -5446. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5488.6 | 5488.6 | 0.00 |
| 185 | 5446. | 0. | -5450. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5492.4 | 5492.4 | 0.00 |
| 186 | 5450. | 0. | -5454. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5496.3 | 5496.3 | 0.00 |
| 187 | 5454. | 0. | -5458. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5500.3 | 5500.3 | 0.00 |
| 188 | 5458. | 0. | -5462. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5504.3 | 5504.3 | 0.00 |
| 189 | 5462. | 0. | -5466. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5508.3 | 5508.3 | 0.00 |
| 190 | 5466. | 0. | -5470. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5512.4 | 5512.4 | 0.00 |
| 191 | 5470. | 0. | -5474. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5516.6 | 5516.6 | 0.00 |
| 192 | 5474. | 0. | -5479. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5520.8 | 5520.8 | 0.00 |
| 193 | 5479. | 0. | -5483. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5525.1 | 5525.1 | 0.00 |
| 194 | 5483. | 0. | -5487. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5529.4 | 5529.4 | 0.00 |
| 195 | 5487. | 0. | -5492. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5533.8 | 5533.8 | 0.00 |
| 196 | 5492. | 0. | -5496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5538.2 | 5538.2 | 0.00 |
| 197 | 5496. | 0. | -5501. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5542.6 | 5542.6 | 0.00 |
| 198 | 5501. | 0. | -5506. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5547.2 | 5547.2 | 0.00 |
| 199 | 5506. | 0. | -5510. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5551.7 | 5551.7 | 0.00 |
| 200 | 5510. | 0. | -5515. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5556.3 | 5556.3 | 0.00 |
| 201 | 5515. | 0. | -5520. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5561.0 | 5561.0 | 0.00 |
| 202 | 5520. | 0. | -5524. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5565.7 | 5565.7 | 0.00 |
| 203 | 5524. | 0. | -5529. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5570.4 | 5570.4 | 0.00 |
| 204 | 5529. | 0. | -5534. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5575.2 | 5575.2 | 0.00 |
| 205 | 5534. | 0. | -5539. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5580.1 | 5580.1 | 0.00 |
| 206 | 5539. | 0. | -5544. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5584.9 | 5584.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE IN | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM DECA | SOD BKGD | SOD BOD1 | SOD ALG | ALG NCM | ALG PHOT | MAC RESP | TOT PHOT | TOT OUT | TOT IN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 | 5544. | 0. | -5549. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5589.9 | 5589.9 | 0.00 |
| 208 | 5549. | 0. | -5554. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5594.8 | 5594.8 | 0.00 |
| 209 | 5554. | 0. | -5559. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5599.8 | 5599.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | 5559. | 0. | -5564. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5604.9 | 5604.9 | 0.00 |
| 211 | 5564. | 0. | -5569. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5610.0 | 5610.0 | 0.00 |
| 212 | 5569. | 0. | -5575. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5615.1 | 5615.1 | 0.00 |
| 213 | 5575. | 0. | -5580. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5620.3 | 5620.3 | 0.00 |
| 214 | 5580. | 0. | -5585. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5625.5 | 5625.5 | 0.00 |
| 215 | 5585. | 0. | -5590. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5630.7 | 5630.7 | 0.00 |
| 216 | 5590. | 0. | -5592. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5687.5 | 5687.5 | 0.00 |
| 217 | 5592. | 0. | -5593. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5688.7 | 5688.7 | 0.00 |
| 218 | 5593. | 0. | -5595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5690.3 | 5690.3 | 0.00 |
| 219 | 5595. | 0. | -5598. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -47. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5692.4 | 5692.4 | 0.00 |
| 220 | 5598. | 0. | -5601. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -47. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5694.8 | 5694.8 | 0.00 |
| 221 | 5601. | 0. | -5604. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5697.6 | 5697.6 | 0.00 |
| 222 | 5604. | 0. | -5607. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5700.8 | 5700.8 | 0.00 |
| 223 | 5607. | 0. | -5611. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5704.3 | 5704.3 | 0.00 |
| 224 | 5611. | 0. | -5620. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 22. | 0. | 0. | -5645.0 | 5645.0 | 0.00 |
| 225 | 5620. | 0. | -5630. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 24. | 0. | 0. | -5654.8 | 5654.8 | 0.00 |
| 226 | 5630. | 0. | -5641. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 26. | 0. | 0. | -5666.5 | 5666.5 | 0.00 |
| 227 | 5641. | 0. | -5655. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 28. | 0. | 0. | -5679.8 | 5679.8 | 0.00 |
| 228 | 5655. | 0. | -5670. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 29. | 0. | 0. | -5694.9 | 5694.9 | 0.00 |
| 229 | 5670. | 0. | -5686. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 31. | 0. | 0. | -5711.7 | 5711.7 | 0.00 |
| 230 | 5686. | 0. | -5705. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 33. | 0. | 0. | -5730.1 | 5730.1 | 0.00 |
| 231 | 5705. | 0. | -5725. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 35. | 0. | 0. | -5750.3 | 5750.3 | 0.00 |
| 232 | 5725. | 0. | -5747. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 36. | 0. | 0. | -5772.1 | 5772.1 | 0.00 |
| 244 | 5747. | 65. | -5837. | 0. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -8. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 20. | 0. | 0. | -5854.1 | 5854.1 | 0.00 |
| 245 | 5837. | 0. | -5844. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -5861.6 | 5861.6 | 0.00 |
| 246 | 5844. | 0. | -5847. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 13. | 0. | 0. | -5864.8 | 5864.8 | 0.00 |
| 247 | 5847. | 0. | -5846. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 8. | 0. | 0. | -5863.7 | 5863.7 | 0.00 |
| 248 | 5846. | 0. | -5840. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -9. | 0. | 0. | 0. | 4. | 0. | 0. | -5858.1 | 5858.1 | 0.00 |
| 249 | 5840. | 0. | -5832. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -5850.4 | 5850.4 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Lake Theriot

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WSLD OUT | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1077.5 | 1077.5 | -0.03 |
| 144 | 13. | 0. | -25. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1089.1 | 1089.1 | -0.03 |
| 145 | 25. | 0. | -36. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1100.6 | 1100.6 | -0.03 |
| 146 | 36. | 0. | -48. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1112.1 | 1112.1 | -0.03 |
| 147 | 48. | 0. | -59. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1123.7 | 1123.6 | -0.03 |
| 148 | 59. | 0. | -71. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1135.2 | 1135.1 | -0.03 |
| 149 | 71. | 0. | -82. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1146.7 | 1146.6 | -0.03 |
| 150 | 82. | 0. | -94. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1158.2 | 1158.1 | -0.03 |
| 151 | 94. | 0. | -105. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1169.7 | 1169.6 | -0.03 |
| 152 | 105. | 0. | -117. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1181.2 | 1181.1 | -0.03 |
| 153 | 117. | 0. | -128. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1192.7 | 1192.7 | -0.03 |
| 154 | 128. | 0. | -140. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1204.2 | 1204.2 | -0.03 |
| 155 | 140. | 0. | -151. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1215.7 | 1215.7 | -0.03 |
| 156 | 151. | 0. | -163. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1227.2 | 1227.2 | -0.03 |
| 157 | 163. | 0. | -174. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1238.7 | 1238.7 | -0.03 |
| 158 | 174. | 0. | -186. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1250.2 | 1250.2 | -0.03 |
| 159 | 186. | 0. | -197. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1261.7 | 1261.7 | -0.03 |
| 160 | 197. | 0. | -209. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1273.2 | 1273.2 | -0.03 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 209. | 0. | -220. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1284.7 | 1284.7 | -0.03 |
| 162 | 220. | 0. | -232. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1296.2 | 1296.2 | -0.03 |
| 163 | 232. | 0. | -243. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1307.7 | 1307.7 | -0.03 |
| 164 | 243. | 0. | -255. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1319.2 | 1319.2 | -0.03 |
| 165 | 255. | 0. | -266. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1330.7 | 1330.7 | -0.03 |
| 166 | 266. | 0. | -278. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -72. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1342.6 | 1342.6 | -0.03 |
| 167 | 278. | 0. | -286. | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 1. | -3. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -298.4 | 298.4 | 0.00 |
| 168 | 286. | 0. | -294. | -1. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 1. | -3. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -306.2 | 306.2 | 0.00 |
| 169 | 294. | 0. | -300. | -1. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -313.0 | 313.0 | 0.00 |
| 170 | 300. | 0. | -304. | 0. | 0. | -3. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -319.3 | 319.3 | 0.00 |
| 171 | 304. | 0. | -289. | 3. | 0. | -24. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -326.4 | 326.4 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 3: Lake Hache

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 0. | 0. | -8. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -31. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -573.8 | 573.8 | -0.01 |
| 234 | 8. | 0. | -15. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -581.2 | 581.2 | -0.01 |
| 235 | 15. | 0. | -22. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -588.7 | 588.6 | -0.01 |
| 236 | 22. | 0. | -30. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -596.1 | 596.1 | -0.01 |
| 237 | 30. | 0. | -37. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -603.5 | 603.5 | -0.01 |
| 238 | 37. | 0. | -45. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -610.9 | 610.9 | -0.01 |
| 239 | 45. | 0. | -52. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -618.3 | 618.3 | -0.01 |
| 240 | 52. | 0. | -60. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -625.7 | 625.7 | -0.01 |
| 241 | 60. | 0. | -67. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -633.1 | 633.1 | -0.01 |
| 242 | 67. | 0. | -74. | 0. | 0. | -7. | 4. | 0. | 0. | 0. | 0. | -137. | -26. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -640.5 | 640.5 | -0.02 |
| 243 | 74. | 0. | -65. | 7. | 0. | -13. | 6. | 0. | 0. | 0. | 0. | 3. | -51. | -2. | 0. | 0. | -20. | 0. | 0. | 0. | 61. | 0. | 0. | -150.8 | 150.8 | 0.00 |

Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

Baseline Simulation for Lake de Cade Theriot and Hache model

INPUT/OUTPUT LOADING SUMMARY

| | FLOW $m^3/s$ | DO kg/d | BOD#1 kg/d | BOD#2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | PHOS kg/d | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 11.463 | 6437.5 | 2695.4 | 0.0 | 792.4 | 99.0 | 39.6 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL INFLOW | 6.673 | 2882.7 | 21794.2 | 0.0 | 1185.9 | 576.5 | 23.1 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL OUTFLOW | -6.200 | -3107.3 | -2788.5 | 0.0 | -597.3 | -47.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WASTELOADS | 0.000 | 0.0 | 1.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WITHDRAWLS | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FLOW THRU LOWER BNDRY | -11.935 | -5832.3 | -5342.7 | 0.0 | -1251.8 | -93.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU LOWER BNDRY | | 2.4 | -2.6 | 0.0 | -6.5 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU HDWTR BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NON-POINT INPUT | | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 |
| NATURAL REAERATION | | 18376.7 | | | | | | | | |
| DAM REAERATION | | 0.0 | | | | | | | | |
| BACKGROUND SOD | | -55273.7 | | | | | | | | |
| BOD#1 DECAY | | -16356.8 | -16356.8 | | | | | | | |
| BOD#1 SETTLING | | 0.0 | 0.0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0.0 | | | | | | | |
| BOD#2 DECAY | | 0.0 | | 0.0 | | | | | | |
| BOD#2 SETTLING | | 0.0 | | 0.0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0.0 | | | | | | |
| ORG-N DECAY | | 0.0 | | | -122.7 | 122.7 | | | | |
| ORG-N SETTLING | | | | | 0.0 | 0.0 | | | | |
| NH3 DECAY | | -2853.5 | | | | -659.0 | 659.0 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0.0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0.0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0.0 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ALGAE PHOTOSYNTHESIS | | 55720.3 | | | | 0.0 | -2786.0 | 0.0 | 0.0 | |
| ALGAE RESPIRATION | | 0.0 | | | | 0.0 | | 0.0 | 0.0 | |
| ALGAE SETTLING | | 0.0 | | | | | | | 0.0 | |
| MACRO PHOTOSYNTHESIS | | 0.0 | | | | 0.0 | 0.0 | 0.0 | | |
| NCM DECAY | | 0.0 | | | | | | | | 0.0 |
| NCM SETTLING | | 0.0 | | | | | | | | 0.0 |
| TOTAL INPUTS | 18.135 | 83419.6 | 24490.6 | 0.0 | 1978.3 | 798.4 | 721.9 | 0.0 | 0.0 | 0.0 |
| TOTAL OUTPUTS | -18.135 | -83423.6 | -24490.5 | 0.0 | -1978.3 | -799.3 | -2786.0 | 0.0 | 0.0 | 0.0 |
| NET CONVERGENCE ERROR | 0.000 | -4.0 | 0.0 | 0.0 | 0.0 | -0.9 | -2064.1 | 0.0 | 0.0 | 0.0 |

.....EXECUTION COMPLETED

# APPENDIX G:
# MODEL OUTPUT FOR TMDL

TMDL output file for subsegments 120401/120404 ..... 1
TMDL output file for subsegments120405/120406 ..... 145

## TMDL output file for subsegments 120401/120404

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\Lake_Bayou_Penchant\tmdl\Penchant_TMDL_0208.txt
Output produced at 16:09 on 02/25/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
TITLE02        TMDL Simulation for Lake Penchant and Bayou Penchant mode
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.60000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE     RATE CODE     THETA VALUE
ENDATA04
$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA05
$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA06
$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
```

```
ENDATA07
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN     END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km     km     km            NUM   NUM
REACH ID    1   1  Bayou Chene to Blackbird Bayou     35.10  TO  31.80  0.1000    3.30     33      1    33
REACH ID    2   2  Blackbird Bayou to 120401-G       31.80  TO  19.10  0.1000   12.70    127     34   160
REACH ID    3   3  120401-G to Turtle Bayou          19.10  TO  13.90  0.1000    5.20     52    161   212
REACH ID    4   4  Turtle Bayou to Carenero Bayou     13.90  TO   9.90  0.1000    4.00     40    213   252
REACH ID    5   5  Carenero Bayou to un canal 2       9.90  TO   3.60  0.1000    6.30     63    253   315
REACH ID    6   6  un canal 2 to Corasaw conf.        3.60  TO   0.60  0.1000    3.00     30    316   345
REACH ID    7   7  935 to Peoples Canal and L.P       18.00  TO  15.80  0.1000    2.20     22    346   367
REACH ID    8   8  Peoples C. and L.P to N. Outlet    15.80  TO  14.90  0.1000    0.90      9    368   376
REACH ID    9   9  N. Outlet to L. Penchant W. Sid    14.90  TO  13.60  0.1000    1.30     13    377   389
REACH ID   10  10  L. P. W. Side to L. P W. Outlet    13.60  TO  12.70  0.1000    0.90      9    390   398
REACH ID   11  11  L. P W. Outlet to Superior Cana     12.70  TO  10.80  0.1000    1.90     19    399   417
REACH ID   12  12  Superior Canal to un canal 1        10.80  TO   9.50  0.1000    1.30     13    418   430
REACH ID   13  13  unnamed canal to Brady C/Weir 2      9.50  TO   9.30  0.1000    0.20      2    431   432
REACH ID   14  14  Brady C/Weir 2 to Km#               9.30  TO   8.10  0.1000    1.20     12    433   444
REACH ID   15  15  Km# to Pipeline Canal               8.10  TO   0.80  0.1000    7.30     73    445   517
REACH ID   16  16  Pipeline Canal to Corasaw conf.      0.80  TO   0.00  0.1000    0.80      8    518   525
REACH ID   17  17  Corasaw conf. to 120401-C           0.60  TO   0.00  0.1000    0.60      6    526   531
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID     WIDTH     WIDTH     WIDTH     DEPTH     DEPTH     DEPTH     SLOPE   MANNINGS
                  "A"      "B"       "C"       "D"       "E"       "F"       "N"
HYDR-1      1   1     0.000     0.000   135.000     0.000     0.000     1.000   0.00010   1.460
HYDR-1      2   2     0.000     0.000   110.000     0.000     0.000     1.000   0.00010   1.460
HYDR-1      3   3     0.000     0.000    90.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      4   4     0.000     0.000   155.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      5   5     0.000     0.000    90.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      6   6     0.000     0.000   110.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      7   7     0.000     0.000    35.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      8   8     0.000     0.000  2131.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1      9   9     0.000     0.000   983.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     10  10     0.000     0.000   148.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     11  11     0.000     0.000    61.000     0.000     0.000     1.768   0.00010   1.460
HYDR-1     12  12     0.000     0.000    72.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     13  13     0.000     0.000    72.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     14  14     0.000     0.000    70.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     15  15     0.000     0.000    65.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     16  16     0.000     0.000    65.000     0.000     0.000     1.402   0.00010   1.460
HYDR-1     17  17     0.000     0.000    88.000     0.000     0.000     1.402   0.00010   1.460
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                     RANGE      "A"          "B"          "C"          "D"
HYDR        1   1    0.00      0.600        0.000        0.000        0.000
HYDR        2   2    0.00      0.500        0.000        0.000        0.000
HYDR        3   3    0.00      0.400        0.000        0.000        0.000
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HYDR      4  4    0.00     0.300     0.000     0.000     0.000
HYDR      5  5    0.00     0.300     0.000     0.000     0.000
HYDR      6  6    0.00     0.400     0.000     0.000     0.000
HYDR      7  7    0.00     0.000     0.000     0.000     0.000
HYDR      8  8    0.00     0.000     0.000     0.000     0.000
HYDR      9  9    0.00     0.000     0.000     0.000     0.000
HYDR     10  10    0.00     0.000     0.000     0.000     0.000
HYDR     11  11    0.00     0.300     0.000     0.000     0.000
HYDR     12  12    0.00     0.200     0.000     0.000     0.000
HYDR     13  13    0.00     0.100     0.000     0.000     0.000
HYDR     14  14    0.00     0.100     0.000     0.000     0.000
HYDR     15  15    0.00     0.100     0.000     0.000     0.000
HYDR     16  16    0.00     0.100     0.000     0.000     0.000
HYDR     17  17    0.00     0.500     0.000     0.000     0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID      TEMP    SALIN      DO      NH3     NO3+2     PHOS     CHL A     MACRO
INITIAL         1  1     31.20    0.00    5.00    0.10    0.33    0.00    70.00    0.00
INITIAL         2  2     31.80    0.00    5.00    0.10    0.33    0.00    75.00    0.00
INITIAL         3  3     31.80    0.00    5.00    0.10    0.33    0.00    80.00    0.00
INITIAL         4  4     31.80    0.00    5.00    0.10    0.33    0.00    60.00    0.00
INITIAL         5  5     31.80    0.00    5.00    0.10    0.33    0.00    40.00    0.00
INITIAL         6  6     31.80    0.00    5.00    0.10    0.33    0.00    24.00    0.00
INITIAL         7  7     31.50    0.00    5.00    0.12    0.05    0.00    10.00    0.00
INITIAL         8  8     31.00    0.00    5.00    0.12    0.05    0.00    10.00    0.00
INITIAL         9  9     31.00    0.00    5.00    0.12    0.05    0.00    10.00    0.00
INITIAL        10  10     31.50    0.00    5.00    0.12    0.05    0.00    25.00    0.00
INITIAL        11  11     31.50    0.00    5.00    0.12    0.05    0.00    38.00    0.00
INITIAL        12  12     31.50    0.00    5.00    0.10    0.05    0.00    38.00    0.00
INITIAL        13  13     31.50    0.00    5.00    0.10    0.05    0.00    38.00    0.00
INITIAL        14  14     31.50    0.00    5.00    0.10    0.05    0.00    38.00    0.00
INITIAL        15  15     32.30    0.00    5.00    0.10    0.05    0.00    38.00    0.00
INITIAL        16  16     32.30    0.00    5.00    0.10    0.05    0.00    30.00    0.00
INITIAL        17  17     32.30    0.00    5.00    0.10    0.05    0.00    24.00    0.00
ENDATA11
$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                  BOD    ANAER                    BOD2    ANAER
CARD     RCH  RCH  K2                K2      K2      K2   BKGRND     BOD      BOD     CONV     BOD2     BOD2     BOD2     CONV     BOD2
TYPE     NUM  ID  OPT               "A"     "B"     "C"     SOD    DECAY     SETT   TO SOD    DECAY    DECAY     SETT   TO SOD    DECAY
                                          g/m²/d  per day     m/d            per day  per day      m/d            per day
COEFF-1    1   1   3 OCONNER-DOBB   0.000   0.000   0.000   2.500   0.120   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    2   2   3 OCONNER-DOBB   0.000   0.000   0.000   2.700   0.120   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    3   3   3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    4   4   3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    5   5   3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    6   6   3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    7   7   3 OCONNER-DOBB   0.000   0.000   0.000   1.400   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    8   8  20 K2=a/D         0.930   0.000   0.000   0.600   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1    9   9  20 K2=a/D         0.930   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   10  10   3 OCONNER-DOBB   0.000   0.000   0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
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COEFF-1  11  11  3 OCONNER-DOBB   0.000   0.000   0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  12  12  3 OCONNER-DOBB   0.000   0.000   0.000   2.800   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  13  13  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  14  14  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  15  15  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  16  16  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
COEFF-1  17  17  3 OCONNER-DOBB   0.000   0.000   0.000   1.500   0.050   0.000   0.000   0.000   0.000   0.000   0.000   0.000
ENDATA12
$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
CARD TYPE     REACH  ID      ORG-N    ORG-N   ORGN CONV     NH3      NH3     PHOS    DENIT
                          DECA     SETT  TO NH3 SRCE    DECA     SRCE     SRCE     RATE
COEFF-2        1   1     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        2   2     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        3   3     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        4   4     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        5   5     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        6   6     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2        7   7     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2        8   8     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2        9   9     0.020    0.000    0.000    0.100    0.000    0.000    0.000
COEFF-2       10  10     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       11  11     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       12  12     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       13  13     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       14  14     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       15  15     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       16  16     0.020    0.000    0.000    0.150    0.000    0.000    0.000
COEFF-2       17  17     0.020    0.000    0.000    0.150    0.000    0.000    0.000
ENDATA13
$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$
CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
                          DEPTH    CHL A     SETT    TO SOD     GROW     RESP     GROW     RESP  SHADING
ENDATA14
$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$
CARD TYPE     REACH  ID   COLIFORM      NCM      NCM   NCM CONV
                          DIE-OFF    DECAY     SETT    TO SOD
ENDATA15
$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE     REACH  ID     OUTFLOW     INFLOW     TEMP     SALIN     CM-I    CM-II  IN/DIST  OUT/DIST
INCR-1         1   1    -0.70000    0.50000    30.00     0.00     0.00     0.00  0.15152  -0.21212
INCR-1         2   2    -5.20000    5.00000    30.00     0.00     0.00     0.00  0.39370  -0.40945
INCR-1         3   3    -0.70000    0.50000    30.00     0.00     0.00     0.00  0.09615  -0.13462
INCR-1         4   4    -0.70000    0.50000    30.00     0.00     0.00     0.00  0.12500  -0.17500
INCR-1         5   5    -0.70000    0.50000    30.00     0.00     0.00     0.00  0.07937  -0.11111
INCR-1         6   6    -0.70000    0.50000    30.00     0.00     0.00     0.00  0.16667  -0.23333
INCR-1         7   7     0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1         8   8     0.00000    1.53760    30.00     0.00     0.00     0.00  1.70844   0.00000
INCR-1         9   9    -1.60000    3.58780    30.00     0.00     0.00     0.00  2.75985  -1.23077
INCR-1        10  10    -0.50000    0.50000    30.00     0.00     0.00     0.00  0.55556  -0.55556
INCR-1        11  11    -0.50000    0.50000    30.00     0.00     0.00     0.00  0.26316  -0.26316
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INCR-1      12  12   -0.50000   0.50000   30.00   0.00   0.00   0.00  0.38462  -0.38462
INCR-1      13  13    0.00000   0.00000   30.00   0.00   0.00   0.00  0.00000   0.00000
INCR-1      14  14    0.00000   0.02550   30.00   0.00   0.00   0.00  0.02125   0.00000
INCR-1      15  15    0.00000   0.20390   30.00   0.00   0.00   0.00  0.02793   0.00000
INCR-1      16  16    0.00000   0.02550   30.00   0.00   0.00   0.00  0.03187   0.00000
INCR-1      17  17    0.00000   0.00000   30.00   0.00   0.00   0.00  0.00000   0.00000
ENDATA16
$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    REACH  ID     DO     BOD    ORG-N   NH3-N   NO3-N   BOD#2
INCR-2       1   1    5.00   50.00   1.30   0.10   0.04   0.00
INCR-2       2   2    5.00   50.00   3.10   0.10   0.04   0.00
INCR-2       3   3    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2       4   4    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2       5   5    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2       6   6    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2       7   7    0.00    0.00   0.00   0.00   0.00   0.00
INCR-2       8   8    5.00    9.30   1.30   0.10   0.04   0.00
INCR-2       9   9    5.00    9.30   2.80   0.10   0.04   0.00
INCR-2      10  10    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2      11  11    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2      12  12    5.00   10.00   1.30   0.10   0.04   0.00
INCR-2      13  13    0.00    0.00   0.00   0.00   0.00   0.00
INCR-2      14  14    5.00   10.00   0.85   0.10   0.04   0.00
INCR-2      15  15    5.00   10.00   0.85   0.10   0.04   0.00
INCR-2      16  16    5.00   10.00   0.85   0.10   0.04   0.00
INCR-2      17  17    0.00    0.00   0.00   0.00   0.00   0.00
ENDATA17
$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
 CARD TYPE    REACH  ID     PHOS    CHL A    COLI    NCM
ENDATA18
$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$
CARD TYPE    REACH  ID    BOD#1   ORG-N    COLI    NCM     DO    BOD#2
NONPOINT      1   1    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      2   2    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      3   3    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      4   4    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      5   5    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      6   6    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      7   7    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      8   8    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      9   9    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     10  10    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     11  11    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     12  12    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     13  13    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     14  14    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     15  15    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     16  16    0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT     17  17    0.00    0.00    0.00    0.00    0.00    0.00
ENDATA19
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$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                UNIT    FLOW    FLOW    TEMP   SALIN     CM-I    CM-II
                                          m³/s    cfs   deg C     ppt
HDWTR-1        1    Bayou Chene           0  17.38664  613.935   30.00    0.00    0.000    0.000   0.00
HDWTR-1      346    Station 935           0   0.03776    1.333   31.10    0.00    0.000    0.000   0.00
ENDATA20
$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    ELEMENT   NAME                     DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                             mg/L     mg/L     mg/L     mg/L     mg/L     mg/L
HDWTR-2        1    Bayou Chene              6.20    16.08     1.60     0.10     0.56     0.00
HDWTR-2      346    Station 935              5.00     3.42     0.90     0.10     0.04     0.00
ENDATA21
$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A     COLI      NCM
                                             mg/L     mg/L     mg/L     mg/L
ENDATA22
$$$ DATA TYPE 23 (JUNCTION DATA) $$$
CARD TYPE   JUNCTION   UPSTRM    RIVER    NAME
        ELEMENT  ELEMENT    KILOM
JUNCTION       526    345      0.60   Penchant-Copasaw 1
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                 FLOW      FLOW     FLOW    TEMP    SALIN     CM-I    CM-II
                                          m³/s      cfs     MGD   deg C     ppt
WSTLD-1     161     19.10  TRIB 1 OUTFLOW      -3.75680 -132.65536  -85.750  230.00     0.00    0.000    0.000
WSTLD-1     213     13.90  TRIB 2 INFLOW        1.69902   59.99364   38.781   30.00     0.00    0.000    0.000
WSTLD-1     253      9.90  TRIB 3 OUTFLOW      -9.21150 -325.26483 -210.255  230.00     0.00    0.000    0.000
WSTLD-1     380     14.60  TRIB 4 OUTFLOW       0.00000    0.00000    0.000   30.00     0.00    0.000    0.000
WSTLD-1     431      9.50  TRIB 5 INFLOW        3.28477  115.98764   74.976   30.00     0.00    0.000    0.000
WSTLD-1     433      9.30  TRIB 6 OUTFLOW      -1.74630  -61.66314  -39.860  130.00     0.00    0.000    0.000
ENDATA24
$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                % BOD                  %
CARD TYPE    ELEMENT   NAME                     DO      BOD     RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                             mg/L     mg/L             mg/L     mg/L             mg/L     mg/L
WSTLD-2       161    TRIB 1 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       213    TRIB 2 INFLOW           5.00     3.40     0.00     2.00     0.05     0.00     0.00     0.00
WSTLD-2       253    TRIB 3 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       380    TRIB 4 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
WSTLD-2       431    TRIB 5 INFLOW           5.00    10.00     0.00     4.00     0.05     0.00     0.00     0.00
WSTLD-2       433    TRIB 6 OUTFLOW          5.00     3.40     0.00     1.00     0.05     0.00     0.00     0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                    PHOS    CHL A     COLI      NCM
                                             mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                 CONCENTRATION
LOWER BC     TEMPERATURE                      32.200    deg C
LOWER BC     SALINITY                          0.000    ppt
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LOWER BC    CONSERVATIVE MATERIAL I              0.000
LOWER BC    CONSERVATIVE MATERIAL II             0.000
LOWER BC    DISSOLVED OXYGEN                   6.100    mg/L
LOWER BC    BIOCHEMICAL OXYGEN DEMAND            2.200    mg/L
LOWER BC    ORGANIC NITROGEN                   0.000    mg/L
LOWER BC    AMMONIA NITROGEN                   0.100    mg/L
LOWER BC    NITRATE + NITRITE                  0.050    mg/L
LOWER BC    PHOSPHORUS                         0.000    mg/L
LOWER BC    CHLOROPHYLL A                     24.000    µg/L
LOWER BC    COLIFORM                        0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL             0.000
ENDATA27
$$$ DATA TYPE 28 (DAM DATA) $$$
CARD TYPE    ELEMENT   NAME              EQN     "A"     "B"     "H"
ENDATA28
$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$
CARD TYPE      PARAMETER     COL 1    COL 2    COL 3    COL 4    COL 5    COL 6    COL 7    COL 8
ENDATA29
$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$
NUMBER OF PLOTS =  2
NUMBER OF REACHES IN PLOT 1 =   7
PLOT RCH  1  2  3  4  5  6 17
NUMBER OF REACHES IN PLOT 1 =  10
PLOT RCH  7  8  9 10 11 12 13 14 15 16
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 BayouPenchant.OVL            :Bayou Penchant 120401
OVERLAY 2 LakePenchant.OVL             :Lake Penchant 120404
ENDATA31
    .....NO ERRORS DETECTED IN INPUT DATA
    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 ITERATIONS
    .....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
    .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
    .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
INTERMEDIATE REPORT
 Dissolved Oxygen                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
    mg/L                                 TMDL Simulation for Lake Penchant and Bayou Penchant mode
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
  1   1   1      6.19    6.19    6.18    6.18    6.17    6.17    6.16    6.16    6.16    6.15
  1   1  11      6.15    6.14    6.14    6.14    6.13    6.13    6.12    6.12    6.12    6.11
  1   1  21      6.11    6.11    6.11    6.10    6.10    6.10    6.10    6.09    6.09    6.09
  1   1  31      6.09    6.08    6.08
  2   2  34      6.08    6.07    6.07    6.06    6.06    6.05    6.05    6.04    6.04    6.04
  2   2  44      6.03    6.03    6.02    6.02    6.01    6.01    6.00    6.00    6.00    5.99
  2   2  54      5.99    5.98    5.98    5.97    5.97    5.97    5.96    5.96    5.95    5.95
  2   2  64      5.95    5.94    5.94    5.93    5.93    5.93    5.92    5.92    5.91    5.91
  2   2  74      5.91    5.90    5.90    5.89    5.89    5.89    5.88    5.88    5.87    5.87
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 84 | 5.87 | 5.86 | 5.86 | 5.86 | 5.85 | 5.85 | 5.85 | 5.84 | 5.84 | 5.83 |
| 2 | 2 | 94 | 5.83 | 5.83 | 5.82 | 5.82 | 5.82 | 5.81 | 5.81 | 5.81 | 5.80 | 5.80 |
| 2 | 2 | 104 | 5.80 | 5.79 | 5.79 | 5.79 | 5.78 | 5.78 | 5.78 | 5.77 | 5.77 | 5.77 |
| 2 | 2 | 114 | 5.76 | 5.76 | 5.76 | 5.75 | 5.75 | 5.75 | 5.74 | 5.74 | 5.74 | 5.74 |
| 2 | 2 | 124 | 5.73 | 5.73 | 5.73 | 5.72 | 5.72 | 5.72 | 5.71 | 5.71 | 5.71 | 5.71 |
| 2 | 2 | 134 | 5.70 | 5.70 | 5.70 | 5.69 | 5.69 | 5.69 | 5.69 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 144 | 5.67 | 5.67 | 5.67 | 5.67 | 5.66 | 5.66 | 5.66 | 5.66 | 5.65 | 5.65 |
| 2 | 2 | 154 | 5.65 | 5.65 | 5.64 | 5.64 | 5.64 | 5.64 | 5.63 | | | |
| 3 | 3 | 161 | 5.68 | 5.73 | 5.79 | 5.84 | 5.89 | 5.94 | 5.99 | 6.04 | 6.09 | 6.14 |
| 3 | 3 | 171 | 6.19 | 6.23 | 6.28 | 6.32 | 6.37 | 6.41 | 6.45 | 6.49 | 6.53 | 6.57 |
| 3 | 3 | 181 | 6.61 | 6.65 | 6.69 | 6.72 | 6.76 | 6.80 | 6.83 | 6.86 | 6.90 | 6.93 |
| 3 | 3 | 191 | 6.96 | 6.99 | 7.02 | 7.05 | 7.08 | 7.11 | 7.14 | 7.16 | 7.19 | 7.21 |
| 3 | 3 | 201 | 7.24 | 7.26 | 7.29 | 7.31 | 7.33 | 7.35 | 7.37 | 7.39 | 7.41 | 7.43 |
| 3 | 3 | 211 | 7.45 | 7.46 | | | | | | | | |
| 4 | 4 | 213 | 7.22 | 7.25 | 7.29 | 7.32 | 7.35 | 7.37 | 7.40 | 7.43 | 7.45 | 7.48 |
| 4 | 4 | 223 | 7.50 | 7.52 | 7.54 | 7.56 | 7.58 | 7.59 | 7.61 | 7.63 | 7.64 | 7.65 |
| 4 | 4 | 233 | 7.67 | 7.68 | 7.69 | 7.70 | 7.70 | 7.71 | 7.72 | 7.72 | 7.73 | 7.73 |
| 4 | 4 | 243 | 7.73 | 7.73 | 7.74 | 7.74 | 7.73 | 7.73 | 7.73 | 7.73 | 7.72 | 7.72 |
| 5 | 5 | 253 | 7.71 | 7.71 | 7.70 | 7.69 | 7.67 | 7.66 | 7.65 | 7.64 | 7.63 | 7.62 |
| 5 | 5 | 263 | 7.60 | 7.59 | 7.58 | 7.56 | 7.55 | 7.53 | 7.52 | 7.50 | 7.49 | 7.47 |
| 5 | 5 | 273 | 7.46 | 7.44 | 7.42 | 7.40 | 7.39 | 7.37 | 7.35 | 7.33 | 7.31 | 7.30 |
| 5 | 5 | 283 | 7.28 | 7.26 | 7.24 | 7.22 | 7.20 | 7.18 | 7.16 | 7.14 | 7.11 | 7.09 |
| 5 | 5 | 293 | 7.07 | 7.05 | 7.03 | 7.01 | 6.98 | 6.96 | 6.94 | 6.92 | 6.89 | 6.87 |
| 5 | 5 | 303 | 6.85 | 6.82 | 6.80 | 6.77 | 6.75 | 6.72 | 6.70 | 6.67 | 6.65 | 6.62 |
| 5 | 5 | 313 | 6.60 | 6.57 | 6.55 | | | | | | | |
| 6 | 6 | 316 | 6.51 | 6.48 | 6.45 | 6.42 | 6.39 | 6.36 | 6.34 | 6.31 | 6.28 | 6.26 |
| 6 | 6 | 326 | 6.23 | 6.21 | 6.19 | 6.16 | 6.14 | 6.12 | 6.10 | 6.08 | 6.06 | 6.04 |
| 6 | 6 | 336 | 6.02 | 6.01 | 5.99 | 5.97 | 5.96 | 5.94 | 5.93 | 5.91 | 5.90 | 5.92 |
| 17 | 17 | 526 | 6.15 | 6.15 | 6.14 | 6.14 | 6.14 | 6.13 | | | | |
| 7 | 7 | 346 | 5.03 | 5.08 | 5.14 | 5.20 | 5.26 | 5.32 | 5.37 | 5.42 | 5.46 | 5.50 |
| 7 | 7 | 356 | 5.53 | 5.56 | 5.59 | 5.61 | 5.64 | 5.66 | 5.68 | 5.69 | 5.71 | 5.73 |
| 7 | 7 | 366 | 5.74 | 5.75 | | | | | | | | |
| 8 | 8 | 368 | 7.04 | 7.03 | 7.03 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | |
| 9 | 9 | 377 | 6.26 | 5.93 | 5.79 | 5.76 | 5.77 | 5.82 | 5.88 | 5.96 | 6.04 | 6.13 |
| 9 | 9 | 387 | 6.22 | 6.31 | 6.41 | | | | | | | |
| 10 | 10 | 390 | 6.29 | 6.18 | 6.09 | 6.01 | 5.95 | 5.90 | 5.86 | 5.84 | 5.83 | |
| 11 | 11 | 399 | 5.82 | 5.81 | 5.81 | 5.80 | 5.80 | 5.79 | 5.78 | 5.78 | 5.77 | 5.77 |
| 11 | 11 | 409 | 5.76 | 5.76 | 5.75 | 5.75 | 5.74 | 5.74 | 5.74 | 5.73 | 5.73 | |
| 12 | 12 | 418 | 5.70 | 5.67 | 5.65 | 5.62 | 5.60 | 5.58 | 5.55 | 5.53 | 5.51 | 5.49 |
| 12 | 12 | 428 | 5.47 | 5.45 | 5.42 | | | | | | | |
| 13 | 13 | 431 | 5.26 | 5.29 | | | | | | | | |
| 14 | 14 | 433 | 5.31 | 5.34 | 5.38 | 5.41 | 5.44 | 5.47 | 5.50 | 5.53 | 5.56 | 5.59 |
| 14 | 14 | 443 | 5.62 | 5.65 | | | | | | | | |
| 15 | 15 | 445 | 5.67 | 5.70 | 5.72 | 5.75 | 5.77 | 5.79 | 5.82 | 5.84 | 5.86 | 5.88 |
| 15 | 15 | 455 | 5.90 | 5.92 | 5.94 | 5.96 | 5.98 | 5.99 | 6.01 | 6.03 | 6.05 | 6.06 |
| 15 | 15 | 465 | 6.08 | 6.09 | 6.11 | 6.12 | 6.14 | 6.15 | 6.16 | 6.18 | 6.19 | 6.20 |
| 15 | 15 | 475 | 6.21 | 6.22 | 6.23 | 6.24 | 6.26 | 6.27 | 6.27 | 6.28 | 6.29 | 6.30 |
| 15 | 15 | 485 | 6.31 | 6.32 | 6.33 | 6.33 | 6.34 | 6.35 | 6.35 | 6.36 | 6.37 | 6.37 |
| 15 | 15 | 495 | 6.38 | 6.38 | 6.39 | 6.39 | 6.40 | 6.40 | 6.41 | 6.41 | 6.41 | 6.42 |
| 15 | 15 | 505 | 6.42 | 6.42 | 6.42 | 6.43 | 6.43 | 6.43 | 6.43 | 6.43 | 6.44 | 6.44 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 15 | 515 | 6.44 | 6.44 | 6.44 | | | | | | | |
| 16 | 16 | 518 | 6.44 | 6.44 | 6.43 | 6.43 | 6.42 | 6.42 | 6.41 | 6.39 | | |

INTERMEDIATE REPORT

Effective BOD LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 |
| 1 | 1 | 11 | 16.08 | 16.08 | 16.08 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 |
| 1 | 1 | 21 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.08 |
| 1 | 1 | 31 | 16.08 | 16.08 | 16.09 | | | | | | | |
| 2 | 2 | 34 | 16.14 | 16.19 | 16.24 | 16.30 | 16.35 | 16.40 | 16.45 | 16.50 | 16.55 | 16.61 |
| 2 | 2 | 44 | 16.66 | 16.71 | 16.76 | 16.81 | 16.86 | 16.91 | 16.96 | 17.01 | 17.06 | 17.11 |
| 2 | 2 | 54 | 17.16 | 17.21 | 17.25 | 17.30 | 17.35 | 17.40 | 17.45 | 17.49 | 17.54 | 17.59 |
| 2 | 2 | 64 | 17.64 | 17.68 | 17.73 | 17.78 | 17.82 | 17.87 | 17.92 | 17.96 | 18.01 | 18.06 |
| 2 | 2 | 74 | 18.10 | 18.15 | 18.19 | 18.24 | 18.28 | 18.33 | 18.37 | 18.42 | 18.46 | 18.50 |
| 2 | 2 | 84 | 18.55 | 18.59 | 18.63 | 18.68 | 18.72 | 18.76 | 18.81 | 18.85 | 18.89 | 18.93 |
| 2 | 2 | 94 | 18.98 | 19.02 | 19.06 | 19.10 | 19.14 | 19.19 | 19.23 | 19.27 | 19.31 | 19.35 |
| 2 | 2 | 104 | 19.39 | 19.43 | 19.47 | 19.51 | 19.55 | 19.59 | 19.63 | 19.67 | 19.71 | 19.75 |
| 2 | 2 | 114 | 19.79 | 19.83 | 19.87 | 19.91 | 19.95 | 19.98 | 20.02 | 20.06 | 20.10 | 20.14 |
| 2 | 2 | 124 | 20.17 | 20.21 | 20.25 | 20.29 | 20.32 | 20.36 | 20.40 | 20.44 | 20.47 | 20.51 |
| 2 | 2 | 134 | 20.55 | 20.58 | 20.62 | 20.65 | 20.69 | 20.73 | 20.76 | 20.80 | 20.83 | 20.87 |
| 2 | 2 | 144 | 20.90 | 20.94 | 20.97 | 21.01 | 21.04 | 21.08 | 21.11 | 21.14 | 21.18 | 21.21 |
| 2 | 2 | 154 | 21.25 | 21.28 | 21.31 | 21.35 | 21.38 | 21.41 | 21.44 | | | |
| 3 | 3 | 161 | 21.42 | 21.38 | 21.35 | 21.31 | 21.28 | 21.25 | 21.21 | 21.18 | 21.15 | 21.11 |
| 3 | 3 | 171 | 21.08 | 21.05 | 21.01 | 20.98 | 20.95 | 20.91 | 20.88 | 20.85 | 20.82 | 20.78 |
| 3 | 3 | 181 | 20.75 | 20.72 | 20.68 | 20.65 | 20.62 | 20.59 | 20.55 | 20.52 | 20.49 | 20.46 |
| 3 | 3 | 191 | 20.42 | 20.39 | 20.36 | 20.33 | 20.30 | 20.26 | 20.23 | 20.20 | 20.17 | 20.14 |
| 3 | 3 | 201 | 20.10 | 20.07 | 20.04 | 20.01 | 19.98 | 19.95 | 19.91 | 19.88 | 19.85 | 19.82 |
| 3 | 3 | 211 | 19.78 | 19.66 | | | | | | | | |
| 4 | 4 | 213 | 17.83 | 17.79 | 17.75 | 17.71 | 17.67 | 17.63 | 17.59 | 17.56 | 17.52 | 17.48 |
| 4 | 4 | 223 | 17.44 | 17.40 | 17.36 | 17.32 | 17.29 | 17.25 | 17.21 | 17.17 | 17.13 | 17.09 |
| 4 | 4 | 233 | 17.06 | 17.02 | 16.98 | 16.94 | 16.91 | 16.87 | 16.83 | 16.79 | 16.76 | 16.72 |
| 4 | 4 | 243 | 16.68 | 16.65 | 16.61 | 16.57 | 16.54 | 16.50 | 16.46 | 16.43 | 16.39 | 16.36 |
| 5 | 5 | 253 | 16.33 | 16.28 | 16.22 | 16.16 | 16.10 | 16.05 | 15.99 | 15.93 | 15.88 | 15.82 |
| 5 | 5 | 263 | 15.77 | 15.71 | 15.65 | 15.60 | 15.54 | 15.49 | 15.44 | 15.38 | 15.33 | 15.27 |
| 5 | 5 | 273 | 15.22 | 15.17 | 15.11 | 15.06 | 15.01 | 14.95 | 14.90 | 14.85 | 14.80 | 14.74 |
| 5 | 5 | 283 | 14.69 | 14.64 | 14.59 | 14.54 | 14.49 | 14.44 | 14.39 | 14.34 | 14.29 | 14.24 |
| 5 | 5 | 293 | 14.19 | 14.14 | 14.09 | 14.04 | 13.99 | 13.94 | 13.89 | 13.85 | 13.80 | 13.75 |
| 5 | 5 | 303 | 13.70 | 13.65 | 13.61 | 13.56 | 13.51 | 13.47 | 13.42 | 13.37 | 13.33 | 13.28 |
| 5 | 5 | 313 | 13.23 | 13.19 | 13.14 | | | | | | | |
| 6 | 6 | 316 | 13.08 | 13.02 | 12.96 | 12.90 | 12.84 | 12.79 | 12.73 | 12.67 | 12.61 | 12.56 |
| 6 | 6 | 326 | 12.50 | 12.44 | 12.39 | 12.33 | 12.28 | 12.22 | 12.17 | 12.11 | 12.06 | 12.01 |
| 6 | 6 | 336 | 11.95 | 11.90 | 11.85 | 11.79 | 11.74 | 11.69 | 11.63 | 11.58 | 11.49 | 11.20 |
| 17 | 17 | 526 | 9.10 | 9.09 | 9.08 | 9.07 | 9.02 | 8.31 | | | | |
| 7 | 7 | 346 | 2.95 | 2.54 | 2.19 | 1.89 | 1.63 | 1.40 | 1.21 | 1.04 | 0.90 | 0.78 |
| 7 | 7 | 356 | 0.67 | 0.58 | 0.50 | 0.43 | 0.37 | 0.32 | 0.28 | 0.24 | 0.21 | 0.18 |
| 7 | 7 | 366 | 0.15 | 0.13 | | | | | | | | |
| 8 | 8 | 368 | 2.80 | 2.93 | 2.96 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | |
| 9 | 9 | 377 | 3.60 | 4.05 | 4.38 | 4.63 | 4.82 | 4.98 | 5.10 | 5.19 | 5.27 | 5.34 |
| 9 | 9 | 387 | 5.39 | 5.43 | 5.47 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 10 | 390 | 5.50 | 5.53 | 5.56 | 5.59 | 5.61 | 5.64 | 5.67 | 5.69 | 5.72 | |
| 11 | 11 | 399 | 5.74 | 5.75 | 5.76 | 5.78 | 5.79 | 5.81 | 5.82 | 5.83 | 5.85 | 5.86 |
| 11 | 11 | 409 | 5.87 | 5.89 | 5.90 | 5.91 | 5.92 | 5.94 | 5.95 | 5.96 | 5.97 | |
| 12 | 12 | 418 | 6.00 | 6.03 | 6.05 | 6.08 | 6.10 | 6.13 | 6.15 | 6.17 | 6.20 | 6.22 |
| 12 | 12 | 428 | 6.25 | 6.27 | 6.36 | | | | | | | |
| 13 | 13 | 431 | 8.06 | 8.05 | | | | | | | | |
| 14 | 14 | 433 | 8.03 | 8.02 | 8.01 | 7.99 | 7.98 | 7.96 | 7.95 | 7.93 | 7.92 | 7.90 |
| 14 | 14 | 443 | 7.89 | 7.88 | | | | | | | | |
| 15 | 15 | 445 | 7.86 | 7.85 | 7.84 | 7.82 | 7.81 | 7.80 | 7.78 | 7.77 | 7.76 | 7.75 |
| 15 | 15 | 455 | 7.73 | 7.72 | 7.71 | 7.70 | 7.68 | 7.67 | 7.66 | 7.65 | 7.63 | 7.62 |
| 15 | 15 | 465 | 7.61 | 7.60 | 7.58 | 7.57 | 7.56 | 7.55 | 7.54 | 7.52 | 7.51 | 7.50 |
| 15 | 15 | 475 | 7.49 | 7.48 | 7.46 | 7.45 | 7.44 | 7.43 | 7.42 | 7.40 | 7.39 | 7.38 |
| 15 | 15 | 485 | 7.37 | 7.36 | 7.35 | 7.33 | 7.32 | 7.31 | 7.30 | 7.29 | 7.28 | 7.27 |
| 15 | 15 | 495 | 7.25 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.18 | 7.17 | 7.15 |
| 15 | 15 | 505 | 7.14 | 7.13 | 7.12 | 7.11 | 7.10 | 7.09 | 7.08 | 7.07 | 7.06 | 7.05 |
| 15 | 15 | 515 | 7.03 | 7.02 | 7.01 | | | | | | | |
| 16 | 16 | 518 | 7.00 | 6.99 | 6.98 | 6.97 | 6.96 | 6.95 | 6.94 | 6.98 | | |

INTERMEDIATE REPORT

Biochemical Oxygen Demand LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 | 16.08 |
| 1 | 1 | 11 | 16.08 | 16.08 | 16.08 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 |
| 1 | 1 | 21 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.09 | 16.08 |
| 1 | 1 | 31 | 16.08 | 16.08 | 16.09 | | | | | | | |
| 2 | 2 | 34 | 16.14 | 16.19 | 16.24 | 16.30 | 16.35 | 16.40 | 16.45 | 16.50 | 16.55 | 16.61 |
| 2 | 2 | 44 | 16.66 | 16.71 | 16.76 | 16.81 | 16.86 | 16.91 | 16.96 | 17.01 | 17.06 | 17.11 |
| 2 | 2 | 54 | 17.16 | 17.21 | 17.25 | 17.30 | 17.35 | 17.40 | 17.45 | 17.49 | 17.54 | 17.59 |
| 2 | 2 | 64 | 17.64 | 17.68 | 17.73 | 17.78 | 17.82 | 17.87 | 17.92 | 17.96 | 18.01 | 18.06 |
| 2 | 2 | 74 | 18.10 | 18.15 | 18.19 | 18.24 | 18.28 | 18.33 | 18.37 | 18.42 | 18.46 | 18.50 |
| 2 | 2 | 84 | 18.55 | 18.59 | 18.63 | 18.68 | 18.72 | 18.76 | 18.81 | 18.85 | 18.89 | 18.93 |
| 2 | 2 | 94 | 18.98 | 19.02 | 19.06 | 19.10 | 19.14 | 19.19 | 19.23 | 19.27 | 19.31 | 19.35 |
| 2 | 2 | 104 | 19.39 | 19.43 | 19.47 | 19.51 | 19.55 | 19.59 | 19.63 | 19.67 | 19.71 | 19.75 |
| 2 | 2 | 114 | 19.79 | 19.83 | 19.87 | 19.91 | 19.95 | 19.98 | 20.02 | 20.06 | 20.10 | 20.14 |
| 2 | 2 | 124 | 20.17 | 20.21 | 20.25 | 20.29 | 20.32 | 20.36 | 20.40 | 20.44 | 20.47 | 20.51 |
| 2 | 2 | 134 | 20.55 | 20.58 | 20.62 | 20.65 | 20.69 | 20.73 | 20.76 | 20.80 | 20.83 | 20.87 |
| 2 | 2 | 144 | 20.90 | 20.94 | 20.97 | 21.01 | 21.04 | 21.08 | 21.11 | 21.14 | 21.18 | 21.21 |
| 2 | 2 | 154 | 21.25 | 21.28 | 21.31 | 21.35 | 21.38 | 21.41 | 21.44 | | | |
| 3 | 3 | 161 | 21.42 | 21.38 | 21.35 | 21.31 | 21.28 | 21.25 | 21.21 | 21.18 | 21.15 | 21.11 |
| 3 | 3 | 171 | 21.08 | 21.05 | 21.01 | 20.98 | 20.95 | 20.91 | 20.88 | 20.85 | 20.82 | 20.78 |
| 3 | 3 | 181 | 20.75 | 20.72 | 20.68 | 20.65 | 20.62 | 20.59 | 20.55 | 20.52 | 20.49 | 20.46 |
| 3 | 3 | 191 | 20.42 | 20.39 | 20.36 | 20.33 | 20.30 | 20.26 | 20.23 | 20.20 | 20.17 | 20.14 |
| 3 | 3 | 201 | 20.10 | 20.07 | 20.04 | 20.01 | 19.98 | 19.95 | 19.91 | 19.88 | 19.85 | 19.82 |
| 3 | 3 | 211 | 19.78 | 19.66 | | | | | | | | |
| 4 | 4 | 213 | 17.83 | 17.79 | 17.75 | 17.71 | 17.67 | 17.63 | 17.59 | 17.56 | 17.52 | 17.48 |
| 4 | 4 | 223 | 17.44 | 17.40 | 17.36 | 17.32 | 17.29 | 17.25 | 17.21 | 17.17 | 17.13 | 17.09 |
| 4 | 4 | 233 | 17.06 | 17.02 | 16.98 | 16.94 | 16.91 | 16.87 | 16.83 | 16.79 | 16.76 | 16.72 |
| 4 | 4 | 243 | 16.68 | 16.65 | 16.61 | 16.57 | 16.54 | 16.50 | 16.46 | 16.43 | 16.39 | 16.36 |
| 5 | 5 | 253 | 16.33 | 16.28 | 16.22 | 16.16 | 16.10 | 16.05 | 15.99 | 15.93 | 15.88 | 15.82 |
| 5 | 5 | 263 | 15.77 | 15.71 | 15.65 | 15.60 | 15.54 | 15.49 | 15.44 | 15.38 | 15.33 | 15.27 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 273 | 15.22 | 15.17 | 15.11 | 15.06 | 15.01 | 14.95 | 14.90 | 14.85 | 14.80 | 14.74 |
| 5 | 5 | 283 | 14.69 | 14.64 | 14.59 | 14.54 | 14.49 | 14.44 | 14.39 | 14.34 | 14.29 | 14.24 |
| 5 | 5 | 293 | 14.19 | 14.14 | 14.09 | 14.04 | 13.99 | 13.94 | 13.89 | 13.85 | 13.80 | 13.75 |
| 5 | 5 | 303 | 13.70 | 13.65 | 13.61 | 13.56 | 13.51 | 13.47 | 13.42 | 13.37 | 13.33 | 13.28 |
| 5 | 5 | 313 | 13.23 | 13.19 | 13.14 | | | | | | | |
| 6 | 6 | 316 | 13.08 | 13.02 | 12.96 | 12.90 | 12.84 | 12.79 | 12.73 | 12.67 | 12.61 | 12.56 |
| 6 | 6 | 326 | 12.50 | 12.44 | 12.39 | 12.33 | 12.28 | 12.22 | 12.17 | 12.11 | 12.06 | 12.01 |
| 6 | 6 | 336 | 11.95 | 11.90 | 11.85 | 11.79 | 11.74 | 11.69 | 11.63 | 11.58 | 11.49 | 11.20 |
| 17 | 17 | 526 | 9.10 | 9.09 | 9.08 | 9.07 | 9.02 | 8.31 | | | | |
| 7 | 7 | 346 | 2.95 | 2.54 | 2.19 | 1.89 | 1.63 | 1.40 | 1.21 | 1.04 | 0.90 | 0.78 |
| 7 | 7 | 356 | 0.67 | 0.58 | 0.50 | 0.43 | 0.37 | 0.32 | 0.28 | 0.24 | 0.21 | 0.18 |
| 7 | 7 | 366 | 0.15 | 0.13 | | | | | | | | |
| 8 | 8 | 368 | 2.80 | 2.93 | 2.96 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | |
| 9 | 9 | 377 | 3.60 | 4.05 | 4.38 | 4.63 | 4.82 | 4.98 | 5.10 | 5.19 | 5.27 | 5.34 |
| 9 | 9 | 387 | 5.39 | 5.43 | 5.47 | | | | | | | |
| 10 | 10 | 390 | 5.50 | 5.53 | 5.56 | 5.59 | 5.61 | 5.64 | 5.67 | 5.69 | 5.72 | |
| 11 | 11 | 399 | 5.74 | 5.75 | 5.76 | 5.78 | 5.79 | 5.81 | 5.82 | 5.83 | 5.85 | 5.86 |
| 11 | 11 | 409 | 5.87 | 5.89 | 5.90 | 5.91 | 5.92 | 5.94 | 5.95 | 5.96 | 5.97 | |
| 12 | 12 | 418 | 6.00 | 6.03 | 6.05 | 6.08 | 6.10 | 6.13 | 6.15 | 6.17 | 6.20 | 6.22 |
| 12 | 12 | 428 | 6.25 | 6.27 | 6.36 | | | | | | | |
| 13 | 13 | 431 | 8.06 | 8.05 | | | | | | | | |
| 14 | 14 | 433 | 8.03 | 8.02 | 8.01 | 7.99 | 7.98 | 7.96 | 7.95 | 7.93 | 7.92 | 7.90 |
| 14 | 14 | 443 | 7.89 | 7.88 | | | | | | | | |
| 15 | 15 | 445 | 7.86 | 7.85 | 7.84 | 7.82 | 7.81 | 7.80 | 7.78 | 7.77 | 7.76 | 7.75 |
| 15 | 15 | 455 | 7.73 | 7.72 | 7.71 | 7.70 | 7.68 | 7.67 | 7.66 | 7.65 | 7.63 | 7.62 |
| 15 | 15 | 465 | 7.61 | 7.60 | 7.58 | 7.57 | 7.56 | 7.55 | 7.54 | 7.52 | 7.51 | 7.50 |
| 15 | 15 | 475 | 7.49 | 7.48 | 7.46 | 7.45 | 7.44 | 7.43 | 7.42 | 7.40 | 7.39 | 7.38 |
| 15 | 15 | 485 | 7.37 | 7.36 | 7.35 | 7.33 | 7.32 | 7.31 | 7.30 | 7.29 | 7.28 | 7.27 |
| 15 | 15 | 495 | 7.25 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.18 | 7.17 | 7.15 |
| 15 | 15 | 505 | 7.14 | 7.13 | 7.12 | 7.11 | 7.10 | 7.09 | 7.08 | 7.07 | 7.06 | 7.05 |
| 15 | 15 | 515 | 7.03 | 7.02 | 7.01 | | | | | | | |
| 16 | 16 | 518 | 7.00 | 6.99 | 6.98 | 6.97 | 6.96 | 6.95 | 6.94 | 6.98 | | |

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L — TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.59 | 1.59 |
| 1 | 1 | 11 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |
| 1 | 1 | 21 | 1.59 | 1.59 | 1.59 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| 1 | 1 | 31 | 1.58 | 1.58 | 1.58 | | | | | | | |
| 2 | 2 | 34 | 1.58 | 1.59 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 |
| 2 | 2 | 44 | 1.61 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 |
| 2 | 2 | 54 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 |
| 2 | 2 | 64 | 1.67 | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 |
| 2 | 2 | 74 | 1.70 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 |
| 2 | 2 | 84 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.76 |
| 2 | 2 | 94 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 |
| 2 | 2 | 104 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.81 | 1.81 | 1.81 |
| 2 | 2 | 114 | 1.81 | 1.82 | 1.82 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 |
| 2 | 2 | 124 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.86 | 1.86 | 1.86 | 1.86 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 134 | 1.87 | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 |
| 2 | 2 | 144 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 |
| 2 | 2 | 154 | 1.91 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | | | |
| 3 | 3 | 161 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 |
| 3 | 3 | 171 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| 3 | 3 | 181 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 |
| 3 | 3 | 191 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 |
| 3 | 3 | 201 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 |
| 3 | 3 | 211 | 1.87 | 1.87 | | | | | | | | |
| 4 | 4 | 213 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.87 |
| 4 | 4 | 223 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| 4 | 4 | 233 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 |
| 4 | 4 | 243 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| 5 | 5 | 253 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.80 |
| 5 | 5 | 263 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 |
| 5 | 5 | 273 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 |
| 5 | 5 | 283 | 1.76 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| 5 | 5 | 293 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 |
| 5 | 5 | 303 | 1.71 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 |
| 5 | 5 | 313 | 1.69 | 1.69 | 1.69 | | | | | | | |
| 6 | 6 | 316 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 |
| 6 | 6 | 326 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.62 |
| 6 | 6 | 336 | 1.62 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.60 | 1.60 | 1.61 | 1.66 |
| 17 | 17 | 526 | 2.12 | 2.12 | 2.12 | 2.12 | 2.10 | 1.89 | | | | |
| 7 | 7 | 346 | 0.86 | 0.82 | 0.78 | 0.75 | 0.71 | 0.68 | 0.65 | 0.62 | 0.59 | 0.57 |
| 7 | 7 | 356 | 0.54 | 0.52 | 0.49 | 0.47 | 0.45 | 0.43 | 0.41 | 0.39 | 0.37 | 0.36 |
| 7 | 7 | 366 | 0.34 | 0.32 | | | | | | | | |
| 8 | 8 | 368 | 0.74 | 0.77 | 0.78 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | |
| 9 | 9 | 377 | 1.06 | 1.27 | 1.43 | 1.56 | 1.67 | 1.75 | 1.82 | 1.88 | 1.93 | 1.98 |
| 9 | 9 | 387 | 2.01 | 2.05 | 2.07 | | | | | | | |
| 10 | 10 | 390 | 2.06 | 2.04 | 2.03 | 2.01 | 2.00 | 1.98 | 1.97 | 1.95 | 1.94 | |
| 11 | 11 | 399 | 1.93 | 1.93 | 1.92 | 1.91 | 1.91 | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 |
| 11 | 11 | 409 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | 1.83 | 1.83 | |
| 12 | 12 | 418 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 | 1.78 | 1.77 | 1.76 | 1.76 |
| 12 | 12 | 428 | 1.75 | 1.75 | 1.78 | | | | | | | |
| 13 | 13 | 431 | 2.82 | 2.82 | | | | | | | | |
| 14 | 14 | 433 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 |
| 14 | 14 | 443 | 2.80 | 2.79 | | | | | | | | |
| 15 | 15 | 445 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 |
| 15 | 15 | 455 | 2.77 | 2.76 | 2.76 | 2.76 | 2.76 | 2.75 | 2.75 | 2.75 | 2.75 | 2.74 |
| 15 | 15 | 465 | 2.74 | 2.74 | 2.74 | 2.73 | 2.73 | 2.73 | 2.73 | 2.72 | 2.72 | 2.72 |
| 15 | 15 | 475 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 15 | 15 | 485 | 2.69 | 2.69 | 2.69 | 2.69 | 2.68 | 2.68 | 2.68 | 2.68 | 2.67 | 2.67 |
| 15 | 15 | 495 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| 15 | 15 | 505 | 2.65 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.63 | 2.63 |
| 15 | 15 | 515 | 2.62 | 2.62 | 2.62 | | | | | | | |
| 16 | 16 | 518 | 2.62 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.60 | 2.59 | | |

INTERMEDIATE REPORT

Ammonia Nitrogen LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 21 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 1 | 1 | 31 | 0.10 | 0.10 | 0.10 | | | | | | | |
| 2 | 2 | 34 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 44 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 54 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 64 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 74 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 84 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 94 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 104 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 114 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 124 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 134 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 144 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 2 | 2 | 154 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | | | |
| 3 | 3 | 161 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 171 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 181 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 191 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 201 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 211 | 0.11 | 0.11 | | | | | | | | |
| 4 | 4 | 213 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 223 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 233 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 243 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 253 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 263 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 273 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 283 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 293 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 303 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 5 | 5 | 313 | 0.11 | 0.11 | 0.11 | | | | | | | |
| 6 | 6 | 316 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 6 | 6 | 326 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 6 | 6 | 336 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 17 | 17 | 526 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | | | | |
| 7 | 7 | 346 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 |
| 7 | 7 | 356 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 |
| 7 | 7 | 366 | 0.04 | 0.04 | | | | | | | | |
| 8 | 8 | 368 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | |
| 9 | 9 | 377 | 0.09 | 0.10 | 0.11 | 0.12 | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.15 |
| 9 | 9 | 387 | 0.16 | 0.16 | 0.16 | | | | | | | |
| 10 | 10 | 390 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | |
| 11 | 11 | 399 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 11 | 11 | 409 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | |
| 12 | 12 | 418 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 | 12 | 428 | 0.14 | 0.14 | 0.13 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 13 | 431 | 0.09 | 0.10 | | | | | | | | |
| 14 | 14 | 433 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 14 | 14 | 443 | 0.10 | 0.10 | | | | | | | | |
| 15 | 15 | 445 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 15 | 15 | 455 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 |
| 15 | 15 | 465 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 15 | 15 | 475 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 |
| 15 | 15 | 485 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 15 | 15 | 495 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 15 | 15 | 505 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 |
| 15 | 15 | 515 | 0.14 | 0.14 | 0.14 | | | | | | | |
| 16 | 16 | 518 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | | |

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.56 | 0.55 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 |
| 1 | 1 | 11 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 | 0.51 | 0.50 |
| 1 | 1 | 21 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.47 |
| 1 | 1 | 31 | 0.47 | 0.47 | 0.47 | | | | | | | |
| 2 | 2 | 34 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.43 |
| 2 | 2 | 44 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 |
| 2 | 2 | 54 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 |
| 2 | 2 | 64 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 |
| 2 | 2 | 74 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| 2 | 2 | 84 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.29 |
| 2 | 2 | 94 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 |
| 2 | 2 | 104 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.24 |
| 2 | 2 | 114 | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 124 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 |
| 2 | 2 | 134 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 |
| 2 | 2 | 144 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 |
| 2 | 2 | 154 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | | | |
| 3 | 3 | 161 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 |
| 3 | 3 | 171 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 |
| 3 | 3 | 181 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

Total Nitrogen LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

mg/L TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.26 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 | 2.23 |
| 1 | 1 | 11 | 2.22 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.20 | 2.20 | 2.20 | 2.19 |
| 1 | 1 | 21 | 2.19 | 2.18 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 |
| 1 | 1 | 31 | 2.15 | 2.15 | 2.15 | | | | | | | |
| 2 | 2 | 34 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 44 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 54 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 64 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 74 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 84 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 94 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 104 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 114 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 124 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 134 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 144 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| 2 | 2 | 154 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | | | |
| 3 | 3 | 161 | 2.15 | 2.14 | 2.14 | 2.13 | 2.12 | 2.12 | 2.11 | 2.11 | 2.10 | 2.10 |
| 3 | 3 | 171 | 2.09 | 2.09 | 2.08 | 2.08 | 2.07 | 2.07 | 2.06 | 2.06 | 2.05 | 2.05 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3 | 181 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.00 |
| 3 | 3 | 191 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 |
| 3 | 3 | 201 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 |
| 3 | 3 | 211 | 1.98 | 1.98 | | | | | | | | |
| 4 | 4 | 213 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| 4 | 4 | 223 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| 4 | 4 | 233 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| 4 | 4 | 243 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| 5 | 5 | 253 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.91 |
| 5 | 5 | 263 | 1.91 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 |
| 5 | 5 | 273 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 |
| 5 | 5 | 283 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 | 1.85 |
| 5 | 5 | 293 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |
| 5 | 5 | 303 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 |
| 5 | 5 | 313 | 1.80 | 1.80 | 1.80 | | | | | | | |
| 6 | 6 | 316 | 1.80 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 |
| 6 | 6 | 326 | 1.76 | 1.76 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 |
| 6 | 6 | 336 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 | 1.72 | 1.77 |
| 17 | 17 | 526 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.01 | | | | |
| 7 | 7 | 346 | 0.96 | 0.92 | 0.88 | 0.84 | 0.80 | 0.76 | 0.73 | 0.70 | 0.66 | 0.63 |
| 7 | 7 | 356 | 0.61 | 0.58 | 0.55 | 0.53 | 0.50 | 0.48 | 0.46 | 0.44 | 0.42 | 0.40 |
| 7 | 7 | 366 | 0.38 | 0.37 | | | | | | | | |
| 8 | 8 | 368 | 0.82 | 0.86 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | |
| 9 | 9 | 377 | 1.16 | 1.37 | 1.54 | 1.68 | 1.80 | 1.89 | 1.96 | 2.03 | 2.08 | 2.13 |
| 9 | 9 | 387 | 2.17 | 2.21 | 2.24 | | | | | | | |
| 10 | 10 | 390 | 2.22 | 2.20 | 2.19 | 2.17 | 2.15 | 2.14 | 2.12 | 2.10 | 2.09 | |
| 11 | 11 | 399 | 2.08 | 2.08 | 2.07 | 2.06 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.02 |
| 11 | 11 | 409 | 2.02 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.98 | 1.97 | 1.97 | |
| 12 | 12 | 418 | 1.96 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 | 1.89 |
| 12 | 12 | 428 | 1.89 | 1.88 | 1.92 | | | | | | | |
| 13 | 13 | 431 | 2.92 | 2.92 | | | | | | | | |
| 14 | 14 | 433 | 2.92 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.90 | 2.90 | 2.90 |
| 14 | 14 | 443 | 2.90 | 2.90 | | | | | | | | |
| 15 | 15 | 445 | 2.90 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.88 | 2.88 | 2.88 | 2.88 |
| 15 | 15 | 455 | 2.88 | 2.88 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.86 | 2.86 | 2.86 |
| 15 | 15 | 465 | 2.86 | 2.86 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.84 | 2.84 | 2.84 |
| 15 | 15 | 475 | 2.84 | 2.84 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.82 | 2.82 | 2.82 |
| 15 | 15 | 485 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 |
| 15 | 15 | 495 | 2.80 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 |
| 15 | 15 | 505 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.76 | 2.76 |
| 15 | 15 | 515 | 2.76 | 2.76 | 2.76 | | | | | | | |
| 16 | 16 | 518 | 2.75 | 2.75 | 2.75 | 2.75 | 2.74 | 2.74 | 2.74 | 2.73 | | |

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

µg/L — TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 70.15 | 70.30 | 70.45 | 70.61 | 70.76 | 70.91 | 71.06 | 71.21 | 71.36 | 71.52 |
| 1 | 1 | 11 | 71.67 | 71.82 | 71.97 | 72.12 | 72.27 | 72.42 | 72.58 | 72.73 | 72.88 | 73.03 |
| 1 | 1 | 21 | 73.18 | 73.33 | 73.48 | 73.64 | 73.79 | 73.94 | 74.09 | 74.24 | 74.39 | 74.55 |
| 1 | 1 | 31 | 74.70 | 74.85 | 75.00 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 34 | 75.04 | 75.08 | 75.12 | 75.16 | 75.20 | 75.24 | 75.28 | 75.31 | 75.35 | 75.39 |
| 2 | 2 | 44 | 75.43 | 75.47 | 75.51 | 75.55 | 75.59 | 75.63 | 75.67 | 75.71 | 75.75 | 75.79 |
| 2 | 2 | 54 | 75.83 | 75.87 | 75.91 | 75.94 | 75.98 | 76.02 | 76.06 | 76.10 | 76.14 | 76.18 |
| 2 | 2 | 64 | 76.22 | 76.26 | 76.30 | 76.34 | 76.38 | 76.42 | 76.46 | 76.50 | 76.54 | 76.57 |
| 2 | 2 | 74 | 76.61 | 76.65 | 76.69 | 76.73 | 76.77 | 76.81 | 76.85 | 76.89 | 76.93 | 76.97 |
| 2 | 2 | 84 | 77.01 | 77.05 | 77.09 | 77.13 | 77.17 | 77.20 | 77.24 | 77.28 | 77.32 | 77.36 |
| 2 | 2 | 94 | 77.40 | 77.44 | 77.48 | 77.52 | 77.56 | 77.60 | 77.64 | 77.68 | 77.72 | 77.76 |
| 2 | 2 | 104 | 77.80 | 77.83 | 77.87 | 77.91 | 77.95 | 77.99 | 78.03 | 78.07 | 78.11 | 78.15 |
| 2 | 2 | 114 | 78.19 | 78.23 | 78.27 | 78.31 | 78.35 | 78.39 | 78.43 | 78.46 | 78.50 | 78.54 |
| 2 | 2 | 124 | 78.58 | 78.62 | 78.66 | 78.70 | 78.74 | 78.78 | 78.82 | 78.86 | 78.90 | 78.94 |
| 2 | 2 | 134 | 78.98 | 79.02 | 79.06 | 79.09 | 79.13 | 79.17 | 79.21 | 79.25 | 79.29 | 79.33 |
| 2 | 2 | 144 | 79.37 | 79.41 | 79.45 | 79.49 | 79.53 | 79.57 | 79.61 | 79.65 | 79.69 | 79.72 |
| 2 | 2 | 154 | 79.76 | 79.80 | 79.84 | 79.88 | 79.92 | 79.96 | 80.00 | | | |
| 3 | 3 | 161 | 79.62 | 79.23 | 78.85 | 78.46 | 78.08 | 77.69 | 77.31 | 76.92 | 76.54 | 76.15 |
| 3 | 3 | 171 | 75.77 | 75.38 | 75.00 | 74.62 | 74.23 | 73.85 | 73.46 | 73.08 | 72.69 | 72.31 |
| 3 | 3 | 181 | 71.92 | 71.54 | 71.15 | 70.77 | 70.38 | 70.00 | 69.62 | 69.23 | 68.85 | 68.46 |
| 3 | 3 | 191 | 68.08 | 67.69 | 67.31 | 66.92 | 66.54 | 66.15 | 65.77 | 65.38 | 65.00 | 64.62 |
| 3 | 3 | 201 | 64.23 | 63.85 | 63.46 | 63.08 | 62.69 | 62.31 | 61.92 | 61.54 | 61.15 | 60.77 |
| 3 | 3 | 211 | 60.38 | 60.00 | | | | | | | | |
| 4 | 4 | 213 | 59.50 | 59.00 | 58.50 | 58.00 | 57.50 | 57.00 | 56.50 | 56.00 | 55.50 | 55.00 |
| 4 | 4 | 223 | 54.50 | 54.00 | 53.50 | 53.00 | 52.50 | 52.00 | 51.50 | 51.00 | 50.50 | 50.00 |
| 4 | 4 | 233 | 49.50 | 49.00 | 48.50 | 48.00 | 47.50 | 47.00 | 46.50 | 46.00 | 45.50 | 45.00 |
| 4 | 4 | 243 | 44.50 | 44.00 | 43.50 | 43.00 | 42.50 | 42.00 | 41.50 | 41.00 | 40.50 | 40.00 |
| 5 | 5 | 253 | 39.75 | 39.49 | 39.24 | 38.98 | 38.73 | 38.48 | 38.22 | 37.97 | 37.71 | 37.46 |
| 5 | 5 | 263 | 37.21 | 36.95 | 36.70 | 36.44 | 36.19 | 35.94 | 35.68 | 35.43 | 35.17 | 34.92 |
| 5 | 5 | 273 | 34.67 | 34.41 | 34.16 | 33.90 | 33.65 | 33.40 | 33.14 | 32.89 | 32.63 | 32.38 |
| 5 | 5 | 283 | 32.13 | 31.87 | 31.62 | 31.37 | 31.11 | 30.86 | 30.60 | 30.35 | 30.10 | 29.84 |
| 5 | 5 | 293 | 29.59 | 29.33 | 29.08 | 28.83 | 28.57 | 28.32 | 28.06 | 27.81 | 27.56 | 27.30 |
| 5 | 5 | 303 | 27.05 | 26.79 | 26.54 | 26.29 | 26.03 | 25.78 | 25.52 | 25.27 | 25.02 | 24.76 |
| 5 | 5 | 313 | 24.51 | 24.25 | 24.00 | | | | | | | |
| 6 | 6 | 316 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 6 | 6 | 326 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 6 | 6 | 336 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| 17 | 17 | 526 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | | | | |
| 7 | 7 | 346 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 7 | 356 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 7 | 7 | 366 | 10.00 | 10.00 | | | | | | | | |
| 8 | 8 | 368 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | |
| 9 | 9 | 377 | 11.15 | 12.31 | 13.46 | 14.62 | 15.77 | 16.92 | 18.08 | 19.23 | 20.38 | 21.54 |
| 9 | 9 | 387 | 22.69 | 23.85 | 25.00 | | | | | | | |
| 10 | 10 | 390 | 26.44 | 27.89 | 29.33 | 30.78 | 32.22 | 33.67 | 35.11 | 36.56 | 38.00 | |
| 11 | 11 | 399 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 11 | 11 | 409 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | |
| 12 | 12 | 418 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 12 | 12 | 428 | 38.00 | 38.00 | 38.00 | | | | | | | |
| 13 | 13 | 431 | 38.00 | 38.00 | | | | | | | | |
| 14 | 14 | 433 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 |
| 14 | 14 | 443 | 38.00 | 38.00 | | | | | | | | |
| 15 | 15 | 445 | 37.89 | 37.78 | 37.67 | 37.56 | 37.45 | 37.34 | 37.23 | 37.12 | 37.01 | 36.90 |
| 15 | 15 | 455 | 36.79 | 36.68 | 36.58 | 36.47 | 36.36 | 36.25 | 36.14 | 36.03 | 35.92 | 35.81 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 15 | 465 | 35.70 | 35.59 | 35.48 | 35.37 | 35.26 | 35.15 | 35.04 | 34.93 | 34.82 | 34.71 |
| 15 | 15 | 475 | 34.60 | 34.49 | 34.38 | 34.27 | 34.16 | 34.05 | 33.95 | 33.84 | 33.73 | 33.62 |
| 15 | 15 | 485 | 33.51 | 33.40 | 33.29 | 33.18 | 33.07 | 32.96 | 32.85 | 32.74 | 32.63 | 32.52 |
| 15 | 15 | 495 | 32.41 | 32.30 | 32.19 | 32.08 | 31.97 | 31.86 | 31.75 | 31.64 | 31.53 | 31.42 |
| 15 | 15 | 505 | 31.32 | 31.21 | 31.10 | 30.99 | 30.88 | 30.77 | 30.66 | 30.55 | 30.44 | 30.33 |
| 15 | 15 | 515 | 30.22 | 30.11 | 30.00 | | | | | | | |
| 16 | 16 | 518 | 29.25 | 28.50 | 27.75 | 27.00 | 26.25 | 25.50 | 24.75 | 24.00 | | |

INTERMEDIATE REPORT

Temperature LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

deg C TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 31.22 | 31.24 | 31.25 | 31.27 | 31.29 | 31.31 | 31.33 | 31.35 | 31.36 | 31.38 |
| 1 | 1 | 11 | 31.40 | 31.42 | 31.44 | 31.45 | 31.47 | 31.49 | 31.51 | 31.53 | 31.55 | 31.56 |
| 1 | 1 | 21 | 31.58 | 31.60 | 31.62 | 31.64 | 31.65 | 31.67 | 31.69 | 31.71 | 31.73 | 31.75 |
| 1 | 1 | 31 | 31.76 | 31.78 | 31.80 | | | | | | | |
| 2 | 2 | 34 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 44 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 54 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 64 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 74 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 84 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 94 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 104 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 114 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 124 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 134 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 144 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 2 | 2 | 154 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | | | |
| 3 | 3 | 161 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 171 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 181 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 191 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 201 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 3 | 3 | 211 | 31.80 | 31.80 | | | | | | | | |
| 4 | 4 | 213 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 223 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 233 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 4 | 4 | 243 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 253 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 263 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 273 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 283 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 293 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 303 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 | 31.80 |
| 5 | 5 | 313 | 31.80 | 31.80 | 31.80 | | | | | | | |
| 6 | 6 | 316 | 31.82 | 31.83 | 31.85 | 31.87 | 31.88 | 31.90 | 31.92 | 31.93 | 31.95 | 31.97 |
| 6 | 6 | 326 | 31.98 | 32.00 | 32.02 | 32.03 | 32.05 | 32.07 | 32.08 | 32.10 | 32.12 | 32.13 |
| 6 | 6 | 336 | 32.15 | 32.17 | 32.18 | 32.20 | 32.22 | 32.23 | 32.25 | 32.27 | 32.28 | 32.30 |
| 17 | 17 | 526 | 32.28 | 32.27 | 32.25 | 32.23 | 32.22 | 32.20 | | | | |
| 7 | 7 | 346 | 31.48 | 31.45 | 31.43 | 31.41 | 31.39 | 31.36 | 31.34 | 31.32 | 31.30 | 31.27 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 356 | 31.25 | 31.23 | 31.20 | 31.18 | 31.16 | 31.14 | 31.11 | 31.09 | 31.07 | 31.05 |
| 7 | 7 | 366 | 31.02 | 31.00 | | | | | | | | |
| 8 | 8 | 368 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | 31.00 | |
| 9 | 9 | 377 | 31.04 | 31.08 | 31.12 | 31.15 | 31.19 | 31.23 | 31.27 | 31.31 | 31.35 | 31.38 |
| 9 | 9 | 387 | 31.42 | 31.46 | 31.50 | | | | | | | |
| 10 | 10 | 390 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | |
| 11 | 11 | 399 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 |
| 11 | 11 | 409 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | |
| 12 | 12 | 418 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 | 31.50 |
| 12 | 12 | 428 | 31.50 | 31.50 | 31.50 | | | | | | | |
| 13 | 13 | 431 | 31.50 | 31.50 | | | | | | | | |
| 14 | 14 | 433 | 31.57 | 31.63 | 31.70 | 31.77 | 31.83 | 31.90 | 31.97 | 32.03 | 32.10 | 32.17 |
| 14 | 14 | 443 | 32.23 | 32.30 | | | | | | | | |
| 15 | 15 | 445 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 455 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 465 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 475 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 485 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 495 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 505 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 |
| 15 | 15 | 515 | 32.30 | 32.30 | 32.30 | | | | | | | |
| 16 | 16 | 518 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | 32.30 | | |

INTERMEDIATE REPORT

Salinity LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

ppt TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 2 | 2 | 34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 3 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

River Distance LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

km TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 35. | 35. | 35. | 35. | 35. | 35. | 34. | 34. | 34. | 34. |
| 1 | 1 | 11 | 34. | 34. | 34. | 34. | 34. | 34. | 33. | 33. | 33. | 33. |
| 1 | 1 | 21 | 33. | 33. | 33. | 33. | 33. | 33. | 32. | 32. | 32. | 32. |
| 1 | 1 | 31 | 32. | 32. | 32. | | | | | | | |
| 2 | 2 | 34 | 32. | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| 2 | 2 | 44 | 31. | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| 2 | 2 | 54 | 30. | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| 2 | 2 | 64 | 29. | 29. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. |
| 2 | 2 | 74 | 28. | 28. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 84 | 27. | 27. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. |
| 2 | 2 | 94 | 26. | 26. | 25. | 25. | 25. | 25. | 25. | 25. | 25. | 25. |
| 2 | 2 | 104 | 25. | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| 2 | 2 | 114 | 24. | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| 2 | 2 | 124 | 23. | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| 2 | 2 | 134 | 22. | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| 2 | 2 | 144 | 21. | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| 2 | 2 | 154 | 20. | 20. | 19. | 19. | 19. | 19. | 19. | | | |
| 3 | 3 | 161 | 19. | 19. | 19. | 19. | 19. | 18. | 18. | 18. | 18. | 18. |
| 3 | 3 | 171 | 18. | 18. | 18. | 18. | 18. | 17. | 17. | 17. | 17. | 17. |
| 3 | 3 | 181 | 17. | 17. | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. |
| 3 | 3 | 191 | 16. | 16. | 16. | 16. | 16. | 15. | 15. | 15. | 15. | 15. |
| 3 | 3 | 201 | 15. | 15. | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. |
| 3 | 3 | 211 | 14. | 14. | | | | | | | | |
| 4 | 4 | 213 | 14. | 14. | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| 4 | 4 | 223 | 13. | 13. | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| 4 | 4 | 233 | 12. | 12. | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. |
| 4 | 4 | 243 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| 5 | 5 | 253 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| 5 | 5 | 263 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| 5 | 5 | 273 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| 5 | 5 | 283 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| 5 | 5 | 293 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| 5 | 5 | 303 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| 5 | 5 | 313 | 4. | 4. | 4. | | | | | | | |
| 6 | 6 | 316 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| 6 | 6 | 326 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| 6 | 6 | 336 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| 17 | 17 | 526 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| 7 | 7 | 346 | 18. | 18. | 18. | 18. | 17. | 17. | 17. | 17. | 17. | 17. |
| 7 | 7 | 356 | 17. | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. | 16. |
| 7 | 7 | 366 | 16. | 16. | | | | | | | | |
| 8 | 8 | 368 | 16. | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | |
| 9 | 9 | 377 | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| 9 | 9 | 387 | 14. | 14. | 14. | | | | | | | |
| 10 | 10 | 390 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | |
| 11 | 11 | 399 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| 11 | 11 | 409 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | |
| 12 | 12 | 418 | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| 12 | 12 | 428 | 10. | 10. | 9. | | | | | | | |
| 13 | 13 | 431 | 9. | 9. | | | | | | | | |
| 14 | 14 | 433 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. | 8. |
| 14 | 14 | 443 | 8. | 8. | | | | | | | | |
| 15 | 15 | 445 | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. |
| 15 | 15 | 455 | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. |
| 15 | 15 | 465 | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. |
| 15 | 15 | 475 | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. |
| 15 | 15 | 485 | 4. | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. |
| 15 | 15 | 495 | 3. | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. |
| 15 | 15 | 505 | 2. | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. |

```
 15   15  515        1.      1.      1.
 16   16  518        1.      1.      0.      0.      0.      0.      0.      0.
INTERMEDIATE REPORT
 Flow                                        LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
   m³/s                                      TMDL Simulation for Lake Penchant and Bayou Penchant mode
 ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
  1   1    1      17.4    17.4    17.4    17.4    17.4    17.4    17.3    17.3    17.3    17.3
  1   1   11      17.3    17.3    17.3    17.3    17.3    17.3    17.3    17.3    17.3    17.3
  1   1   21      17.3    17.3    17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2
  1   1   31      17.2    17.2    17.2
  2   2   34      17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2
  2   2   44      17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.2
  2   2   54      17.2    17.2    17.2    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2   64      17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2   74      17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2   84      17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2   94      17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2  104      17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.1
  2   2  114      17.1    17.1    17.1    17.1    17.1    17.1    17.0    17.0    17.0    17.0
  2   2  124      17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0
  2   2  134      17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0
  2   2  144      17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.0
  2   2  154      17.0    17.0    17.0    17.0    17.0    17.0    17.0
  3   3  161      13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2
  3   3  171      13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.2
  3   3  181      13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1
  3   3  191      13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.1
  3   3  201      13.1    13.1    13.1    13.1    13.1    13.1    13.0    13.0    13.0    13.0
  3   3  211      13.0    13.0
  4   4  213      14.7    14.7    14.7    14.7    14.7    14.7    14.7    14.7    14.7    14.7
  4   4  223      14.7    14.7    14.7    14.7    14.7    14.6    14.6    14.6    14.6    14.6
  4   4  233      14.6    14.6    14.6    14.6    14.6    14.6    14.6    14.6    14.6    14.6
  4   4  243      14.6    14.6    14.6    14.6    14.6    14.5    14.5    14.5    14.5    14.5
  5   5  253       5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3
  5   5  263       5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3     5.3
  5   5  273       5.3     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2
  5   5  283       5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2
  5   5  293       5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2     5.2
  5   5  303       5.2     5.2     5.1     5.1     5.1     5.1     5.1     5.1     5.1     5.1
  5   5  313       5.1     5.1     5.1
  6   6  316       5.1     5.1     5.1     5.1     5.1     5.1     5.1     5.1     5.1     5.1
  6   6  326       5.0     5.0     5.0     5.0     5.0     5.0     5.0     5.0     5.0     5.0
  6   6  336       5.0     5.0     5.0     5.0     5.0     4.9     4.9     4.9     4.9     4.9
 17  17  526      10.3    10.3    10.3    10.3    10.3    10.3
  7   7  346       0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
  7   7  356       0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
  7   7  366       0.0     0.0
  8   8  368       0.2     0.4     0.6     0.7     0.9     1.1     1.2     1.4     1.6
  9   9  377       1.7     1.9     2.0     2.2     2.3     2.5     2.6     2.8     3.0     3.1
  9   9  387       3.3     3.4     3.6
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 10 | 390 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |
| 11 | 11 | 399 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 11 | 11 | 409 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |
| 12 | 12 | 418 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 12 | 12 | 428 | 3.6 | 3.6 | 3.6 | | | | | | | |
| 13 | 13 | 431 | 6.8 | 6.8 | | | | | | | | |
| 14 | 14 | 433 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 14 | 14 | 443 | 5.1 | 5.1 | | | | | | | | |
| 15 | 15 | 445 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.2 | 5.2 |
| 15 | 15 | 455 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 465 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 475 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 | 15 | 485 | 5.2 | 5.2 | 5.2 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 495 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 505 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 15 | 515 | 5.3 | 5.3 | 5.3 | | | | | | | |
| 16 | 16 | 518 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.4 | 5.4 | 5.4 | | |

INTERMEDIATE REPORT

Dispersion LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m²/s TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | |
| 1 | 1 | 11 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 1 | 1 | 21 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 1 | 1 | 31 | 0.6 | 0.6 | 0.6 | | | | | | | |
| 2 | 2 | 34 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 44 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 54 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 64 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 74 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 84 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 94 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 104 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 114 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 124 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 134 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 144 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2 | 2 | 154 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | |
| 3 | 3 | 161 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 171 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 181 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 191 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 201 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 3 | 3 | 211 | 0.4 | 0.4 | | | | | | | | |
| 4 | 4 | 213 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 223 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 233 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 4 | 4 | 243 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 253 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 263 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 273 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 283 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 293 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 303 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 5 | 5 | 313 | 0.3 | 0.3 | 0.3 | | | | | | | |
| 6 | 6 | 316 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 | 6 | 326 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 | 6 | 336 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 17 | 17 | 526 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| 7 | 7 | 346 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 366 | 0.0 | 0.0 | | | | | | | | |
| 8 | 8 | 368 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | 9 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 9 | 387 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 10 | 10 | 390 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 11 | 399 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 11 | 11 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | |
| 12 | 12 | 418 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 12 | 12 | 428 | 0.2 | 0.2 | 0.2 | | | | | | | |
| 13 | 13 | 431 | 0.1 | 0.1 | | | | | | | | |
| 14 | 14 | 433 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 | 14 | 443 | 0.1 | 0.1 | | | | | | | | |
| 15 | 15 | 445 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 455 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 465 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 475 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 485 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 495 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 505 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 515 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 16 | 16 | 518 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |

INTERMEDIATE REPORT

Advective Velocity LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m/s TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| 1 | 1 | 11 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1 | 1 | 21 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 1 | 1 | 31 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 2 | 2 | 34 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 44 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 54 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 64 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 74 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 84 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 94 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 104 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 114 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 124 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 134 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 144 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2 | 2 | 154 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| 3 | 3 | 161 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 171 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 181 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 191 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 201 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 3 | 211 | 0.1 | 0.1 | | | | | | | | |
| 4 | 4 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 4 | 4 | 243 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 | 5 | 253 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 263 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 273 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 283 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 293 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 303 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 5 | 313 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 6 | 6 | 316 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 6 | 326 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 6 | 336 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 17 | 526 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | |
| 7 | 7 | 346 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 7 | 366 | 0.0 | 0.0 | | | | | | | | |
| 8 | 8 | 368 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | 9 | 377 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 9 | 387 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 10 | 10 | 390 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 11 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 11 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 12 | 12 | 418 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 12 | 428 | 0.0 | 0.0 | 0.0 | | | | | | | |
| 13 | 13 | 431 | 0.1 | 0.1 | | | | | | | | |
| 14 | 14 | 433 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 | 14 | 443 | 0.1 | 0.1 | | | | | | | | |
| 15 | 15 | 445 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 455 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 465 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 475 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 485 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 495 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 505 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 15 | 15 | 515 | 0.1 | 0.1 | 0.1 | | | | | | | |
| 16 | 16 | 518 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |

INTERMEDIATE REPORT

Depth LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 1 | 1 | 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 1 | 1 | 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 1 | 1 | 31 | 1.0 | 1.0 | 1.0 | | | | | | | |
| 2 | 2 | 34 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 44 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 54 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 64 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 74 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 84 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 94 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 104 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 114 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 124 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 134 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 144 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 2 | 2 | 154 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | |
| 3 | 3 | 161 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 3 | 3 | 171 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 3 | 3 | 181 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 3 | 3 | 191 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 3 | 3 | 201 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 3 | 3 | 211 | 1.8 | 1.8 | | | | | | | | |
| 4 | 4 | 213 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 4 | 4 | 223 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 4 | 4 | 233 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 4 | 4 | 243 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 253 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 263 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 273 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 283 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 293 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 303 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 5 | 5 | 313 | 1.8 | 1.8 | 1.8 | | | | | | | |
| 6 | 6 | 316 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 6 | 6 | 326 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 6 | 6 | 336 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 17 | 17 | 526 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | | | | |
| 7 | 7 | 346 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 7 | 7 | 356 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 7 | 7 | 366 | 1.8 | 1.8 | | | | | | | | |
| 8 | 8 | 368 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 9 | 9 | 377 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 9 | 9 | 387 | 1.8 | 1.8 | 1.8 | | | | | | | |
| 10 | 10 | 390 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 11 | 11 | 399 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 11 | 11 | 409 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 12 | 12 | 418 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 12 | 12 | 428 | 1.4 | 1.4 | 1.4 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 13 | 431 | 1.4 | 1.4 | | | | | | | | |
| 14 | 14 | 433 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 14 | 14 | 443 | 1.4 | 1.4 | | | | | | | | |
| 15 | 15 | 445 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 455 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 465 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 475 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 485 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 495 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 505 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 15 | 15 | 515 | 1.4 | 1.4 | 1.4 | | | | | | | |
| 16 | 16 | 518 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | | |

INTERMEDIATE REPORT

Width LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 11 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 21 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 31 | 135.0 | 135.0 | 135.0 | | | | | | | |
| 2 | 2 | 34 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 44 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 54 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 64 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 74 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 84 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 94 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 104 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 114 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 124 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 134 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 144 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 154 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | | | |
| 3 | 3 | 161 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 171 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 181 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 191 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 201 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3 | 3 | 211 | 90.0 | 90.0 | | | | | | | | |
| 4 | 4 | 213 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 223 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 233 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 4 | 4 | 243 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 | 155.0 |
| 5 | 5 | 253 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 263 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 273 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 283 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 293 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 303 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 5 | 5 | 313 | 90.0 | 90.0 | 90.0 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 6 | 316 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 6 | 6 | 326 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 6 | 6 | 336 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 17 | 17 | 526 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | | | | |
| 7 | 7 | 346 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 7 | 7 | 356 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 7 | 7 | 366 | 35.0 | 35.0 | | | | | | | | |
| 8 | 8 | 368 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | 2131.0 | |
| 9 | 9 | 377 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 | 983.0 |
| 9 | 9 | 387 | 983.0 | 983.0 | 983.0 | | | | | | | |
| 10 | 10 | 390 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | 148.0 | |
| 11 | 11 | 399 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 11 | 11 | 409 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| 12 | 12 | 418 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 12 | 12 | 428 | 72.0 | 72.0 | 72.0 | | | | | | | |
| 13 | 13 | 431 | 72.0 | 72.0 | | | | | | | | |
| 14 | 14 | 433 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 14 | 14 | 443 | 70.0 | 70.0 | | | | | | | | |
| 15 | 15 | 445 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 455 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 465 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 475 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 485 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 495 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 505 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 15 | 15 | 515 | 65.0 | 65.0 | 65.0 | | | | | | | |
| 16 | 16 | 518 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | | |

INTERMEDIATE REPORT

Cross-Sectional Area LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

m² TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 11 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 21 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 | 135.0 |
| 1 | 1 | 31 | 135.0 | 135.0 | 135.0 | | | | | | | |
| 2 | 2 | 34 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 44 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 54 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 64 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 74 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 84 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 94 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 104 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 114 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 124 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 134 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 144 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| 2 | 2 | 154 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | | | |
| 3 | 3 | 161 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 171 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3 | 181 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 191 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 201 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 3 | 3 | 211 | 159.1 | 159.1 | | | | | | | | |
| 4 | 4 | 213 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 223 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 233 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 4 | 4 | 243 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 | 274.0 |
| 5 | 5 | 253 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 263 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 273 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 283 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 293 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 303 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 5 | 5 | 313 | 159.1 | 159.1 | 159.1 | | | | | | | |
| 6 | 6 | 316 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 6 | 6 | 326 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 6 | 6 | 336 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 | 194.5 |
| 17 | 17 | 526 | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | | | | |
| 7 | 7 | 346 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 7 | 7 | 356 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 7 | 7 | 366 | 61.9 | 61.9 | | | | | | | | |
| 8 | 8 | 368 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | 3767.6 | |
| 9 | 9 | 377 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 | 1737.9 |
| 9 | 9 | 387 | 1737.9 | 1737.9 | 1737.9 | | | | | | | |
| 10 | 10 | 390 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | 261.7 | |
| 11 | 11 | 399 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 |
| 11 | 11 | 409 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | |
| 12 | 12 | 418 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 12 | 12 | 428 | 100.9 | 100.9 | 100.9 | | | | | | | |
| 13 | 13 | 431 | 100.9 | 100.9 | | | | | | | | |
| 14 | 14 | 433 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 14 | 14 | 443 | 98.1 | 98.1 | | | | | | | | |
| 15 | 15 | 445 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 455 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 465 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 475 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 485 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 495 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 505 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 15 | 15 | 515 | 91.1 | 91.1 | 91.1 | | | | | | | |
| 16 | 16 | 518 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | | |

INTERMEDIATE REPORT

Reaeration Rate LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
per day TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1.733 | 1.733 | 1.733 | 1.734 | 1.734 | 1.734 | 1.734 | 1.735 | 1.735 | 1.735 |
| 1 | 1 | 11 | 1.735 | 1.735 | 1.736 | 1.736 | 1.736 | 1.736 | 1.737 | 1.737 | 1.737 | 1.737 |
| 1 | 1 | 21 | 1.738 | 1.738 | 1.738 | 1.738 | 1.738 | 1.739 | 1.739 | 1.739 | 1.739 | 1.740 |
| 1 | 1 | 31 | 1.740 | 1.740 | 1.740 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 34 | 1.928 | 1.928 | 1.928 | 1.928 | 1.928 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 |
| 2 | 2 | 44 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 | 1.927 | 1.926 | 1.926 | 1.926 | 1.926 |
| 2 | 2 | 54 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.926 | 1.925 | 1.925 | 1.925 |
| 2 | 2 | 64 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.925 | 1.924 |
| 2 | 2 | 74 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 | 1.924 |
| 2 | 2 | 84 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 | 1.923 |
| 2 | 2 | 94 | 1.923 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 | 1.922 |
| 2 | 2 | 104 | 1.922 | 1.922 | 1.922 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 | 1.921 |
| 2 | 2 | 114 | 1.921 | 1.921 | 1.921 | 1.921 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 |
| 2 | 2 | 124 | 1.920 | 1.920 | 1.920 | 1.920 | 1.920 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 |
| 2 | 2 | 134 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 | 1.919 | 1.918 | 1.918 | 1.918 | 1.918 |
| 2 | 2 | 144 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.918 | 1.917 | 1.917 |
| 2 | 2 | 154 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | 1.917 | | | |
| 3 | 3 | 161 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.598 | 0.597 | 0.597 |
| 3 | 3 | 171 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 | 0.597 |
| 3 | 3 | 181 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 | 0.596 |
| 3 | 3 | 191 | 0.596 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 | 0.595 |
| 3 | 3 | 201 | 0.595 | 0.595 | 0.595 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 | 0.594 |
| 3 | 3 | 211 | 0.594 | 0.594 | | | | | | | | |
| 4 | 4 | 213 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 223 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 233 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 4 | 4 | 243 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 253 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 263 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 273 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 283 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 293 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 303 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| 5 | 5 | 313 | 0.491 | 0.491 | 0.491 | | | | | | | |
| 6 | 6 | 316 | 0.491 | 0.491 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.492 | 0.493 |
| 6 | 6 | 326 | 0.493 | 0.493 | 0.493 | 0.493 | 0.493 | 0.493 | 0.494 | 0.494 | 0.494 | 0.494 |
| 6 | 6 | 336 | 0.494 | 0.494 | 0.494 | 0.494 | 0.495 | 0.495 | 0.495 | 0.495 | 0.495 | 0.495 |
| 17 | 17 | 526 | 0.855 | 0.855 | 0.854 | 0.854 | 0.854 | 0.854 | | | | |
| 7 | 7 | 346 | 0.488 | 0.488 | 0.488 | 0.488 | 0.488 | 0.488 | 0.487 | 0.487 | 0.487 | 0.487 |
| 7 | 7 | 356 | 0.487 | 0.486 | 0.486 | 0.486 | 0.486 | 0.486 | 0.485 | 0.485 | 0.485 | 0.485 |
| 7 | 7 | 366 | 0.485 | 0.485 | | | | | | | | |
| 8 | 8 | 368 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | 0.644 | |
| 9 | 9 | 377 | 0.644 | 0.645 | 0.645 | 0.645 | 0.646 | 0.646 | 0.647 | 0.647 | 0.648 | 0.648 |
| 9 | 9 | 387 | 0.648 | 0.649 | 0.649 | | | | | | | |
| 10 | 10 | 390 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | |
| 11 | 11 | 399 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 |
| 11 | 11 | 409 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | 0.489 | |
| 12 | 12 | 418 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 | 0.616 |
| 12 | 12 | 428 | 0.616 | 0.616 | 0.616 | | | | | | | |
| 13 | 13 | 431 | 0.761 | 0.761 | | | | | | | | |
| 14 | 14 | 433 | 0.667 | 0.668 | 0.669 | 0.670 | 0.671 | 0.672 | 0.673 | 0.674 | 0.675 | 0.675 |
| 14 | 14 | 443 | 0.676 | 0.677 | | | | | | | | |
| 15 | 15 | 445 | 0.703 | 0.703 | 0.703 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.705 | 0.705 |
| 15 | 15 | 455 | 0.705 | 0.705 | 0.705 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.707 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 15 | 465 | 0.707 | 0.707 | 0.707 | 0.707 | 0.708 | 0.708 | 0.708 | 0.708 | 0.708 | 0.709 |
| 15 | 15 | 475 | 0.709 | 0.709 | 0.709 | 0.709 | 0.710 | 0.710 | 0.710 | 0.710 | 0.710 | 0.710 |
| 15 | 15 | 485 | 0.711 | 0.711 | 0.711 | 0.711 | 0.711 | 0.712 | 0.712 | 0.712 | 0.712 | 0.712 |
| 15 | 15 | 495 | 0.713 | 0.713 | 0.713 | 0.713 | 0.713 | 0.713 | 0.714 | 0.714 | 0.714 | 0.714 |
| 15 | 15 | 505 | 0.714 | 0.715 | 0.715 | 0.715 | 0.715 | 0.715 | 0.716 | 0.716 | 0.716 | 0.716 |
| 15 | 15 | 515 | 0.716 | 0.716 | 0.717 | | | | | | | |
| 16 | 16 | 518 | 0.717 | 0.717 | 0.717 | 0.718 | 0.718 | 0.718 | 0.718 | 0.718 | | |

INTERMEDIATE REPORT

BOD Decay Rate LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

per day TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 1 | 1 | 11 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 1 | 1 | 21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 1 | 1 | 31 | 0.21 | 0.21 | 0.21 | | | | | | | |
| 2 | 2 | 34 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 44 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 54 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 64 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 74 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 84 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 94 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 104 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 114 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 124 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 134 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 144 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 2 | 2 | 154 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | | | |
| 3 | 3 | 161 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 171 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 181 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 191 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 201 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 3 | 3 | 211 | 0.09 | 0.09 | | | | | | | | |
| 4 | 4 | 213 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 223 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 233 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 4 | 4 | 243 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 253 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 263 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 273 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 283 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 293 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 303 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 5 | 5 | 313 | 0.09 | 0.09 | 0.09 | | | | | | | |
| 6 | 6 | 316 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 6 | 6 | 326 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 6 | 6 | 336 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 17 | 17 | 526 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| 7 | 7 | 346 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 356 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 7 | 7 | 366 | 0.08 | 0.08 | | | | | | | | |
| 8 | 8 | 368 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 9 | 9 | 377 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 9 | 9 | 387 | 0.08 | 0.08 | 0.08 | | | | | | | |
| 10 | 10 | 390 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 11 | 11 | 399 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 11 | 11 | 409 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | |
| 12 | 12 | 418 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 12 | 12 | 428 | 0.08 | 0.08 | 0.08 | | | | | | | |
| 13 | 13 | 431 | 0.08 | 0.08 | | | | | | | | |
| 14 | 14 | 433 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 14 | 14 | 443 | 0.09 | 0.09 | | | | | | | | |
| 15 | 15 | 445 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 455 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 465 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 475 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 485 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 495 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 505 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 15 | 15 | 515 | 0.09 | 0.09 | 0.09 | | | | | | | |
| 16 | 16 | 518 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | |

INTERMEDIATE REPORT

BOD Settling Rate per day — LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments — TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 2 | 2 | 34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | 3 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 211 | 0.00 | 0.00 | | | | | | | | |
| 4 | 4 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 243 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 253 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 263 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 273 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 283 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 293 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 303 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 313 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 6 | 6 | 316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 326 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 6 | 336 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 17 | 526 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 346 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 356 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 366 | 0.00 | 0.00 | | | | | | | | |
| 8 | 8 | 368 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 9 | 377 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 387 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 10 | 10 | 390 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 11 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 418 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 12 | 428 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 13 | 13 | 431 | 0.00 | 0.00 | | | | | | | | |
| 14 | 14 | 433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 14 | 443 | 0.00 | 0.00 | | | | | | | | |
| 15 | 15 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 15 | 515 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 16 | 16 | 518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

INTERMEDIATE REPORT

Ammonia Decay Rate LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
per day TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 1 | 1 | 11 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 1 | 1 | 21 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 1 | 1 | 31 | 0.36 | 0.37 | 0.37 | | | | | | | |
| 2 | 2 | 34 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 2 | 2 | 44 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 54 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 64 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 74 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 84 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 94 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 104 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 114 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 124 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 134 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 144 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 2 | 2 | 154 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | | | |
| 3 | 3 | 161 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 171 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 181 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 3 | 3 | 191 | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 3 | 3 | 201 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 3 | 3 | 211 | 0.38 | 0.38 | | | | | | | | |
| 4 | 4 | 213 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 223 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 233 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 4 | 4 | 243 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 253 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 263 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 273 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 283 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 5 | 5 | 293 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 5 | 5 | 303 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 5 | 5 | 313 | 0.37 | 0.37 | 0.37 | | | | | | | |
| 6 | 6 | 316 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 6 | 6 | 326 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 |
| 6 | 6 | 336 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 17 | 17 | 526 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | | | | |
| 7 | 7 | 346 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 7 | 7 | 356 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 7 | 7 | 366 | 0.23 | 0.23 | | | | | | | | |
| 8 | 8 | 368 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | |
| 9 | 9 | 377 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.24 |
| 9 | 9 | 387 | 0.24 | 0.24 | 0.24 | | | | | | | |
| 10 | 10 | 390 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | |
| 11 | 11 | 399 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 11 | 11 | 409 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | |
| 12 | 12 | 418 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 12 | 12 | 428 | 0.35 | 0.35 | 0.35 | | | | | | | |
| 13 | 13 | 431 | 0.35 | 0.35 | | | | | | | | |
| 14 | 14 | 433 | 0.35 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 |
| 14 | 14 | 443 | 0.37 | 0.38 | | | | | | | | |
| 15 | 15 | 445 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 455 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 465 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 475 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 485 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 495 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 15 | 15 | 505 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |

| | | | | | |
|---|---|---|---|---|---|
| 15 | 15 | 515 | 0.38 | 0.38 | 0.38 |
| 16 | 16 | 518 | 0.38 | 0.38 | 0.38 |

INTERMEDIATE REPORT

Sediment Oxygen Demand LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

g/m²/d TMDL Simulation for Lake Penchant and Bayou Penchant mode

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 5.07 | 5.07 | 5.08 | 5.08 | 5.09 | 5.10 | 5.10 | 5.11 | 5.11 | 5.12 |
| 1 | 1 | 11 | 5.13 | 5.13 | 5.14 | 5.14 | 5.15 | 5.15 | 5.16 | 5.17 | 5.17 | 5.18 |
| 1 | 1 | 21 | 5.18 | 5.19 | 5.20 | 5.20 | 5.21 | 5.21 | 5.22 | 5.23 | 5.23 | 5.24 |
| 1 | 1 | 31 | 5.24 | 5.25 | 5.26 | | | | | | | |
| 2 | 2 | 34 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 44 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 54 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 64 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 74 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 84 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 94 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 104 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 114 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 124 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 134 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 144 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 |
| 2 | 2 | 154 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | | | |
| 3 | 3 | 161 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 171 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 181 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 191 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 201 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 3 | 3 | 211 | 3.15 | 3.15 | | | | | | | | |
| 4 | 4 | 213 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 223 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 233 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 4 | 4 | 243 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 253 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 263 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 273 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 283 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 293 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 303 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| 5 | 5 | 313 | 3.15 | 3.15 | 3.15 | | | | | | | |
| 6 | 6 | 316 | 3.16 | 3.16 | 3.16 | 3.17 | 3.17 | 3.17 | 3.18 | 3.18 | 3.18 | 3.19 |
| 6 | 6 | 326 | 3.19 | 3.19 | 3.20 | 3.20 | 3.20 | 3.21 | 3.21 | 3.21 | 3.22 | 3.22 |
| 6 | 6 | 336 | 3.22 | 3.23 | 3.23 | 3.23 | 3.24 | 3.24 | 3.24 | 3.25 | 3.25 | 3.25 |
| 17 | 17 | 526 | 3.25 | 3.25 | 3.24 | 3.24 | 3.24 | 3.23 | | | | |
| 7 | 7 | 346 | 2.88 | 2.88 | 2.88 | 2.87 | 2.87 | 2.86 | 2.86 | 2.86 | 2.85 | 2.85 |
| 7 | 7 | 356 | 2.84 | 2.84 | 2.84 | 2.83 | 2.83 | 2.82 | 2.82 | 2.81 | 2.81 | 2.81 |
| 7 | 7 | 366 | 2.80 | 2.80 | | | | | | | | |
| 8 | 8 | 368 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | |
| 9 | 9 | 377 | 3.01 | 3.01 | 3.02 | 3.03 | 3.04 | 3.04 | 3.05 | 3.06 | 3.06 | 3.07 |
| 9 | 9 | 387 | 3.08 | 3.09 | 3.09 | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 10 | 390 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | |
| 11 | 11 | 399 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 |
| 11 | 11 | 409 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | |
| 12 | 12 | 418 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 |
| 12 | 12 | 428 | 5.78 | 5.78 | 5.78 | | | | | | | |
| 13 | 13 | 431 | 3.09 | 3.09 | | | | | | | | |
| 14 | 14 | 433 | 3.11 | 3.12 | 3.13 | 3.15 | 3.16 | 3.17 | 3.19 | 3.20 | 3.21 | 3.23 |
| 14 | 14 | 443 | 3.24 | 3.25 | | | | | | | | |
| 15 | 15 | 445 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 455 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 465 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 475 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 485 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 495 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 505 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 15 | 15 | 515 | 3.25 | 3.25 | 3.25 | | | | | | | |
| 16 | 16 | 518 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | | |

CONDENSED CAPSULE SUMMARY FOR Bayou Chene

| DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | REAER ORGN | BOD1 NH3 | BOD2 CHLA | BOD2 RATE | NH3 DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 17.38664 | 30.00 | 0.00 | 6.20 | 16.08 | 0.00 | 1.60 | 0.10 | 70.00 | | | | | |
| 35.00 | 17.38058 | 31.22 | 0.00 | 6.19 | 16.08 | 0.00 | 1.60 | 0.10 | 70.15 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 34.90 | 17.37452 | 31.24 | 0.00 | 6.19 | 16.08 | 0.00 | 1.60 | 0.10 | 70.30 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 34.80 | 17.36846 | 31.25 | 0.00 | 6.18 | 16.08 | 0.00 | 1.60 | 0.10 | 70.45 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 34.70 | 17.36240 | 31.27 | 0.00 | 6.18 | 16.08 | 0.00 | 1.60 | 0.10 | 70.61 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 34.60 | 17.35634 | 31.29 | 0.00 | 6.17 | 16.08 | 0.00 | 1.60 | 0.10 | 70.76 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.09 |
| 34.50 | 17.35028 | 31.31 | 0.00 | 6.17 | 16.08 | 0.00 | 1.60 | 0.10 | 70.91 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 34.40 | 17.34422 | 31.33 | 0.00 | 6.16 | 16.08 | 0.00 | 1.60 | 0.10 | 71.06 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 34.30 | 17.33816 | 31.35 | 0.00 | 6.16 | 16.08 | 0.00 | 1.60 | 0.10 | 71.21 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 34.20 | 17.33210 | 31.36 | 0.00 | 6.16 | 16.08 | 0.00 | 1.59 | 0.10 | 71.36 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 34.10 | 17.32604 | 31.38 | 0.00 | 6.15 | 16.08 | 0.00 | 1.59 | 0.10 | 71.52 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.12 |
| 34.00 | 17.31998 | 31.40 | 0.00 | 6.15 | 16.08 | 0.00 | 1.59 | 0.10 | 71.67 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.13 |
| 33.90 | 17.31392 | 31.42 | 0.00 | 6.14 | 16.08 | 0.00 | 1.59 | 0.10 | 71.82 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.13 |
| 33.80 | 17.30787 | 31.44 | 0.00 | 6.14 | 16.08 | 0.00 | 1.59 | 0.10 | 71.97 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 33.70 | 17.30181 | 31.45 | 0.00 | 6.14 | 16.09 | 0.00 | 1.59 | 0.10 | 72.12 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 33.60 | 17.29575 | 31.47 | 0.00 | 6.13 | 16.09 | 0.00 | 1.59 | 0.10 | 72.27 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 33.50 | 17.28969 | 31.49 | 0.00 | 6.13 | 16.09 | 0.00 | 1.59 | 0.10 | 72.42 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 33.40 | 17.28363 | 31.51 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.58 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.16 |
| 33.30 | 17.27757 | 31.53 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.73 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 33.20 | 17.27151 | 31.55 | 0.00 | 6.12 | 16.09 | 0.00 | 1.59 | 0.10 | 72.88 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 33.10 | 17.26545 | 31.56 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.03 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 33.00 | 17.25939 | 31.58 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.18 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 32.90 | 17.25333 | 31.60 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.33 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.19 |
| 32.80 | 17.24727 | 31.62 | 0.00 | 6.11 | 16.09 | 0.00 | 1.59 | 0.10 | 73.48 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 32.70 | 17.24121 | 31.64 | 0.00 | 6.10 | 16.09 | 0.00 | 1.59 | 0.10 | 73.64 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 32.60 | 17.23515 | 31.65 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 73.79 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 32.50 | 17.22909 | 31.67 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 73.94 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 32.40 | 17.22303 | 31.69 | 0.00 | 6.10 | 16.09 | 0.00 | 1.58 | 0.10 | 74.09 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.22 |
| 32.30 | 17.21697 | 31.71 | 0.00 | 6.09 | 16.09 | 0.00 | 1.58 | 0.10 | 74.24 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.20 | 17.21091 | 31.73 | 0.00 | 6.09 | 16.09 | 0.00 | 1.58 | 0.10 | 74.39 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 32.10 | 17.20485 | 31.75 | 0.00 | 6.09 | 16.08 | 0.00 | 1.58 | 0.10 | 74.55 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 32.00 | 17.19879 | 31.76 | 0.00 | 6.09 | 16.08 | 0.00 | 1.58 | 0.10 | 74.70 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 31.90 | 17.19273 | 31.78 | 0.00 | 6.08 | 16.08 | 0.00 | 1.58 | 0.10 | 74.85 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.25 |
| 31.80 | 17.18667 | 31.80 | 0.00 | 6.08 | 16.09 | 0.00 | 1.58 | 0.10 | 75.00 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.26 |
| 31.70 | 17.18510 | 31.80 | 0.00 | 6.08 | 16.14 | 0.00 | 1.58 | 0.10 | 75.04 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.60 | 17.18352 | 31.80 | 0.00 | 6.07 | 16.19 | 0.00 | 1.59 | 0.10 | 75.08 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.50 | 17.18195 | 31.80 | 0.00 | 6.07 | 16.24 | 0.00 | 1.59 | 0.10 | 75.12 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.40 | 17.18037 | 31.80 | 0.00 | 6.06 | 16.30 | 0.00 | 1.59 | 0.10 | 75.16 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.30 | 17.17879 | 31.80 | 0.00 | 6.06 | 16.35 | 0.00 | 1.60 | 0.10 | 75.20 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.20 | 17.17722 | 31.80 | 0.00 | 6.05 | 16.40 | 0.00 | 1.60 | 0.10 | 75.24 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.10 | 17.17564 | 31.80 | 0.00 | 6.05 | 16.45 | 0.00 | 1.60 | 0.10 | 75.28 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 31.00 | 17.17407 | 31.80 | 0.00 | 6.04 | 16.50 | 0.00 | 1.61 | 0.10 | 75.31 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.90 | 17.17249 | 31.80 | 0.00 | 6.04 | 16.55 | 0.00 | 1.61 | 0.10 | 75.35 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.80 | 17.17092 | 31.80 | 0.00 | 6.04 | 16.61 | 0.00 | 1.61 | 0.10 | 75.39 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.70 | 17.16934 | 31.80 | 0.00 | 6.03 | 16.66 | 0.00 | 1.61 | 0.10 | 75.43 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.60 | 17.16777 | 31.80 | 0.00 | 6.03 | 16.71 | 0.00 | 1.62 | 0.10 | 75.47 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 30.50 | 17.16619 | 31.80 | 0.00 | 6.02 | 16.76 | 0.00 | 1.62 | 0.10 | 75.51 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.40 | 17.16462 | 31.80 | 0.00 | 6.02 | 16.81 | 0.00 | 1.62 | 0.10 | 75.55 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.30 | 17.16304 | 31.80 | 0.00 | 6.01 | 16.86 | 0.00 | 1.63 | 0.10 | 75.59 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.20 | 17.16146 | 31.80 | 0.00 | 6.01 | 16.91 | 0.00 | 1.63 | 0.10 | 75.63 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.10 | 17.15989 | 31.80 | 0.00 | 6.00 | 16.96 | 0.00 | 1.63 | 0.10 | 75.67 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 30.00 | 17.15831 | 31.80 | 0.00 | 6.00 | 17.01 | 0.00 | 1.64 | 0.10 | 75.71 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.90 | 17.15674 | 31.80 | 0.00 | 6.00 | 17.06 | 0.00 | 1.64 | 0.10 | 75.75 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.80 | 17.15516 | 31.80 | 0.00 | 5.99 | 17.11 | 0.00 | 1.64 | 0.10 | 75.79 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.70 | 17.15359 | 31.80 | 0.00 | 5.99 | 17.16 | 0.00 | 1.65 | 0.10 | 75.83 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.60 | 17.15201 | 31.80 | 0.00 | 5.98 | 17.21 | 0.00 | 1.65 | 0.10 | 75.87 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.50 | 17.15044 | 31.80 | 0.00 | 5.98 | 17.25 | 0.00 | 1.65 | 0.10 | 75.91 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.40 | 17.14886 | 31.80 | 0.00 | 5.97 | 17.30 | 0.00 | 1.65 | 0.10 | 75.94 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.30 | 17.14729 | 31.80 | 0.00 | 5.97 | 17.35 | 0.00 | 1.66 | 0.10 | 75.98 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.20 | 17.14571 | 31.80 | 0.00 | 5.97 | 17.40 | 0.00 | 1.66 | 0.10 | 76.02 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.10 | 17.14413 | 31.80 | 0.00 | 5.96 | 17.45 | 0.00 | 1.66 | 0.10 | 76.06 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 29.00 | 17.14256 | 31.80 | 0.00 | 5.96 | 17.49 | 0.00 | 1.67 | 0.10 | 76.10 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.90 | 17.14098 | 31.80 | 0.00 | 5.95 | 17.54 | 0.00 | 1.67 | 0.10 | 76.14 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.80 | 17.13941 | 31.80 | 0.00 | 5.95 | 17.59 | 0.00 | 1.67 | 0.10 | 76.18 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.70 | 17.13783 | 31.80 | 0.00 | 5.95 | 17.64 | 0.00 | 1.67 | 0.10 | 76.22 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.60 | 17.13626 | 31.80 | 0.00 | 5.94 | 17.68 | 0.00 | 1.68 | 0.10 | 76.26 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.50 | 17.13468 | 31.80 | 0.00 | 5.94 | 17.73 | 0.00 | 1.68 | 0.10 | 76.30 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.40 | 17.13311 | 31.80 | 0.00 | 5.93 | 17.78 | 0.00 | 1.68 | 0.10 | 76.34 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.30 | 17.13153 | 31.80 | 0.00 | 5.93 | 17.82 | 0.00 | 1.69 | 0.10 | 76.38 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.20 | 17.12996 | 31.80 | 0.00 | 5.93 | 17.87 | 0.00 | 1.69 | 0.10 | 76.42 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.10 | 17.12838 | 31.80 | 0.00 | 5.92 | 17.92 | 0.00 | 1.69 | 0.10 | 76.46 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 28.00 | 17.12680 | 31.80 | 0.00 | 5.92 | 17.96 | 0.00 | 1.70 | 0.10 | 76.50 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.90 | 17.12523 | 31.80 | 0.00 | 5.91 | 18.01 | 0.00 | 1.70 | 0.10 | 76.54 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.80 | 17.12365 | 31.80 | 0.00 | 5.91 | 18.06 | 0.00 | 1.70 | 0.10 | 76.57 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.70 | 17.12208 | 31.80 | 0.00 | 5.91 | 18.10 | 0.00 | 1.70 | 0.10 | 76.61 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.60 | 17.12050 | 31.80 | 0.00 | 5.90 | 18.15 | 0.00 | 1.71 | 0.10 | 76.65 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.50 | 17.11893 | 31.80 | 0.00 | 5.90 | 18.19 | 0.00 | 1.71 | 0.10 | 76.69 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.40 | 17.11735 | 31.80 | 0.00 | 5.89 | 18.24 | 0.00 | 1.71 | 0.10 | 76.73 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.30 | 17.11578 | 31.80 | 0.00 | 5.89 | 18.28 | 0.00 | 1.72 | 0.10 | 76.77 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.20 | 17.11420 | 31.80 | 0.00 | 5.89 | 18.33 | 0.00 | 1.72 | 0.10 | 76.81 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.10 | 17.11263 | 31.80 | 0.00 | 5.88 | 18.37 | 0.00 | 1.72 | 0.10 | 76.85 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 27.00 | 17.11105 | 31.80 | 0.00 | 5.88 | 18.42 | 0.00 | 1.72 | 0.10 | 76.89 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.90 | 17.10947 | 31.80 | 0.00 | 5.87 | 18.46 | 0.00 | 1.73 | 0.10 | 76.93 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.80 | 17.10790 | 31.80 | 0.00 | 5.87 | 18.50 | 0.00 | 1.73 | 0.10 | 76.97 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.70 | 17.10632 | 31.80 | 0.00 | 5.87 | 18.55 | 0.00 | 1.73 | 0.10 | 77.01 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.60 | 17.10475 | 31.80 | 0.00 | 5.86 | 18.59 | 0.00 | 1.74 | 0.10 | 77.05 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.50 | 17.10317 | 31.80 | 0.00 | 5.86 | 18.63 | 0.00 | 1.74 | 0.10 | 77.09 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.40 | 17.10160 | 31.80 | 0.00 | 5.86 | 18.68 | 0.00 | 1.74 | 0.10 | 77.13 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.30 | 17.10002 | 31.80 | 0.00 | 5.85 | 18.72 | 0.00 | 1.74 | 0.10 | 77.17 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.20 | 17.09845 | 31.80 | 0.00 | 5.85 | 18.76 | 0.00 | 1.75 | 0.10 | 77.20 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.10 | 17.09687 | 31.80 | 0.00 | 5.85 | 18.81 | 0.00 | 1.75 | 0.10 | 77.24 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 26.00 | 17.09529 | 31.80 | 0.00 | 5.84 | 18.85 | 0.00 | 1.75 | 0.10 | 77.28 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.90 | 17.09372 | 31.80 | 0.00 | 5.84 | 18.89 | 0.00 | 1.75 | 0.10 | 77.32 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.80 | 17.09214 | 31.80 | 0.00 | 5.83 | 18.93 | 0.00 | 1.76 | 0.10 | 77.36 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.70 | 17.09057 | 31.80 | 0.00 | 5.83 | 18.98 | 0.00 | 1.76 | 0.10 | 77.40 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.60 | 17.08899 | 31.80 | 0.00 | 5.83 | 19.02 | 0.00 | 1.76 | 0.10 | 77.44 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.50 | 17.08742 | 31.80 | 0.00 | 5.82 | 19.06 | 0.00 | 1.77 | 0.10 | 77.48 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.40 | 17.08584 | 31.80 | 0.00 | 5.82 | 19.10 | 0.00 | 1.77 | 0.10 | 77.52 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.30 | 17.08427 | 31.80 | 0.00 | 5.82 | 19.14 | 0.00 | 1.77 | 0.10 | 77.56 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.20 | 17.08269 | 31.80 | 0.00 | 5.81 | 19.19 | 0.00 | 1.77 | 0.10 | 77.60 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.10 | 17.08112 | 31.80 | 0.00 | 5.81 | 19.23 | 0.00 | 1.78 | 0.10 | 77.64 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 25.00 | 17.07954 | 31.80 | 0.00 | 5.81 | 19.27 | 0.00 | 1.78 | 0.10 | 77.68 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.90 | 17.07796 | 31.80 | 0.00 | 5.80 | 19.31 | 0.00 | 1.78 | 0.10 | 77.72 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.80 | 17.07639 | 31.80 | 0.00 | 5.80 | 19.35 | 0.00 | 1.78 | 0.10 | 77.76 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.70 | 17.07481 | 31.80 | 0.00 | 5.80 | 19.39 | 0.00 | 1.79 | 0.10 | 77.80 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.60 | 17.07324 | 31.80 | 0.00 | 5.79 | 19.43 | 0.00 | 1.79 | 0.10 | 77.83 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.50 | 17.07166 | 31.80 | 0.00 | 5.79 | 19.47 | 0.00 | 1.79 | 0.10 | 77.87 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.40 | 17.07009 | 31.80 | 0.00 | 5.79 | 19.51 | 0.00 | 1.80 | 0.10 | 77.91 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.30 | 17.06851 | 31.80 | 0.00 | 5.78 | 19.55 | 0.00 | 1.80 | 0.10 | 77.95 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.20 | 17.06694 | 31.80 | 0.00 | 5.78 | 19.59 | 0.00 | 1.80 | 0.10 | 77.99 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.10 | 17.06536 | 31.80 | 0.00 | 5.78 | 19.63 | 0.00 | 1.80 | 0.10 | 78.03 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 24.00 | 17.06379 | 31.80 | 0.00 | 5.77 | 19.67 | 0.00 | 1.81 | 0.10 | 78.07 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.90 | 17.06221 | 31.80 | 0.00 | 5.77 | 19.71 | 0.00 | 1.81 | 0.10 | 78.11 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.80 | 17.06063 | 31.80 | 0.00 | 5.77 | 19.75 | 0.00 | 1.81 | 0.10 | 78.15 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.70 | 17.05906 | 31.80 | 0.00 | 5.76 | 19.79 | 0.00 | 1.81 | 0.10 | 78.19 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.60 | 17.05748 | 31.80 | 0.00 | 5.76 | 19.83 | 0.00 | 1.82 | 0.10 | 78.23 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.50 | 17.05591 | 31.80 | 0.00 | 5.76 | 19.87 | 0.00 | 1.82 | 0.10 | 78.27 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.40 | 17.05433 | 31.80 | 0.00 | 5.75 | 19.91 | 0.00 | 1.82 | 0.10 | 78.31 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.30 | 17.05276 | 31.80 | 0.00 | 5.75 | 19.95 | 0.00 | 1.82 | 0.10 | 78.35 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.20 | 17.05118 | 31.80 | 0.00 | 5.75 | 19.98 | 0.00 | 1.83 | 0.10 | 78.39 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.10 | 17.04961 | 31.80 | 0.00 | 5.74 | 20.02 | 0.00 | 1.83 | 0.10 | 78.43 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 23.00 | 17.04803 | 31.80 | 0.00 | 5.74 | 20.06 | 0.00 | 1.83 | 0.10 | 78.46 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.90 | 17.04646 | 31.80 | 0.00 | 5.74 | 20.10 | 0.00 | 1.83 | 0.10 | 78.50 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.80 | 17.04488 | 31.80 | 0.00 | 5.74 | 20.14 | 0.00 | 1.84 | 0.10 | 78.54 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.70 | 17.04330 | 31.80 | 0.00 | 5.73 | 20.17 | 0.00 | 1.84 | 0.10 | 78.58 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.60 | 17.04173 | 31.80 | 0.00 | 5.73 | 20.21 | 0.00 | 1.84 | 0.10 | 78.62 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.50 | 17.04015 | 31.80 | 0.00 | 5.73 | 20.25 | 0.00 | 1.85 | 0.10 | 78.66 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.40 | 17.03858 | 31.80 | 0.00 | 5.72 | 20.29 | 0.00 | 1.85 | 0.10 | 78.70 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.30 | 17.03700 | 31.80 | 0.00 | 5.72 | 20.32 | 0.00 | 1.85 | 0.10 | 78.74 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.20 | 17.03543 | 31.80 | 0.00 | 5.72 | 20.36 | 0.00 | 1.85 | 0.10 | 78.78 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.10 | 17.03385 | 31.80 | 0.00 | 5.71 | 20.40 | 0.00 | 1.86 | 0.11 | 78.82 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 22.00 | 17.03228 | 31.80 | 0.00 | 5.71 | 20.44 | 0.00 | 1.86 | 0.11 | 78.86 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.90 | 17.03070 | 31.80 | 0.00 | 5.71 | 20.47 | 0.00 | 1.86 | 0.11 | 78.90 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.80 | 17.02913 | 31.80 | 0.00 | 5.71 | 20.51 | 0.00 | 1.86 | 0.11 | 78.94 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.70 | 17.02755 | 31.80 | 0.00 | 5.70 | 20.55 | 0.00 | 1.87 | 0.11 | 78.98 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.60 | 17.02597 | 31.80 | 0.00 | 5.70 | 20.58 | 0.00 | 1.87 | 0.11 | 79.02 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.50 | 17.02440 | 31.80 | 0.00 | 5.70 | 20.62 | 0.00 | 1.87 | 0.11 | 79.06 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.40 | 17.02282 | 31.80 | 0.00 | 5.69 | 20.65 | 0.00 | 1.87 | 0.11 | 79.09 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.30 | 17.02125 | 31.80 | 0.00 | 5.69 | 20.69 | 0.00 | 1.88 | 0.11 | 79.13 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.20 | 17.01967 | 31.80 | 0.00 | 5.69 | 20.73 | 0.00 | 1.88 | 0.11 | 79.17 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.10 | 17.01810 | 31.80 | 0.00 | 5.69 | 20.76 | 0.00 | 1.88 | 0.11 | 79.21 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 21.00 | 17.01652 | 31.80 | 0.00 | 5.68 | 20.80 | 0.00 | 1.88 | 0.11 | 79.25 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.90 | 17.01495 | 31.80 | 0.00 | 5.68 | 20.83 | 0.00 | 1.89 | 0.11 | 79.29 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.80 | 17.01337 | 31.80 | 0.00 | 5.68 | 20.87 | 0.00 | 1.89 | 0.11 | 79.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.70 | 17.01180 | 31.80 | 0.00 | 5.67 | 20.90 | 0.00 | 1.89 | 0.11 | 79.37 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.60 | 17.01022 | 31.80 | 0.00 | 5.67 | 20.94 | 0.00 | 1.89 | 0.11 | 79.41 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.50 | 17.00864 | 31.80 | 0.00 | 5.67 | 20.97 | 0.00 | 1.89 | 0.11 | 79.45 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.40 | 17.00707 | 31.80 | 0.00 | 5.67 | 21.01 | 0.00 | 1.90 | 0.11 | 79.49 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.30 | 17.00549 | 31.80 | 0.00 | 5.66 | 21.04 | 0.00 | 1.90 | 0.11 | 79.53 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.20 | 17.00392 | 31.80 | 0.00 | 5.66 | 21.08 | 0.00 | 1.90 | 0.11 | 79.57 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.10 | 17.00234 | 31.80 | 0.00 | 5.66 | 21.11 | 0.00 | 1.90 | 0.11 | 79.61 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 20.00 | 17.00077 | 31.80 | 0.00 | 5.66 | 21.14 | 0.00 | 1.91 | 0.11 | 79.65 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.90 | 16.99919 | 31.80 | 0.00 | 5.65 | 21.18 | 0.00 | 1.91 | 0.11 | 79.69 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.80 | 16.99762 | 31.80 | 0.00 | 5.65 | 21.21 | 0.00 | 1.91 | 0.11 | 79.72 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.70 | 16.99604 | 31.80 | 0.00 | 5.65 | 21.25 | 0.00 | 1.91 | 0.11 | 79.76 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.60 | 16.99446 | 31.80 | 0.00 | 5.65 | 21.28 | 0.00 | 1.92 | 0.11 | 79.80 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.50 | 16.99289 | 31.80 | 0.00 | 5.64 | 21.31 | 0.00 | 1.92 | 0.11 | 79.84 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.40 | 16.99131 | 31.80 | 0.00 | 5.64 | 21.35 | 0.00 | 1.92 | 0.11 | 79.88 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.30 | 16.98974 | 31.80 | 0.00 | 5.64 | 21.38 | 0.00 | 1.92 | 0.11 | 79.92 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.20 | 16.98816 | 31.80 | 0.00 | 5.64 | 21.41 | 0.00 | 1.93 | 0.11 | 79.96 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.10 | 16.98659 | 31.80 | 0.00 | 5.63 | 21.44 | 0.00 | 1.93 | 0.11 | 80.00 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 19.00 | 13.22594 | 31.80 | 0.00 | 5.68 | 21.42 | 0.00 | 1.93 | 0.11 | 79.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.90 | 13.22209 | 31.80 | 0.00 | 5.73 | 21.38 | 0.00 | 1.93 | 0.11 | 79.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.80 | 13.21825 | 31.80 | 0.00 | 5.79 | 21.35 | 0.00 | 1.93 | 0.11 | 78.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.70 | 13.21440 | 31.80 | 0.00 | 5.84 | 21.31 | 0.00 | 1.92 | 0.11 | 78.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.60 | 13.21056 | 31.80 | 0.00 | 5.89 | 21.28 | 0.00 | 1.92 | 0.11 | 78.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.50 | 13.20671 | 31.80 | 0.00 | 5.94 | 21.25 | 0.00 | 1.92 | 0.11 | 77.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.40 | 13.20286 | 31.80 | 0.00 | 5.99 | 21.21 | 0.00 | 1.92 | 0.11 | 77.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 18.30 | 13.19902 | 31.80 | 0.00 | 6.04 | 21.18 | 0.00 | 1.92 | 0.11 | 76.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.20 | 13.19517 | 31.80 | 0.00 | 6.09 | 21.15 | 0.00 | 1.92 | 0.11 | 76.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.10 | 13.19133 | 31.80 | 0.00 | 6.14 | 21.11 | 0.00 | 1.92 | 0.11 | 76.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 18.00 | 13.18748 | 31.80 | 0.00 | 6.19 | 21.08 | 0.00 | 1.92 | 0.11 | 75.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.90 | 13.18363 | 31.80 | 0.00 | 6.23 | 21.05 | 0.00 | 1.91 | 0.11 | 75.38 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.80 | 13.17979 | 31.80 | 0.00 | 6.28 | 21.01 | 0.00 | 1.91 | 0.11 | 75.00 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.70 | 13.17594 | 31.80 | 0.00 | 6.32 | 20.98 | 0.00 | 1.91 | 0.11 | 74.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.60 | 13.17209 | 31.80 | 0.00 | 6.37 | 20.95 | 0.00 | 1.91 | 0.11 | 74.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.50 | 13.16825 | 31.80 | 0.00 | 6.41 | 20.91 | 0.00 | 1.91 | 0.11 | 73.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.40 | 13.16440 | 31.80 | 0.00 | 6.45 | 20.88 | 0.00 | 1.91 | 0.11 | 73.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.30 | 13.16056 | 31.80 | 0.00 | 6.49 | 20.85 | 0.00 | 1.91 | 0.11 | 73.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.20 | 13.15671 | 31.80 | 0.00 | 6.53 | 20.82 | 0.00 | 1.91 | 0.11 | 72.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.10 | 13.15286 | 31.80 | 0.00 | 6.57 | 20.78 | 0.00 | 1.91 | 0.11 | 72.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 17.00 | 13.14902 | 31.80 | 0.00 | 6.61 | 20.75 | 0.00 | 1.90 | 0.11 | 71.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.90 | 13.14517 | 31.80 | 0.00 | 6.65 | 20.72 | 0.00 | 1.90 | 0.11 | 71.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.80 | 13.14132 | 31.80 | 0.00 | 6.69 | 20.68 | 0.00 | 1.90 | 0.11 | 71.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.70 | 13.13748 | 31.80 | 0.00 | 6.72 | 20.65 | 0.00 | 1.90 | 0.11 | 70.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.60 | 13.13363 | 31.80 | 0.00 | 6.76 | 20.62 | 0.00 | 1.90 | 0.11 | 70.38 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.50 | 13.12979 | 31.80 | 0.00 | 6.80 | 20.59 | 0.00 | 1.90 | 0.11 | 70.00 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.40 | 13.12594 | 31.80 | 0.00 | 6.83 | 20.55 | 0.00 | 1.90 | 0.11 | 69.62 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.30 | 13.12209 | 31.80 | 0.00 | 6.86 | 20.52 | 0.00 | 1.90 | 0.11 | 69.23 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.20 | 13.11825 | 31.80 | 0.00 | 6.90 | 20.49 | 0.00 | 1.90 | 0.11 | 68.85 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.10 | 13.11440 | 31.80 | 0.00 | 6.93 | 20.46 | 0.00 | 1.89 | 0.11 | 68.46 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 16.00 | 13.11056 | 31.80 | 0.00 | 6.96 | 20.42 | 0.00 | 1.89 | 0.11 | 68.08 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 15.90 | 13.10671 | 31.80 | 0.00 | 6.99 | 20.39 | 0.00 | 1.89 | 0.11 | 67.69 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 15.80 | 13.10286 | 31.80 | 0.00 | 7.02 | 20.36 | 0.00 | 1.89 | 0.11 | 67.31 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.70 | 13.09902 | 31.80 | 0.00 | 7.05 | 20.33 | 0.00 | 1.89 | 0.11 | 66.92 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.60 | 13.09517 | 31.80 | 0.00 | 7.08 | 20.30 | 0.00 | 1.89 | 0.11 | 66.54 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.50 | 13.09132 | 31.80 | 0.00 | 7.11 | 20.26 | 0.00 | 1.89 | 0.11 | 66.15 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.40 | 13.08748 | 31.80 | 0.00 | 7.14 | 20.23 | 0.00 | 1.89 | 0.11 | 65.77 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.30 | 13.08363 | 31.80 | 0.00 | 7.16 | 20.20 | 0.00 | 1.89 | 0.11 | 65.38 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.20 | 13.07979 | 31.80 | 0.00 | 7.19 | 20.17 | 0.00 | 1.88 | 0.11 | 65.00 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.10 | 13.07594 | 31.80 | 0.00 | 7.21 | 20.14 | 0.00 | 1.88 | 0.11 | 64.62 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 15.00 | 13.07209 | 31.80 | 0.00 | 7.24 | 20.10 | 0.00 | 1.88 | 0.11 | 64.23 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.90 | 13.06825 | 31.80 | 0.00 | 7.26 | 20.07 | 0.00 | 1.88 | 0.11 | 63.85 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.80 | 13.06440 | 31.80 | 0.00 | 7.29 | 20.04 | 0.00 | 1.88 | 0.11 | 63.46 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.70 | 13.06056 | 31.80 | 0.00 | 7.31 | 20.01 | 0.00 | 1.88 | 0.11 | 63.08 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.60 | 13.05671 | 31.80 | 0.00 | 7.33 | 19.98 | 0.00 | 1.88 | 0.11 | 62.69 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.50 | 13.05286 | 31.80 | 0.00 | 7.35 | 19.95 | 0.00 | 1.88 | 0.11 | 62.31 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.40 | 13.04902 | 31.80 | 0.00 | 7.37 | 19.91 | 0.00 | 1.88 | 0.11 | 61.92 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.30 | 13.04517 | 31.80 | 0.00 | 7.39 | 19.88 | 0.00 | 1.88 | 0.11 | 61.54 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.20 | 13.04132 | 31.80 | 0.00 | 7.41 | 19.85 | 0.00 | 1.87 | 0.11 | 61.15 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.10 | 13.03748 | 31.80 | 0.00 | 7.43 | 19.82 | 0.00 | 1.87 | 0.11 | 60.77 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 14.00 | 13.03363 | 31.80 | 0.00 | 7.45 | 19.78 | 0.00 | 1.87 | 0.11 | 60.38 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.90 | 13.02979 | 31.80 | 0.00 | 7.46 | 19.66 | 0.00 | 1.87 | 0.11 | 60.00 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.80 | 14.72381 | 31.80 | 0.00 | 7.22 | 17.83 | 0.00 | 1.88 | 0.10 | 59.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.70 | 14.71881 | 31.80 | 0.00 | 7.25 | 17.79 | 0.00 | 1.88 | 0.10 | 59.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.60 | 14.71381 | 31.80 | 0.00 | 7.29 | 17.75 | 0.00 | 1.88 | 0.11 | 58.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.50 | 14.70881 | 31.80 | 0.00 | 7.32 | 17.71 | 0.00 | 1.88 | 0.11 | 58.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.40 | 14.70381 | 31.80 | 0.00 | 7.35 | 17.67 | 0.00 | 1.88 | 0.11 | 57.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.30 | 14.69881 | 31.80 | 0.00 | 7.37 | 17.63 | 0.00 | 1.88 | 0.11 | 57.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.20 | 14.69381 | 31.80 | 0.00 | 7.40 | 17.59 | 0.00 | 1.87 | 0.11 | 56.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.10 | 14.68881 | 31.80 | 0.00 | 7.43 | 17.56 | 0.00 | 1.87 | 0.11 | 56.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 13.00 | 14.68381 | 31.80 | 0.00 | 7.45 | 17.52 | 0.00 | 1.87 | 0.11 | 55.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.90 | 14.67881 | 31.80 | 0.00 | 7.48 | 17.48 | 0.00 | 1.87 | 0.11 | 55.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.80 | 14.67381 | 31.80 | 0.00 | 7.50 | 17.44 | 0.00 | 1.87 | 0.11 | 54.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.70 | 14.66881 | 31.80 | 0.00 | 7.52 | 17.40 | 0.00 | 1.87 | 0.11 | 54.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.60 | 14.66381 | 31.80 | 0.00 | 7.54 | 17.36 | 0.00 | 1.87 | 0.11 | 53.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.50 | 14.65880 | 31.80 | 0.00 | 7.56 | 17.32 | 0.00 | 1.86 | 0.11 | 53.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.40 | 14.65380 | 31.80 | 0.00 | 7.58 | 17.29 | 0.00 | 1.86 | 0.11 | 52.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.30 | 14.64880 | 31.80 | 0.00 | 7.59 | 17.25 | 0.00 | 1.86 | 0.11 | 52.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.20 | 14.64380 | 31.80 | 0.00 | 7.61 | 17.21 | 0.00 | 1.86 | 0.11 | 51.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.10 | 14.63880 | 31.80 | 0.00 | 7.63 | 17.17 | 0.00 | 1.86 | 0.11 | 51.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 12.00 | 14.63380 | 31.80 | 0.00 | 7.64 | 17.13 | 0.00 | 1.86 | 0.11 | 50.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.90 | 14.62880 | 31.80 | 0.00 | 7.65 | 17.09 | 0.00 | 1.86 | 0.11 | 50.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.80 | 14.62380 | 31.80 | 0.00 | 7.67 | 17.06 | 0.00 | 1.85 | 0.11 | 49.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.70 | 14.61880 | 31.80 | 0.00 | 7.68 | 17.02 | 0.00 | 1.85 | 0.11 | 49.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.60 | 14.61380 | 31.80 | 0.00 | 7.69 | 16.98 | 0.00 | 1.85 | 0.11 | 48.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.50 | 14.60880 | 31.80 | 0.00 | 7.70 | 16.94 | 0.00 | 1.85 | 0.11 | 48.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.40 | 14.60380 | 31.80 | 0.00 | 7.70 | 16.91 | 0.00 | 1.85 | 0.11 | 47.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.30 | 14.59880 | 31.80 | 0.00 | 7.71 | 16.87 | 0.00 | 1.85 | 0.11 | 47.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.20 | 14.59380 | 31.80 | 0.00 | 7.72 | 16.83 | 0.00 | 1.85 | 0.11 | 46.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.10 | 14.58880 | 31.80 | 0.00 | 7.72 | 16.79 | 0.00 | 1.84 | 0.11 | 46.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 11.00 | 14.58380 | 31.80 | 0.00 | 7.73 | 16.76 | 0.00 | 1.84 | 0.11 | 45.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.90 | 14.57880 | 31.80 | 0.00 | 7.73 | 16.72 | 0.00 | 1.84 | 0.11 | 45.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.80 | 14.57380 | 31.80 | 0.00 | 7.73 | 16.68 | 0.00 | 1.84 | 0.11 | 44.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.70 | 14.56880 | 31.80 | 0.00 | 7.73 | 16.65 | 0.00 | 1.84 | 0.11 | 44.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.60 | 14.56380 | 31.80 | 0.00 | 7.74 | 16.61 | 0.00 | 1.84 | 0.11 | 43.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.50 | 14.55880 | 31.80 | 0.00 | 7.74 | 16.57 | 0.00 | 1.83 | 0.11 | 43.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.40 | 14.55380 | 31.80 | 0.00 | 7.73 | 16.54 | 0.00 | 1.83 | 0.11 | 42.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.30 | 14.54880 | 31.80 | 0.00 | 7.73 | 16.50 | 0.00 | 1.83 | 0.11 | 42.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.20 | 14.54380 | 31.80 | 0.00 | 7.73 | 16.46 | 0.00 | 1.83 | 0.11 | 41.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.10 | 14.53880 | 31.80 | 0.00 | 7.73 | 16.43 | 0.00 | 1.83 | 0.11 | 41.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 10.00 | 14.53380 | 31.80 | 0.00 | 7.72 | 16.39 | 0.00 | 1.83 | 0.11 | 40.50 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.90 | 14.52880 | 31.80 | 0.00 | 7.72 | 16.36 | 0.00 | 1.83 | 0.11 | 40.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.80 | 5.31413 | 31.80 | 0.00 | 7.71 | 16.33 | 0.00 | 1.83 | 0.11 | 39.75 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.70 | 5.31095 | 31.80 | 0.00 | 7.71 | 16.28 | 0.00 | 1.82 | 0.11 | 39.49 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.60 | 5.30778 | 31.80 | 0.00 | 7.70 | 16.22 | 0.00 | 1.82 | 0.11 | 39.24 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.50 | 5.30460 | 31.80 | 0.00 | 7.69 | 16.16 | 0.00 | 1.82 | 0.11 | 38.98 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.40 | 5.30143 | 31.80 | 0.00 | 7.67 | 16.10 | 0.00 | 1.82 | 0.11 | 38.73 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.30 | 5.29825 | 31.80 | 0.00 | 7.66 | 16.05 | 0.00 | 1.81 | 0.11 | 38.48 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.20 | 5.29508 | 31.80 | 0.00 | 7.65 | 15.99 | 0.00 | 1.81 | 0.11 | 38.22 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.10 | 5.29190 | 31.80 | 0.00 | 7.64 | 15.93 | 0.00 | 1.81 | 0.11 | 37.97 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 9.00 | 5.28873 | 31.80 | 0.00 | 7.63 | 15.88 | 0.00 | 1.81 | 0.11 | 37.71 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.90 | 5.28555 | 31.80 | 0.00 | 7.62 | 15.82 | 0.00 | 1.80 | 0.11 | 37.46 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.80 | 5.28238 | 31.80 | 0.00 | 7.60 | 15.77 | 0.00 | 1.80 | 0.11 | 37.21 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.70 | 5.27920 | 31.80 | 0.00 | 7.59 | 15.71 | 0.00 | 1.80 | 0.11 | 36.95 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.60 | 5.27603 | 31.80 | 0.00 | 7.58 | 15.65 | 0.00 | 1.80 | 0.11 | 36.70 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.50 | 5.27285 | 31.80 | 0.00 | 7.56 | 15.60 | 0.00 | 1.79 | 0.11 | 36.44 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.40 | 5.26968 | 31.80 | 0.00 | 7.55 | 15.54 | 0.00 | 1.79 | 0.11 | 36.19 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.30 | 5.26651 | 31.80 | 0.00 | 7.53 | 15.49 | 0.00 | 1.79 | 0.11 | 35.94 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.20 | 5.26333 | 31.80 | 0.00 | 7.52 | 15.44 | 0.00 | 1.79 | 0.11 | 35.68 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.10 | 5.26016 | 31.80 | 0.00 | 7.50 | 15.38 | 0.00 | 1.79 | 0.11 | 35.43 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 8.00 | 5.25698 | 31.80 | 0.00 | 7.49 | 15.33 | 0.00 | 1.78 | 0.11 | 35.17 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.90 | 5.25381 | 31.80 | 0.00 | 7.47 | 15.27 | 0.00 | 1.78 | 0.11 | 34.92 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.80 | 5.25063 | 31.80 | 0.00 | 7.46 | 15.22 | 0.00 | 1.78 | 0.11 | 34.67 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.70 | 5.24746 | 31.80 | 0.00 | 7.44 | 15.17 | 0.00 | 1.78 | 0.11 | 34.41 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.60 | 5.24428 | 31.80 | 0.00 | 7.42 | 15.11 | 0.00 | 1.77 | 0.11 | 34.16 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.50 | 5.24111 | 31.80 | 0.00 | 7.40 | 15.06 | 0.00 | 1.77 | 0.11 | 33.90 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.40 | 5.23793 | 31.80 | 0.00 | 7.39 | 15.01 | 0.00 | 1.77 | 0.11 | 33.65 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.30 | 5.23476 | 31.80 | 0.00 | 7.37 | 14.95 | 0.00 | 1.77 | 0.11 | 33.40 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.20 | 5.23158 | 31.80 | 0.00 | 7.35 | 14.90 | 0.00 | 1.76 | 0.11 | 33.14 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.10 | 5.22841 | 31.80 | 0.00 | 7.33 | 14.85 | 0.00 | 1.76 | 0.11 | 32.89 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 7.00 | 5.22523 | 31.80 | 0.00 | 7.31 | 14.80 | 0.00 | 1.76 | 0.11 | 32.63 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.90 | 5.22206 | 31.80 | 0.00 | 7.30 | 14.74 | 0.00 | 1.76 | 0.11 | 32.38 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.80 | 5.21888 | 31.80 | 0.00 | 7.28 | 14.69 | 0.00 | 1.76 | 0.11 | 32.13 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.70 | 5.21571 | 31.80 | 0.00 | 7.26 | 14.64 | 0.00 | 1.75 | 0.11 | 31.87 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.60 | 5.21253 | 31.80 | 0.00 | 7.24 | 14.59 | 0.00 | 1.75 | 0.11 | 31.62 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.50 | 5.20936 | 31.80 | 0.00 | 7.22 | 14.54 | 0.00 | 1.75 | 0.11 | 31.37 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.40 | 5.20618 | 31.80 | 0.00 | 7.20 | 14.49 | 0.00 | 1.75 | 0.11 | 31.11 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.30 | 5.20301 | 31.80 | 0.00 | 7.18 | 14.44 | 0.00 | 1.74 | 0.11 | 30.86 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.20 | 5.19983 | 31.80 | 0.00 | 7.16 | 14.39 | 0.00 | 1.74 | 0.11 | 30.60 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.10 | 5.19666 | 31.80 | 0.00 | 7.14 | 14.34 | 0.00 | 1.74 | 0.11 | 30.35 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 6.00 | 5.19349 | 31.80 | 0.00 | 7.11 | 14.29 | 0.00 | 1.74 | 0.11 | 30.10 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.90 | 5.19031 | 31.80 | 0.00 | 7.09 | 14.24 | 0.00 | 1.74 | 0.11 | 29.84 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.80 | 5.18714 | 31.80 | 0.00 | 7.07 | 14.19 | 0.00 | 1.73 | 0.11 | 29.59 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.70 | 5.18396 | 31.80 | 0.00 | 7.05 | 14.14 | 0.00 | 1.73 | 0.11 | 29.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.60 | 5.18079 | 31.80 | 0.00 | 7.03 | 14.09 | 0.00 | 1.73 | 0.11 | 29.08 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 5.50 | 5.17761 | 31.80 | 0.00 | 7.01 | 14.04 | 0.00 | 1.73 | 0.11 | 28.83 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.40 | 5.17444 | 31.80 | 0.00 | 6.98 | 13.99 | 0.00 | 1.72 | 0.11 | 28.57 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.30 | 5.17126 | 31.80 | 0.00 | 6.96 | 13.94 | 0.00 | 1.72 | 0.11 | 28.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.20 | 5.16809 | 31.80 | 0.00 | 6.94 | 13.89 | 0.00 | 1.72 | 0.11 | 28.06 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.10 | 5.16491 | 31.80 | 0.00 | 6.92 | 13.85 | 0.00 | 1.72 | 0.11 | 27.81 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 5.00 | 5.16174 | 31.80 | 0.00 | 6.89 | 13.80 | 0.00 | 1.72 | 0.11 | 27.56 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.90 | 5.15856 | 31.80 | 0.00 | 6.87 | 13.75 | 0.00 | 1.71 | 0.11 | 27.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.80 | 5.15539 | 31.80 | 0.00 | 6.85 | 13.70 | 0.00 | 1.71 | 0.11 | 27.05 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.70 | 5.15221 | 31.80 | 0.00 | 6.82 | 13.65 | 0.00 | 1.71 | 0.11 | 26.79 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.60 | 5.14904 | 31.80 | 0.00 | 6.80 | 13.61 | 0.00 | 1.71 | 0.11 | 26.54 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.50 | 5.14586 | 31.80 | 0.00 | 6.77 | 13.56 | 0.00 | 1.70 | 0.11 | 26.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.40 | 5.14269 | 31.80 | 0.00 | 6.75 | 13.51 | 0.00 | 1.70 | 0.11 | 26.03 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.30 | 5.13951 | 31.80 | 0.00 | 6.72 | 13.47 | 0.00 | 1.70 | 0.11 | 25.78 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.20 | 5.13634 | 31.80 | 0.00 | 6.70 | 13.42 | 0.00 | 1.70 | 0.11 | 25.52 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.10 | 5.13316 | 31.80 | 0.00 | 6.67 | 13.37 | 0.00 | 1.70 | 0.11 | 25.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 4.00 | 5.12999 | 31.80 | 0.00 | 6.65 | 13.33 | 0.00 | 1.69 | 0.11 | 25.02 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.90 | 5.12681 | 31.80 | 0.00 | 6.62 | 13.28 | 0.00 | 1.69 | 0.11 | 24.76 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.80 | 5.12364 | 31.80 | 0.00 | 6.60 | 13.23 | 0.00 | 1.69 | 0.11 | 24.51 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.70 | 5.12047 | 31.80 | 0.00 | 6.57 | 13.19 | 0.00 | 1.69 | 0.11 | 24.25 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.60 | 5.11729 | 31.80 | 0.00 | 6.55 | 13.14 | 0.00 | 1.69 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 3.50 | 5.11062 | 31.82 | 0.00 | 6.51 | 13.08 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.40 | 5.10396 | 31.83 | 0.00 | 6.48 | 13.02 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.30 | 5.09729 | 31.85 | 0.00 | 6.45 | 12.96 | 0.00 | 1.68 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 3.20 | 5.09062 | 31.87 | 0.00 | 6.42 | 12.90 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 3.10 | 5.08396 | 31.88 | 0.00 | 6.39 | 12.84 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 3.00 | 5.07729 | 31.90 | 0.00 | 6.36 | 12.79 | 0.00 | 1.67 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 2.90 | 5.07062 | 31.92 | 0.00 | 6.34 | 12.73 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.80 | 5.06396 | 31.93 | 0.00 | 6.31 | 12.67 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.70 | 5.05729 | 31.95 | 0.00 | 6.28 | 12.61 | 0.00 | 1.66 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 2.60 | 5.05062 | 31.97 | 0.00 | 6.26 | 12.56 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.50 | 5.04396 | 31.98 | 0.00 | 6.23 | 12.50 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.40 | 5.03729 | 32.00 | 0.00 | 6.21 | 12.44 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 2.30 | 5.03062 | 32.02 | 0.00 | 6.19 | 12.39 | 0.00 | 1.65 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.20 | 5.02396 | 32.03 | 0.00 | 6.16 | 12.33 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 2.10 | 5.01729 | 32.05 | 0.00 | 6.14 | 12.28 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 2.00 | 5.01062 | 32.07 | 0.00 | 6.12 | 12.22 | 0.00 | 1.64 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.90 | 5.00396 | 32.08 | 0.00 | 6.10 | 12.17 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.80 | 4.99729 | 32.10 | 0.00 | 6.08 | 12.11 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 1.70 | 4.99062 | 32.12 | 0.00 | 6.06 | 12.06 | 0.00 | 1.63 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.22 |
| 1.60 | 4.98396 | 32.13 | 0.00 | 6.04 | 12.01 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 1.50 | 4.97729 | 32.15 | 0.00 | 6.02 | 11.95 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 1.40 | 4.97062 | 32.17 | 0.00 | 6.01 | 11.90 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.30 | 4.96396 | 32.18 | 0.00 | 5.99 | 11.85 | 0.00 | 1.62 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.20 | 4.95729 | 32.20 | 0.00 | 5.97 | 11.79 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 1.10 | 4.95062 | 32.22 | 0.00 | 5.96 | 11.74 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 1.00 | 4.94396 | 32.23 | 0.00 | 5.94 | 11.69 | 0.00 | 1.61 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.90 | 4.93729 | 32.25 | 0.00 | 5.93 | 11.63 | 0.00 | 1.60 | 0.11 | 24.00 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.80 | 4.93062 | 32.27 | 0.00 | 5.91 | 11.58 | 0.00 | 1.60 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.70 | 4.92396 | 32.28 | 0.00 | 5.90 | 11.49 | 0.00 | 1.61 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.60 | 4.91729 | 32.30 | 0.00 | 5.92 | 11.20 | 0.00 | 1.66 | 0.11 | 24.00 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.50 | 10.27383 | 32.28 | 0.00 | 6.15 | 9.10 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.40 | 10.27383 | 32.27 | 0.00 | 6.15 | 9.09 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.30 | 10.27383 | 32.25 | 0.00 | 6.14 | 9.08 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.20 | 10.27383 | 32.23 | 0.00 | 6.14 | 9.07 | 0.00 | 2.12 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.10 | 10.27383 | 32.22 | 0.00 | 6.14 | 9.02 | 0.00 | 2.10 | 0.13 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 0.00 | 10.27383 | 32.20 | 0.00 | 6.13 | 8.31 | 0.00 | 1.89 | 0.12 | 24.00 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |

CONDENSED CAPSULE SUMMARY FOR Station 935

| DIST | FLOW | TEMP | SALN | DO | EBOD1 | REAER | EBOD2 | BOD1 | ORGN | BOD2 | NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.03776 | 31.10 | 0.00 | 5.00 | 3.42 | 0.00 | 0.90 | 0.10 | 10.00 | | | | | | | | | | |
| 17.90 | 0.03776 | 31.48 | 0.00 | 5.03 | 2.95 | 0.00 | 0.86 | 0.10 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 | | | |
| 17.80 | 0.03776 | 31.45 | 0.00 | 5.08 | 2.54 | 0.00 | 0.82 | 0.10 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 | | | |
| 17.70 | 0.03776 | 31.43 | 0.00 | 5.14 | 2.19 | 0.00 | 0.78 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 | | | |
| 17.60 | 0.03776 | 31.41 | 0.00 | 5.20 | 1.89 | 0.00 | 0.75 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.87 | | | |
| 17.50 | 0.03776 | 31.39 | 0.00 | 5.26 | 1.63 | 0.00 | 0.71 | 0.09 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.87 | | | |
| 17.40 | 0.03776 | 31.36 | 0.00 | 5.32 | 1.40 | 0.00 | 0.68 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 | | | |
| 17.30 | 0.03776 | 31.34 | 0.00 | 5.37 | 1.21 | 0.00 | 0.65 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 | | | |
| 17.20 | 0.03776 | 31.32 | 0.00 | 5.42 | 1.04 | 0.00 | 0.62 | 0.08 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 | | | |
| 17.10 | 0.03776 | 31.30 | 0.00 | 5.46 | 0.90 | 0.00 | 0.59 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.85 | | | |
| 17.00 | 0.03776 | 31.27 | 0.00 | 5.50 | 0.78 | 0.00 | 0.57 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.85 | | | |
| 16.90 | 0.03776 | 31.25 | 0.00 | 5.53 | 0.67 | 0.00 | 0.54 | 0.07 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 | | | |
| 16.80 | 0.03776 | 31.23 | 0.00 | 5.56 | 0.58 | 0.00 | 0.52 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 | | | |
| 16.70 | 0.03776 | 31.20 | 0.00 | 5.59 | 0.50 | 0.00 | 0.49 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 | | | |
| 16.60 | 0.03776 | 31.18 | 0.00 | 5.61 | 0.43 | 0.00 | 0.47 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.83 | | | |
| 16.50 | 0.03776 | 31.16 | 0.00 | 5.64 | 0.37 | 0.00 | 0.45 | 0.06 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.83 | | | |
| 16.40 | 0.03776 | 31.14 | 0.00 | 5.66 | 0.32 | 0.00 | 0.43 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.82 | | | |
| 16.30 | 0.03776 | 31.11 | 0.00 | 5.68 | 0.28 | 0.00 | 0.41 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.82 | | | |
| 16.20 | 0.03776 | 31.09 | 0.00 | 5.69 | 0.24 | 0.00 | 0.39 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 | | | |
| 16.10 | 0.03776 | 31.07 | 0.00 | 5.71 | 0.21 | 0.00 | 0.37 | 0.05 | 10.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 | | | |
| 16.00 | 0.03776 | 31.05 | 0.00 | 5.73 | 0.18 | 0.00 | 0.36 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 | | | |
| 15.90 | 0.03776 | 31.02 | 0.00 | 5.74 | 0.15 | 0.00 | 0.34 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.80 | | | |
| 15.80 | 0.03776 | 31.00 | 0.00 | 5.75 | 0.13 | 0.00 | 0.32 | 0.04 | 10.00 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.80 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.70 | 0.20860 | 31.00 | 0.00 | 7.04 | 2.80 | 0.00 | 0.74 | 0.08 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.60 | 0.37945 | 31.00 | 0.00 | 7.03 | 2.93 | 0.00 | 0.77 | 0.08 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.50 | 0.55029 | 31.00 | 0.00 | 7.03 | 2.96 | 0.00 | 0.78 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.40 | 0.72114 | 31.00 | 0.00 | 7.02 | 2.97 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.30 | 0.89198 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.20 | 1.06283 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.10 | 1.23367 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 15.00 | 1.40452 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 14.90 | 1.57536 | 31.00 | 0.00 | 7.02 | 2.98 | 0.00 | 0.79 | 0.09 | 10.00 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 14.80 | 1.72827 | 31.04 | 0.00 | 6.26 | 3.60 | 0.00 | 1.06 | 0.09 | 11.15 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 14.70 | 1.88118 | 31.08 | 0.00 | 5.93 | 4.05 | 0.00 | 1.27 | 0.10 | 12.31 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 14.60 | 2.03408 | 31.12 | 0.00 | 5.79 | 4.38 | 0.00 | 1.43 | 0.11 | 13.46 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| 14.50 | 2.18699 | 31.15 | 0.00 | 5.76 | 4.63 | 0.00 | 1.56 | 0.12 | 14.62 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 14.40 | 2.33990 | 31.19 | 0.00 | 5.77 | 4.82 | 0.00 | 1.67 | 0.13 | 15.77 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 14.30 | 2.49281 | 31.23 | 0.00 | 5.82 | 4.98 | 0.00 | 1.75 | 0.13 | 16.92 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 14.20 | 2.64571 | 31.27 | 0.00 | 5.88 | 5.10 | 0.00 | 1.82 | 0.14 | 18.08 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 14.10 | 2.79862 | 31.31 | 0.00 | 5.96 | 5.19 | 0.00 | 1.88 | 0.15 | 19.23 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 14.00 | 2.95153 | 31.35 | 0.00 | 6.04 | 5.27 | 0.00 | 1.93 | 0.15 | 20.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 13.90 | 3.10444 | 31.38 | 0.00 | 6.13 | 5.34 | 0.00 | 1.98 | 0.15 | 21.54 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.07 |
| 13.80 | 3.25734 | 31.42 | 0.00 | 6.22 | 5.39 | 0.00 | 2.01 | 0.16 | 22.69 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.08 |
| 13.70 | 3.41025 | 31.46 | 0.00 | 6.31 | 5.43 | 0.00 | 2.05 | 0.16 | 23.85 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 13.60 | 3.56316 | 31.50 | 0.00 | 6.41 | 5.47 | 0.00 | 2.07 | 0.16 | 25.00 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 13.50 | 3.56316 | 31.50 | 0.00 | 6.29 | 5.50 | 0.00 | 2.06 | 0.16 | 26.44 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.40 | 3.56316 | 31.50 | 0.00 | 6.18 | 5.53 | 0.00 | 2.04 | 0.16 | 27.89 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.30 | 3.56316 | 31.50 | 0.00 | 6.09 | 5.56 | 0.00 | 2.03 | 0.16 | 29.33 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.20 | 3.56316 | 31.50 | 0.00 | 6.01 | 5.59 | 0.00 | 2.01 | 0.16 | 30.78 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.10 | 3.56316 | 31.50 | 0.00 | 5.95 | 5.61 | 0.00 | 2.00 | 0.16 | 32.22 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 13.00 | 3.56316 | 31.50 | 0.00 | 5.90 | 5.64 | 0.00 | 1.98 | 0.15 | 33.67 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 12.90 | 3.56316 | 31.50 | 0.00 | 5.86 | 5.67 | 0.00 | 1.97 | 0.15 | 35.11 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.80 | 3.56316 | 31.50 | 0.00 | 5.84 | 5.69 | 0.00 | 1.95 | 0.15 | 36.56 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.70 | 3.56316 | 31.50 | 0.00 | 5.83 | 5.72 | 0.00 | 1.94 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.60 | 3.56316 | 31.50 | 0.00 | 5.82 | 5.74 | 0.00 | 1.93 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.50 | 3.56316 | 31.50 | 0.00 | 5.81 | 5.75 | 0.00 | 1.93 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.40 | 3.56316 | 31.50 | 0.00 | 5.81 | 5.76 | 0.00 | 1.92 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.30 | 3.56316 | 31.50 | 0.00 | 5.80 | 5.78 | 0.00 | 1.91 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.20 | 3.56316 | 31.50 | 0.00 | 5.80 | 5.79 | 0.00 | 1.91 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.10 | 3.56316 | 31.50 | 0.00 | 5.79 | 5.81 | 0.00 | 1.90 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 12.00 | 3.56316 | 31.50 | 0.00 | 5.78 | 5.82 | 0.00 | 1.89 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.90 | 3.56316 | 31.50 | 0.00 | 5.78 | 5.83 | 0.00 | 1.89 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.80 | 3.56316 | 31.50 | 0.00 | 5.77 | 5.85 | 0.00 | 1.88 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.70 | 3.56316 | 31.50 | 0.00 | 5.77 | 5.86 | 0.00 | 1.88 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.60 | 3.56316 | 31.50 | 0.00 | 5.76 | 5.87 | 0.00 | 1.87 | 0.15 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.50 | 3.56316 | 31.50 | 0.00 | 5.76 | 5.89 | 0.00 | 1.86 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.40 | 3.56316 | 31.50 | 0.00 | 5.75 | 5.90 | 0.00 | 1.86 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.30 | 3.56316 | 31.50 | 0.00 | 5.75 | 5.91 | 0.00 | 1.85 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.20 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.92 | 0.00 | 1.85 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.10 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.94 | 0.00 | 1.84 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 11.00 | 3.56316 | 31.50 | 0.00 | 5.74 | 5.95 | 0.00 | 1.84 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.90 | 3.56316 | 31.50 | 0.00 | 5.73 | 5.96 | 0.00 | 1.83 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.80 | 3.56316 | 31.50 | 0.00 | 5.73 | 5.97 | 0.00 | 1.83 | 0.14 | 38.00 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.70 | 3.56316 | 31.50 | 0.00 | 5.70 | 6.00 | 0.00 | 1.82 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.60 | 3.56316 | 31.50 | 0.00 | 5.67 | 6.03 | 0.00 | 1.81 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.50 | 3.56316 | 31.50 | 0.00 | 5.65 | 6.05 | 0.00 | 1.80 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.40 | 3.56316 | 31.50 | 0.00 | 5.62 | 6.08 | 0.00 | 1.80 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.30 | 3.56316 | 31.50 | 0.00 | 5.60 | 6.10 | 0.00 | 1.79 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.20 | 3.56316 | 31.50 | 0.00 | 5.58 | 6.13 | 0.00 | 1.78 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.10 | 3.56316 | 31.50 | 0.00 | 5.55 | 6.15 | 0.00 | 1.78 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 10.00 | 3.56316 | 31.50 | 0.00 | 5.53 | 6.17 | 0.00 | 1.77 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.90 | 3.56316 | 31.50 | 0.00 | 5.51 | 6.20 | 0.00 | 1.76 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.80 | 3.56316 | 31.50 | 0.00 | 5.49 | 6.22 | 0.00 | 1.76 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.70 | 3.56316 | 31.50 | 0.00 | 5.47 | 6.25 | 0.00 | 1.75 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.60 | 3.56316 | 31.50 | 0.00 | 5.45 | 6.27 | 0.00 | 1.75 | 0.14 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.50 | 3.56316 | 31.50 | 0.00 | 5.42 | 6.36 | 0.00 | 1.78 | 0.13 | 38.00 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 9.40 | 6.84793 | 31.50 | 0.00 | 5.26 | 8.06 | 0.00 | 2.82 | 0.09 | 38.00 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 9.30 | 6.84793 | 31.50 | 0.00 | 5.29 | 8.05 | 0.00 | 2.82 | 0.10 | 38.00 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 9.20 | 5.10375 | 31.57 | 0.00 | 5.31 | 8.03 | 0.00 | 2.82 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.11 |
| 9.10 | 5.10588 | 31.63 | 0.00 | 5.34 | 8.02 | 0.00 | 2.82 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.12 |
| 9.00 | 5.10800 | 31.70 | 0.00 | 5.38 | 8.01 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.13 |
| 8.90 | 5.11013 | 31.77 | 0.00 | 5.41 | 7.99 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 8.80 | 5.11225 | 31.83 | 0.00 | 5.44 | 7.98 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.16 |
| 8.70 | 5.11438 | 31.90 | 0.00 | 5.47 | 7.96 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.17 |
| 8.60 | 5.11650 | 31.97 | 0.00 | 5.50 | 7.95 | 0.00 | 2.81 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 8.50 | 5.11863 | 32.03 | 0.00 | 5.53 | 7.93 | 0.00 | 2.80 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 8.40 | 5.12075 | 32.10 | 0.00 | 5.56 | 7.92 | 0.00 | 2.80 | 0.10 | 38.00 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 8.30 | 5.12288 | 32.17 | 0.00 | 5.59 | 7.90 | 0.00 | 2.80 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.23 |
| 8.20 | 5.12500 | 32.23 | 0.00 | 5.62 | 7.89 | 0.00 | 2.80 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.24 |
| 8.10 | 5.12713 | 32.30 | 0.00 | 5.65 | 7.88 | 0.00 | 2.79 | 0.10 | 38.00 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 8.00 | 5.12992 | 32.30 | 0.00 | 5.67 | 7.86 | 0.00 | 2.79 | 0.11 | 37.89 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.90 | 5.13271 | 32.30 | 0.00 | 5.70 | 7.85 | 0.00 | 2.79 | 0.11 | 37.78 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.80 | 5.13551 | 32.30 | 0.00 | 5.72 | 7.84 | 0.00 | 2.79 | 0.11 | 37.67 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.70 | 5.13830 | 32.30 | 0.00 | 5.75 | 7.82 | 0.00 | 2.78 | 0.11 | 37.56 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.60 | 5.14109 | 32.30 | 0.00 | 5.77 | 7.81 | 0.00 | 2.78 | 0.11 | 37.45 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.50 | 5.14389 | 32.30 | 0.00 | 5.79 | 7.80 | 0.00 | 2.78 | 0.11 | 37.34 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.40 | 5.14668 | 32.30 | 0.00 | 5.82 | 7.78 | 0.00 | 2.78 | 0.11 | 37.23 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.30 | 5.14947 | 32.30 | 0.00 | 5.84 | 7.77 | 0.00 | 2.77 | 0.11 | 37.12 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.20 | 5.15227 | 32.30 | 0.00 | 5.86 | 7.76 | 0.00 | 2.77 | 0.11 | 37.01 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.10 | 5.15506 | 32.30 | 0.00 | 5.88 | 7.75 | 0.00 | 2.77 | 0.11 | 36.90 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 7.00 | 5.15785 | 32.30 | 0.00 | 5.90 | 7.73 | 0.00 | 2.77 | 0.11 | 36.79 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.90 | 5.16065 | 32.30 | 0.00 | 5.92 | 7.72 | 0.00 | 2.76 | 0.11 | 36.68 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.80 | 5.16344 | 32.30 | 0.00 | 5.94 | 7.71 | 0.00 | 2.76 | 0.11 | 36.58 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.70 | 5.16623 | 32.30 | 0.00 | 5.96 | 7.70 | 0.00 | 2.76 | 0.11 | 36.47 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.60 | 5.16903 | 32.30 | 0.00 | 5.98 | 7.68 | 0.00 | 2.76 | 0.11 | 36.36 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.50 | 5.17182 | 32.30 | 0.00 | 5.99 | 7.67 | 0.00 | 2.75 | 0.11 | 36.25 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.40 | 5.17461 | 32.30 | 0.00 | 6.01 | 7.66 | 0.00 | 2.75 | 0.11 | 36.14 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.30 | 5.17741 | 32.30 | 0.00 | 6.03 | 7.65 | 0.00 | 2.75 | 0.12 | 36.03 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.20 | 5.18020 | 32.30 | 0.00 | 6.05 | 7.63 | 0.00 | 2.75 | 0.12 | 35.92 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.10 | 5.18299 | 32.30 | 0.00 | 6.06 | 7.62 | 0.00 | 2.74 | 0.12 | 35.81 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 6.00 | 5.18579 | 32.30 | 0.00 | 6.08 | 7.61 | 0.00 | 2.74 | 0.12 | 35.70 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.90 | 5.18858 | 32.30 | 0.00 | 6.09 | 7.60 | 0.00 | 2.74 | 0.12 | 35.59 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.80 | 5.19137 | 32.30 | 0.00 | 6.11 | 7.58 | 0.00 | 2.74 | 0.12 | 35.48 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.70 | 5.19417 | 32.30 | 0.00 | 6.12 | 7.57 | 0.00 | 2.73 | 0.12 | 35.37 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.60 | 5.19696 | 32.30 | 0.00 | 6.14 | 7.56 | 0.00 | 2.73 | 0.12 | 35.26 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.50 | 5.19975 | 32.30 | 0.00 | 6.15 | 7.55 | 0.00 | 2.73 | 0.12 | 35.15 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.40 | 5.20255 | 32.30 | 0.00 | 6.16 | 7.54 | 0.00 | 2.73 | 0.12 | 35.04 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.30 | 5.20534 | 32.30 | 0.00 | 6.18 | 7.52 | 0.00 | 2.72 | 0.12 | 34.93 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.20 | 5.20813 | 32.30 | 0.00 | 6.19 | 7.51 | 0.00 | 2.72 | 0.12 | 34.82 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.10 | 5.21093 | 32.30 | 0.00 | 6.20 | 7.50 | 0.00 | 2.72 | 0.12 | 34.71 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 5.00 | 5.21372 | 32.30 | 0.00 | 6.21 | 7.49 | 0.00 | 2.72 | 0.12 | 34.60 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.90 | 5.21651 | 32.30 | 0.00 | 6.22 | 7.48 | 0.00 | 2.71 | 0.12 | 34.49 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.80 | 5.21931 | 32.30 | 0.00 | 6.23 | 7.46 | 0.00 | 2.71 | 0.12 | 34.38 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.70 | 5.22210 | 32.30 | 0.00 | 6.24 | 7.45 | 0.00 | 2.71 | 0.12 | 34.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.60 | 5.22489 | 32.30 | 0.00 | 6.26 | 7.44 | 0.00 | 2.71 | 0.12 | 34.16 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.50 | 5.22769 | 32.30 | 0.00 | 6.27 | 7.43 | 0.00 | 2.70 | 0.12 | 34.05 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.40 | 5.23048 | 32.30 | 0.00 | 6.27 | 7.42 | 0.00 | 2.70 | 0.12 | 33.95 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.30 | 5.23327 | 32.30 | 0.00 | 6.28 | 7.40 | 0.00 | 2.70 | 0.12 | 33.84 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.20 | 5.23607 | 32.30 | 0.00 | 6.29 | 7.39 | 0.00 | 2.70 | 0.12 | 33.73 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.10 | 5.23886 | 32.30 | 0.00 | 6.30 | 7.38 | 0.00 | 2.70 | 0.13 | 33.62 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 4.00 | 5.24165 | 32.30 | 0.00 | 6.31 | 7.37 | 0.00 | 2.69 | 0.13 | 33.51 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.90 | 5.24445 | 32.30 | 0.00 | 6.32 | 7.36 | 0.00 | 2.69 | 0.13 | 33.40 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.80 | 5.24724 | 32.30 | 0.00 | 6.33 | 7.35 | 0.00 | 2.69 | 0.13 | 33.29 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.70 | 5.25003 | 32.30 | 0.00 | 6.33 | 7.33 | 0.00 | 2.69 | 0.13 | 33.18 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.60 | 5.25283 | 32.30 | 0.00 | 6.34 | 7.32 | 0.00 | 2.68 | 0.13 | 33.07 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.50 | 5.25562 | 32.30 | 0.00 | 6.35 | 7.31 | 0.00 | 2.68 | 0.13 | 32.96 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.40 | 5.25841 | 32.30 | 0.00 | 6.35 | 7.30 | 0.00 | 2.68 | 0.13 | 32.85 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.30 | 5.26121 | 32.30 | 0.00 | 6.36 | 7.29 | 0.00 | 2.68 | 0.13 | 32.74 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.20 | 5.26400 | 32.30 | 0.00 | 6.37 | 7.28 | 0.00 | 2.67 | 0.13 | 32.63 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.10 | 5.26679 | 32.30 | 0.00 | 6.37 | 7.27 | 0.00 | 2.67 | 0.13 | 32.52 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 3.00 | 5.26959 | 32.30 | 0.00 | 6.38 | 7.25 | 0.00 | 2.67 | 0.13 | 32.41 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.90 | 5.27238 | 32.30 | 0.00 | 6.38 | 7.24 | 0.00 | 2.67 | 0.13 | 32.30 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.80 | 5.27517 | 32.30 | 0.00 | 6.39 | 7.23 | 0.00 | 2.66 | 0.13 | 32.19 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.70 | 5.27797 | 32.30 | 0.00 | 6.39 | 7.22 | 0.00 | 2.66 | 0.13 | 32.08 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.60 | 5.28076 | 32.30 | 0.00 | 6.40 | 7.21 | 0.00 | 2.66 | 0.13 | 31.97 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.50 | 5.28355 | 32.30 | 0.00 | 6.40 | 7.20 | 0.00 | 2.66 | 0.13 | 31.86 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.40 | 5.28635 | 32.30 | 0.00 | 6.41 | 7.19 | 0.00 | 2.66 | 0.13 | 31.75 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.30 | 5.28914 | 32.30 | 0.00 | 6.41 | 7.18 | 0.00 | 2.65 | 0.13 | 31.64 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.20 | 5.29193 | 32.30 | 0.00 | 6.41 | 7.17 | 0.00 | 2.65 | 0.13 | 31.53 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.10 | 5.29473 | 32.30 | 0.00 | 6.42 | 7.15 | 0.00 | 2.65 | 0.13 | 31.42 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 2.00 | 5.29752 | 32.30 | 0.00 | 6.42 | 7.14 | 0.00 | 2.65 | 0.13 | 31.32 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.90 | 5.30031 | 32.30 | 0.00 | 6.42 | 7.13 | 0.00 | 2.64 | 0.13 | 31.21 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.80 | 5.30311 | 32.30 | 0.00 | 6.42 | 7.12 | 0.00 | 2.64 | 0.13 | 31.10 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.70 | 5.30590 | 32.30 | 0.00 | 6.43 | 7.11 | 0.00 | 2.64 | 0.13 | 30.99 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.60 | 5.30869 | 32.30 | 0.00 | 6.43 | 7.10 | 0.00 | 2.64 | 0.13 | 30.88 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.50 | 5.31149 | 32.30 | 0.00 | 6.43 | 7.09 | 0.00 | 2.64 | 0.13 | 30.77 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.40 | 5.31428 | 32.30 | 0.00 | 6.43 | 7.08 | 0.00 | 2.63 | 0.13 | 30.66 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.30 | 5.31707 | 32.30 | 0.00 | 6.43 | 7.07 | 0.00 | 2.63 | 0.13 | 30.55 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.20 | 5.31987 | 32.30 | 0.00 | 6.44 | 7.06 | 0.00 | 2.63 | 0.14 | 30.44 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.10 | 5.32266 | 32.30 | 0.00 | 6.44 | 7.05 | 0.00 | 2.63 | 0.14 | 30.33 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 1.00 | 5.32545 | 32.30 | 0.00 | 6.44 | 7.03 | 0.00 | 2.62 | 0.14 | 30.22 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.90 | 5.32825 | 32.30 | 0.00 | 6.44 | 7.02 | 0.00 | 2.62 | 0.14 | 30.11 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 0.80 | 5.33104 | 32.30 | 0.00 | 6.44 | 7.01 | 0.00 | 2.62 | 0.14 | 30.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.70 | 5.33423 | 32.30 | 0.00 | 6.44 | 7.00 | 0.00 | 2.62 | 0.14 | 29.25 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.60 | 5.33741 | 32.30 | 0.00 | 6.44 | 6.99 | 0.00 | 2.61 | 0.14 | 28.50 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.50 | 5.34060 | 32.30 | 0.00 | 6.43 | 6.98 | 0.00 | 2.61 | 0.14 | 27.75 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.40 | 5.34379 | 32.30 | 0.00 | 6.43 | 6.97 | 0.00 | 2.61 | 0.14 | 27.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.30 | 5.34698 | 32.30 | 0.00 | 6.42 | 6.96 | 0.00 | 2.61 | 0.14 | 26.25 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.20 | 5.35016 | 32.30 | 0.00 | 6.42 | 6.95 | 0.00 | 2.61 | 0.14 | 25.50 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.10 | 5.35335 | 32.30 | 0.00 | 6.41 | 6.94 | 0.00 | 2.60 | 0.14 | 24.75 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |
| 0.00 | 5.35654 | 32.30 | 0.00 | 6.39 | 6.98 | 0.00 | 2.59 | 0.14 | 24.00 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 | | | | | | | | |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | ADVEC NH3 | MEAN CHLA | DO DISP | REAER DEPTH | BOD1 WIDTH | BOD1 VELO | BOD2 VELO | BOD2 SAT | NH3 RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| | | | HDWTR | 17.387 | 30.0 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.0 | | | | | | | | | | | | | |
| 1 | 1 | 1 | 35.00 | 17.381 | 31.2 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.2 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 2 | 1 | 1 | 34.90 | 17.375 | 31.2 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.3 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.07 |
| 3 | 1 | 1 | 34.80 | 17.368 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.5 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.733 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 4 | 1 | 1 | 34.70 | 17.362 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.6 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.08 |
| 5 | 1 | 1 | 34.60 | 17.356 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.8 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.09 |
| 6 | 1 | 1 | 34.50 | 17.350 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 70.9 | 0.6 | 1.00 | 135.0 | 0.129 | 0.129 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 7 | 1 | 1 | 34.40 | 17.344 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.734 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.10 |
| 8 | 1 | 1 | 34.30 | 17.338 | 31.3 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 9 | 1 | 1 | 34.20 | 17.332 | 31.4 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.4 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.11 |
| 10 | 1 | 1 | 34.10 | 17.326 | 31.4 | 0.0 | 6.2 | 16.1 | 0.0 | 1.6 | 0.1 | 71.5 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.12 |
| 11 | 1 | 1 | 34.00 | 17.320 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 71.7 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.35 | 5.13 |
| 12 | 1 | 1 | 33.90 | 17.314 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 71.8 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.735 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.13 |
| 13 | 1 | 1 | 33.80 | 17.308 | 31.4 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.0 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 14 | 1 | 1 | 33.70 | 17.302 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.14 |
| 15 | 1 | 1 | 33.60 | 17.296 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.3 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 16 | 1 | 1 | 33.50 | 17.290 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.4 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.736 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.15 |
| 17 | 1 | 1 | 33.40 | 17.284 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.6 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.16 |
| 18 | 1 | 1 | 33.30 | 17.278 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.7 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 19 | 1 | 1 | 33.20 | 17.272 | 31.5 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 72.9 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.17 |
| 20 | 1 | 1 | 33.10 | 17.265 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.0 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.737 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 21 | 1 | 1 | 33.00 | 17.259 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.18 |
| 22 | 1 | 1 | 32.90 | 17.253 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.3 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.19 |
| 23 | 1 | 1 | 32.80 | 17.247 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.5 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.4 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 24 | 1 | 1 | 32.70 | 17.241 | 31.6 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.6 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.20 |
| 25 | 1 | 1 | 32.60 | 17.235 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.8 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.738 | 0.20 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 26 | 1 | 1 | 32.50 | 17.229 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 73.9 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.21 |
| 27 | 1 | 1 | 32.40 | 17.223 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.1 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.22 |
| 28 | 1 | 1 | 32.30 | 17.217 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.2 | 0.6 | 1.00 | 135.0 | 0.128 | 0.128 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 29 | 1 | 1 | 32.20 | 17.211 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.4 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.739 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.23 |
| 30 | 1 | 1 | 32.10 | 17.205 | 31.7 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.5 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 31 | 1 | 1 | 32.00 | 17.199 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.7 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.24 |
| 32 | 1 | 1 | 31.90 | 17.193 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 74.8 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.25 |
| 33 | 1 | 1 | 31.80 | 17.187 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 75.0 | 0.6 | 1.00 | 135.0 | 0.127 | 0.127 | 7.3 | 1.740 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.26 |
| 34 | 2 | 2 | 31.70 | 17.185 | 31.8 | 0.0 | 6.1 | 16.1 | 0.0 | 1.6 | 0.1 | 75.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 35 | 2 | 2 | 31.60 | 17.184 | 31.8 | 0.0 | 6.1 | 16.2 | 0.0 | 1.6 | 0.1 | 75.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 36 | 2 | 2 | 31.50 | 17.182 | 31.8 | 0.0 | 6.1 | 16.2 | 0.0 | 1.6 | 0.1 | 75.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 37 | 2 | 2 | 31.40 | 17.180 | 31.8 | 0.0 | 6.1 | 16.3 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 2 | 2 | 31.30 | 17.179 | 31.8 | 0.0 | 6.1 | 16.3 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.928 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 39 | 2 | 2 | 31.20 | 17.177 | 31.8 | 0.0 | 6.1 | 16.4 | 0.0 | 1.6 | 0.1 | 75.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 40 | 2 | 2 | 31.10 | 17.176 | 31.8 | 0.0 | 6.0 | 16.5 | 0.0 | 1.6 | 0.1 | 75.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 41 | 2 | 2 | 31.00 | 17.174 | 31.8 | 0.0 | 6.0 | 16.5 | 0.0 | 1.6 | 0.1 | 75.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 42 | 2 | 2 | 30.90 | 17.172 | 31.8 | 0.0 | 6.0 | 16.6 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 43 | 2 | 2 | 30.80 | 17.171 | 31.8 | 0.0 | 6.0 | 16.6 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 44 | 2 | 2 | 30.70 | 17.169 | 31.8 | 0.0 | 6.0 | 16.7 | 0.0 | 1.6 | 0.1 | 75.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 45 | 2 | 2 | 30.60 | 17.168 | 31.8 | 0.0 | 6.0 | 16.7 | 0.0 | 1.6 | 0.1 | 75.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.37 | 5.68 |
| 46 | 2 | 2 | 30.50 | 17.166 | 31.8 | 0.0 | 6.0 | 16.8 | 0.0 | 1.6 | 0.1 | 75.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 47 | 2 | 2 | 30.40 | 17.165 | 31.8 | 0.0 | 6.0 | 16.8 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 48 | 2 | 2 | 30.30 | 17.163 | 31.8 | 0.0 | 6.0 | 16.9 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 49 | 2 | 2 | 30.20 | 17.161 | 31.8 | 0.0 | 6.0 | 16.9 | 0.0 | 1.6 | 0.1 | 75.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.927 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 50 | 2 | 2 | 30.10 | 17.160 | 31.8 | 0.0 | 6.0 | 17.0 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 51 | 2 | 2 | 30.00 | 17.158 | 31.8 | 0.0 | 6.0 | 17.0 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 52 | 2 | 2 | 29.90 | 17.157 | 31.8 | 0.0 | 6.0 | 17.1 | 0.0 | 1.6 | 0.1 | 75.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 53 | 2 | 2 | 29.80 | 17.155 | 31.8 | 0.0 | 6.0 | 17.1 | 0.0 | 1.6 | 0.1 | 75.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 54 | 2 | 2 | 29.70 | 17.154 | 31.8 | 0.0 | 6.0 | 17.2 | 0.0 | 1.6 | 0.1 | 75.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 55 | 2 | 2 | 29.60 | 17.152 | 31.8 | 0.0 | 6.0 | 17.2 | 0.0 | 1.6 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 56 | 2 | 2 | 29.50 | 17.150 | 31.8 | 0.0 | 6.0 | 17.3 | 0.0 | 1.7 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 57 | 2 | 2 | 29.40 | 17.149 | 31.8 | 0.0 | 6.0 | 17.3 | 0.0 | 1.7 | 0.1 | 75.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 58 | 2 | 2 | 29.30 | 17.147 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 59 | 2 | 2 | 29.20 | 17.146 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 60 | 2 | 2 | 29.10 | 17.144 | 31.8 | 0.0 | 6.0 | 17.4 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.926 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 61 | 2 | 2 | 29.00 | 17.143 | 31.8 | 0.0 | 6.0 | 17.5 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 62 | 2 | 2 | 28.90 | 17.141 | 31.8 | 0.0 | 6.0 | 17.5 | 0.0 | 1.7 | 0.1 | 76.1 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 63 | 2 | 2 | 28.80 | 17.139 | 31.8 | 0.0 | 5.9 | 17.6 | 0.0 | 1.7 | 0.1 | 76.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 64 | 2 | 2 | 28.70 | 17.138 | 31.8 | 0.0 | 5.9 | 17.6 | 0.0 | 1.7 | 0.1 | 76.2 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 65 | 2 | 2 | 28.60 | 17.136 | 31.8 | 0.0 | 5.9 | 17.7 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 66 | 2 | 2 | 28.50 | 17.135 | 31.8 | 0.0 | 5.9 | 17.7 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 67 | 2 | 2 | 28.40 | 17.133 | 31.8 | 0.0 | 5.9 | 17.8 | 0.0 | 1.7 | 0.1 | 76.3 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 68 | 2 | 2 | 28.30 | 17.132 | 31.8 | 0.0 | 5.9 | 17.8 | 0.0 | 1.7 | 0.1 | 76.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 69 | 2 | 2 | 28.20 | 17.130 | 31.8 | 0.0 | 5.9 | 17.9 | 0.0 | 1.7 | 0.1 | 76.4 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 70 | 2 | 2 | 28.10 | 17.128 | 31.8 | 0.0 | 5.9 | 17.9 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 71 | 2 | 2 | 28.00 | 17.127 | 31.8 | 0.0 | 5.9 | 18.0 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 72 | 2 | 2 | 27.90 | 17.125 | 31.8 | 0.0 | 5.9 | 18.0 | 0.0 | 1.7 | 0.1 | 76.5 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.925 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 73 | 2 | 2 | 27.80 | 17.124 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 74 | 2 | 2 | 27.70 | 17.122 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.6 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 75 | 2 | 2 | 27.60 | 17.121 | 31.8 | 0.0 | 5.9 | 18.1 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 76 | 2 | 2 | 27.50 | 17.119 | 31.8 | 0.0 | 5.9 | 18.2 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 77 | 2 | 2 | 27.40 | 17.117 | 31.8 | 0.0 | 5.9 | 18.2 | 0.0 | 1.7 | 0.1 | 76.7 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 78 | 2 | 2 | 27.30 | 17.116 | 31.8 | 0.0 | 5.9 | 18.3 | 0.0 | 1.7 | 0.1 | 76.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 79 | 2 | 2 | 27.20 | 17.114 | 31.8 | 0.0 | 5.9 | 18.3 | 0.0 | 1.7 | 0.1 | 76.8 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 80 | 2 | 2 | 27.10 | 17.113 | 31.8 | 0.0 | 5.9 | 18.4 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 81 | 2 | 2 | 27.00 | 17.111 | 31.8 | 0.0 | 5.9 | 18.4 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 82 | 2 | 2 | 26.90 | 17.109 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 76.9 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 83 | 2 | 2 | 26.80 | 17.108 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.924 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 2 | 2 | 26.70 | 17.106 | 31.8 | 0.0 | 5.9 | 18.5 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.156 | 0.156 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 85 | 2 | 2 | 26.60 | 17.105 | 31.8 | 0.0 | 5.9 | 18.6 | 0.0 | 1.7 | 0.1 | 77.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 86 | 2 | 2 | 26.50 | 17.103 | 31.8 | 0.0 | 5.9 | 18.6 | 0.0 | 1.7 | 0.1 | 77.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 87 | 2 | 2 | 26.40 | 17.102 | 31.8 | 0.0 | 5.9 | 18.7 | 0.0 | 1.7 | 0.1 | 77.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 88 | 2 | 2 | 26.30 | 17.100 | 31.8 | 0.0 | 5.9 | 18.7 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 89 | 2 | 2 | 26.20 | 17.098 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 90 | 2 | 2 | 26.10 | 17.097 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.7 | 0.1 | 77.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 91 | 2 | 2 | 26.00 | 17.095 | 31.8 | 0.0 | 5.8 | 18.8 | 0.0 | 1.8 | 0.1 | 77.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 92 | 2 | 2 | 25.90 | 17.094 | 31.8 | 0.0 | 5.8 | 18.9 | 0.0 | 1.8 | 0.1 | 77.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 93 | 2 | 2 | 25.80 | 17.092 | 31.8 | 0.0 | 5.8 | 18.9 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 94 | 2 | 2 | 25.70 | 17.091 | 31.8 | 0.0 | 5.8 | 19.0 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.923 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 95 | 2 | 2 | 25.60 | 17.089 | 31.8 | 0.0 | 5.8 | 19.0 | 0.0 | 1.8 | 0.1 | 77.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 96 | 2 | 2 | 25.50 | 17.087 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 97 | 2 | 2 | 25.40 | 17.086 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 98 | 2 | 2 | 25.30 | 17.084 | 31.8 | 0.0 | 5.8 | 19.1 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 99 | 2 | 2 | 25.20 | 17.083 | 31.8 | 0.0 | 5.8 | 19.2 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 100 | 2 | 2 | 25.10 | 17.081 | 31.8 | 0.0 | 5.8 | 19.2 | 0.0 | 1.8 | 0.1 | 77.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 101 | 2 | 2 | 25.00 | 17.080 | 31.8 | 0.0 | 5.8 | 19.3 | 0.0 | 1.8 | 0.1 | 77.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 102 | 2 | 2 | 24.90 | 17.078 | 31.8 | 0.0 | 5.8 | 19.3 | 0.0 | 1.8 | 0.1 | 77.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 103 | 2 | 2 | 24.80 | 17.076 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 104 | 2 | 2 | 24.70 | 17.075 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 105 | 2 | 2 | 24.60 | 17.073 | 31.8 | 0.0 | 5.8 | 19.4 | 0.0 | 1.8 | 0.1 | 77.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 106 | 2 | 2 | 24.50 | 17.072 | 31.8 | 0.0 | 5.8 | 19.5 | 0.0 | 1.8 | 0.1 | 77.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.922 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 107 | 2 | 2 | 24.40 | 17.070 | 31.8 | 0.0 | 5.8 | 19.5 | 0.0 | 1.8 | 0.1 | 77.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 108 | 2 | 2 | 24.30 | 17.069 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 109 | 2 | 2 | 24.20 | 17.067 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 110 | 2 | 2 | 24.10 | 17.065 | 31.8 | 0.0 | 5.8 | 19.6 | 0.0 | 1.8 | 0.1 | 78.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 111 | 2 | 2 | 24.00 | 17.064 | 31.8 | 0.0 | 5.8 | 19.7 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 112 | 2 | 2 | 23.90 | 17.062 | 31.8 | 0.0 | 5.8 | 19.7 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 113 | 2 | 2 | 23.80 | 17.061 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 114 | 2 | 2 | 23.70 | 17.059 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 115 | 2 | 2 | 23.60 | 17.057 | 31.8 | 0.0 | 5.8 | 19.8 | 0.0 | 1.8 | 0.1 | 78.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 116 | 2 | 2 | 23.50 | 17.056 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 117 | 2 | 2 | 23.40 | 17.054 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.921 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 118 | 2 | 2 | 23.30 | 17.053 | 31.8 | 0.0 | 5.8 | 19.9 | 0.0 | 1.8 | 0.1 | 78.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 119 | 2 | 2 | 23.20 | 17.051 | 31.8 | 0.0 | 5.7 | 20.0 | 0.0 | 1.8 | 0.1 | 78.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 120 | 2 | 2 | 23.10 | 17.050 | 31.8 | 0.0 | 5.7 | 20.0 | 0.0 | 1.8 | 0.1 | 78.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 121 | 2 | 2 | 23.00 | 17.048 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 122 | 2 | 2 | 22.90 | 17.046 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 123 | 2 | 2 | 22.80 | 17.045 | 31.8 | 0.0 | 5.7 | 20.1 | 0.0 | 1.8 | 0.1 | 78.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 124 | 2 | 2 | 22.70 | 17.043 | 31.8 | 0.0 | 5.7 | 20.2 | 0.0 | 1.8 | 0.1 | 78.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 125 | 2 | 2 | 22.60 | 17.042 | 31.8 | 0.0 | 5.7 | 20.2 | 0.0 | 1.8 | 0.1 | 78.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 126 | 2 | 2 | 22.50 | 17.040 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.8 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 127 | 2 | 2 | 22.40 | 17.039 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.8 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 128 | 2 | 2 | 22.30 | 17.037 | 31.8 | 0.0 | 5.7 | 20.3 | 0.0 | 1.9 | 0.1 | 78.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.920 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 129 | 2 | 2 | 22.20 | 17.035 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 130 | 2 | 2 | 22.10 | 17.034 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 131 | 2 | 2 | 22.00 | 17.032 | 31.8 | 0.0 | 5.7 | 20.4 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 132 | 2 | 2 | 21.90 | 17.031 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 133 | 2 | 2 | 21.80 | 17.029 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 78.9 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | 2 | 2 | 21.70 | 17.028 | 31.8 | 0.0 | 5.7 | 20.5 | 0.0 | 1.9 | 0.1 | 79.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 135 | 2 | 2 | 21.60 | 17.026 | 31.8 | 0.0 | 5.7 | 20.6 | 0.0 | 1.9 | 0.1 | 79.0 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 136 | 2 | 2 | 21.50 | 17.024 | 31.8 | 0.0 | 5.7 | 20.6 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 137 | 2 | 2 | 21.40 | 17.023 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 138 | 2 | 2 | 21.30 | 17.021 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.1 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 139 | 2 | 2 | 21.20 | 17.020 | 31.8 | 0.0 | 5.7 | 20.7 | 0.0 | 1.9 | 0.1 | 79.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.919 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 140 | 2 | 2 | 21.10 | 17.018 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.2 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 141 | 2 | 2 | 21.00 | 17.017 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 142 | 2 | 2 | 20.90 | 17.015 | 31.8 | 0.0 | 5.7 | 20.8 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 143 | 2 | 2 | 20.80 | 17.013 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.3 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 144 | 2 | 2 | 20.70 | 17.012 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 145 | 2 | 2 | 20.60 | 17.010 | 31.8 | 0.0 | 5.7 | 20.9 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 146 | 2 | 2 | 20.50 | 17.009 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.4 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 147 | 2 | 2 | 20.40 | 17.007 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | BOD2 SETT | NH3 DECA | NH3 SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 148 | 2 | 2 | 20.30 | 17.005 | 31.8 | 0.0 | 5.7 | 21.0 | 0.0 | 1.9 | 0.1 | 79.5 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 149 | 2 | 2 | 20.20 | 17.004 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 150 | 2 | 2 | 20.10 | 17.002 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 151 | 2 | 2 | 20.00 | 17.001 | 31.8 | 0.0 | 5.7 | 21.1 | 0.0 | 1.9 | 0.1 | 79.6 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.918 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 152 | 2 | 2 | 19.90 | 16.999 | 31.8 | 0.0 | 5.7 | 21.2 | 0.0 | 1.9 | 0.1 | 79.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 153 | 2 | 2 | 19.80 | 16.998 | 31.8 | 0.0 | 5.7 | 21.2 | 0.0 | 1.9 | 0.1 | 79.7 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 154 | 2 | 2 | 19.70 | 16.996 | 31.8 | 0.0 | 5.6 | 21.2 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.155 | 0.155 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 155 | 2 | 2 | 19.60 | 16.994 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 156 | 2 | 2 | 19.50 | 16.993 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.8 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 157 | 2 | 2 | 19.40 | 16.991 | 31.8 | 0.0 | 5.6 | 21.3 | 0.0 | 1.9 | 0.1 | 79.9 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 158 | 2 | 2 | 19.30 | 16.990 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 79.9 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 159 | 2 | 2 | 19.20 | 16.988 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 80.0 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| 160 | 2 | 2 | 19.10 | 16.987 | 31.8 | 0.0 | 5.6 | 21.4 | 0.0 | 1.9 | 0.1 | 80.0 | 0.5 | 1.00 | 110.0 | 0.154 | 0.154 | 7.3 | 1.917 | 0.21 | 0.00 | 0.00 | 0.00 | 0.36 | 5.68 |
| DIVERSION # 161 (TRIB 1 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 161 | 3 | 3 | 19.00 | 13.226 | 31.8 | 0.0 | 5.7 | 21.4 | 0.0 | 1.9 | 0.1 | 79.6 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 162 | 3 | 3 | 18.90 | 13.222 | 31.8 | 0.0 | 5.7 | 21.4 | 0.0 | 1.9 | 0.1 | 79.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 163 | 3 | 3 | 18.80 | 13.218 | 31.8 | 0.0 | 5.8 | 21.3 | 0.0 | 1.9 | 0.1 | 78.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 164 | 3 | 3 | 18.70 | 13.214 | 31.8 | 0.0 | 5.8 | 21.3 | 0.0 | 1.9 | 0.1 | 78.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 165 | 3 | 3 | 18.60 | 13.211 | 31.8 | 0.0 | 5.9 | 21.3 | 0.0 | 1.9 | 0.1 | 78.1 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 166 | 3 | 3 | 18.50 | 13.207 | 31.8 | 0.0 | 5.9 | 21.2 | 0.0 | 1.9 | 0.1 | 77.7 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 167 | 3 | 3 | 18.40 | 13.203 | 31.8 | 0.0 | 6.0 | 21.2 | 0.0 | 1.9 | 0.1 | 77.3 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 168 | 3 | 3 | 18.30 | 13.199 | 31.8 | 0.0 | 6.0 | 21.2 | 0.0 | 1.9 | 0.1 | 76.9 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.598 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 169 | 3 | 3 | 18.20 | 13.195 | 31.8 | 0.0 | 6.1 | 21.1 | 0.0 | 1.9 | 0.1 | 76.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 170 | 3 | 3 | 18.10 | 13.191 | 31.8 | 0.0 | 6.1 | 21.1 | 0.0 | 1.9 | 0.1 | 76.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 171 | 3 | 3 | 18.00 | 13.187 | 31.8 | 0.0 | 6.2 | 21.1 | 0.0 | 1.9 | 0.1 | 75.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 172 | 3 | 3 | 17.90 | 13.184 | 31.8 | 0.0 | 6.2 | 21.0 | 0.0 | 1.9 | 0.1 | 75.4 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 173 | 3 | 3 | 17.80 | 13.180 | 31.8 | 0.0 | 6.3 | 21.0 | 0.0 | 1.9 | 0.1 | 75.0 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 174 | 3 | 3 | 17.70 | 13.176 | 31.8 | 0.0 | 6.3 | 21.0 | 0.0 | 1.9 | 0.1 | 74.6 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 175 | 3 | 3 | 17.60 | 13.172 | 31.8 | 0.0 | 6.4 | 20.9 | 0.0 | 1.9 | 0.1 | 74.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 176 | 3 | 3 | 17.50 | 13.168 | 31.8 | 0.0 | 6.4 | 20.9 | 0.0 | 1.9 | 0.1 | 73.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 177 | 3 | 3 | 17.40 | 13.164 | 31.8 | 0.0 | 6.5 | 20.9 | 0.0 | 1.9 | 0.1 | 73.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 178 | 3 | 3 | 17.30 | 13.161 | 31.8 | 0.0 | 6.5 | 20.8 | 0.0 | 1.9 | 0.1 | 73.1 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 179 | 3 | 3 | 17.20 | 13.157 | 31.8 | 0.0 | 6.5 | 20.8 | 0.0 | 1.9 | 0.1 | 72.7 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 180 | 3 | 3 | 17.10 | 13.153 | 31.8 | 0.0 | 6.6 | 20.8 | 0.0 | 1.9 | 0.1 | 72.3 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.597 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 181 | 3 | 3 | 17.00 | 13.149 | 31.8 | 0.0 | 6.6 | 20.7 | 0.0 | 1.9 | 0.1 | 71.9 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 182 | 3 | 3 | 16.90 | 13.145 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 71.5 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 183 | 3 | 3 | 16.80 | 13.141 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 71.2 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 184 | 3 | 3 | 16.70 | 13.137 | 31.8 | 0.0 | 6.7 | 20.7 | 0.0 | 1.9 | 0.1 | 70.8 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 185 | 3 | 3 | 16.60 | 13.134 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 70.4 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 186 | 3 | 3 | 16.50 | 13.130 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 70.0 | 0.4 | 1.77 | 90.0 | 0.083 | 0.083 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 187 | 3 | 3 | 16.40 | 13.126 | 31.8 | 0.0 | 6.8 | 20.6 | 0.0 | 1.9 | 0.1 | 69.6 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 188 | 3 | 3 | 16.30 | 13.122 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 69.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 189 | 3 | 3 | 16.20 | 13.118 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 68.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 190 | 3 | 3 | 16.10 | 13.114 | 31.8 | 0.0 | 6.9 | 20.5 | 0.0 | 1.9 | 0.1 | 68.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 191 | 3 | 3 | 16.00 | 13.111 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 68.1 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.596 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 192 | 3 | 3 | 15.90 | 13.107 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 67.7 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 193 | 3 | 3 | 15.80 | 13.103 | 31.8 | 0.0 | 7.0 | 20.4 | 0.0 | 1.9 | 0.1 | 67.3 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 194 | 3 | 3 | 15.70 | 13.099 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.9 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 195 | 3 | 3 | 15.60 | 13.095 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 196 | 3 | 3 | 15.50 | 13.091 | 31.8 | 0.0 | 7.1 | 20.3 | 0.0 | 1.9 | 0.1 | 66.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 197 | 3 | 3 | 15.40 | 13.087 | 31.8 | 0.0 | 7.1 | 20.2 | 0.0 | 1.9 | 0.1 | 65.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 198 | 3 | 3 | 15.30 | 13.084 | 31.8 | 0.0 | 7.2 | 20.2 | 0.0 | 1.9 | 0.1 | 65.4 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 199 | 3 | 3 | 15.20 | 13.080 | 31.8 | 0.0 | 7.2 | 20.2 | 0.0 | 1.9 | 0.1 | 65.0 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 200 | 3 | 3 | 15.10 | 13.076 | 31.8 | 0.0 | 7.2 | 20.1 | 0.0 | 1.9 | 0.1 | 64.6 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 201 | 3 | 3 | 15.00 | 13.072 | 31.8 | 0.0 | 7.2 | 20.1 | 0.0 | 1.9 | 0.1 | 64.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 202 | 3 | 3 | 14.90 | 13.068 | 31.8 | 0.0 | 7.3 | 20.1 | 0.0 | 1.9 | 0.1 | 63.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 203 | 3 | 3 | 14.80 | 13.064 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 63.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.595 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 204 | 3 | 3 | 14.70 | 13.061 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 63.1 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 205 | 3 | 3 | 14.60 | 13.057 | 31.8 | 0.0 | 7.3 | 20.0 | 0.0 | 1.9 | 0.1 | 62.7 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 206 | 3 | 3 | 14.50 | 13.053 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 62.3 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 207 | 3 | 3 | 14.40 | 13.049 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.9 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 208 | 3 | 3 | 14.30 | 13.045 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.5 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 209 | 3 | 3 | 14.20 | 13.041 | 31.8 | 0.0 | 7.4 | 19.9 | 0.0 | 1.9 | 0.1 | 61.2 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 210 | 3 | 3 | 14.10 | 13.037 | 31.8 | 0.0 | 7.4 | 19.8 | 0.0 | 1.9 | 0.1 | 60.8 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 211 | 3 | 3 | 14.00 | 13.034 | 31.8 | 0.0 | 7.5 | 19.8 | 0.0 | 1.9 | 0.1 | 60.4 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 212 | 3 | 3 | 13.90 | 13.030 | 31.8 | 0.0 | 7.5 | 19.7 | 0.0 | 1.9 | 0.1 | 60.0 | 0.4 | 1.77 | 90.0 | 0.082 | 0.082 | 7.3 | 0.594 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| WASTELOAD # 213 (TRIB 2 INFLOW) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | 4 | 4 | 13.80 | 14.724 | 31.8 | 0.0 | 7.2 | 17.8 | 0.0 | 1.9 | 0.1 | 59.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 214 | 4 | 4 | 13.70 | 14.719 | 31.8 | 0.0 | 7.3 | 17.8 | 0.0 | 1.9 | 0.1 | 59.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 215 | 4 | 4 | 13.60 | 14.714 | 31.8 | 0.0 | 7.3 | 17.8 | 0.0 | 1.9 | 0.1 | 58.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 216 | 4 | 4 | 13.50 | 14.709 | 31.8 | 0.0 | 7.3 | 17.7 | 0.0 | 1.9 | 0.1 | 58.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 217 | 4 | 4 | 13.40 | 14.704 | 31.8 | 0.0 | 7.3 | 17.7 | 0.0 | 1.9 | 0.1 | 57.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 218 | 4 | 4 | 13.30 | 14.699 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 57.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 219 | 4 | 4 | 13.20 | 14.694 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 56.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | BOD2 SETT | NH3 DECA | NH3 SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 220 | 4 | 4 | 13.10 | 14.689 | 31.8 | 0.0 | 7.4 | 17.6 | 0.0 | 1.9 | 0.1 | 56.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 221 | 4 | 4 | 13.00 | 14.684 | 31.8 | 0.0 | 7.5 | 17.5 | 0.0 | 1.9 | 0.1 | 55.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 222 | 4 | 4 | 12.90 | 14.679 | 31.8 | 0.0 | 7.5 | 17.5 | 0.0 | 1.9 | 0.1 | 55.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 223 | 4 | 4 | 12.80 | 14.674 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 54.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 224 | 4 | 4 | 12.70 | 14.669 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 54.0 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 225 | 4 | 4 | 12.60 | 14.664 | 31.8 | 0.0 | 7.5 | 17.4 | 0.0 | 1.9 | 0.1 | 53.5 | 0.3 | 1.77 | 155.0 | 0.054 | 0.054 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 226 | 4 | 4 | 12.50 | 14.659 | 31.8 | 0.0 | 7.6 | 17.3 | 0.0 | 1.9 | 0.1 | 53.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 227 | 4 | 4 | 12.40 | 14.654 | 31.8 | 0.0 | 7.6 | 17.3 | 0.0 | 1.9 | 0.1 | 52.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 228 | 4 | 4 | 12.30 | 14.649 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 52.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 229 | 4 | 4 | 12.20 | 14.644 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 51.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 230 | 4 | 4 | 12.10 | 14.639 | 31.8 | 0.0 | 7.6 | 17.2 | 0.0 | 1.9 | 0.1 | 51.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 231 | 4 | 4 | 12.00 | 14.634 | 31.8 | 0.0 | 7.6 | 17.1 | 0.0 | 1.9 | 0.1 | 50.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 232 | 4 | 4 | 11.90 | 14.629 | 31.8 | 0.0 | 7.7 | 17.1 | 0.0 | 1.9 | 0.1 | 50.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 233 | 4 | 4 | 11.80 | 14.624 | 31.8 | 0.0 | 7.7 | 17.1 | 0.0 | 1.9 | 0.1 | 49.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 234 | 4 | 4 | 11.70 | 14.619 | 31.8 | 0.0 | 7.7 | 17.0 | 0.0 | 1.9 | 0.1 | 49.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 235 | 4 | 4 | 11.60 | 14.614 | 31.8 | 0.0 | 7.7 | 17.0 | 0.0 | 1.9 | 0.1 | 48.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 236 | 4 | 4 | 11.50 | 14.609 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 48.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 237 | 4 | 4 | 11.40 | 14.604 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 47.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 238 | 4 | 4 | 11.30 | 14.599 | 31.8 | 0.0 | 7.7 | 16.9 | 0.0 | 1.8 | 0.1 | 47.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 239 | 4 | 4 | 11.20 | 14.594 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 46.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 240 | 4 | 4 | 11.10 | 14.589 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 46.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 241 | 4 | 4 | 11.00 | 14.584 | 31.8 | 0.0 | 7.7 | 16.8 | 0.0 | 1.8 | 0.1 | 45.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 242 | 4 | 4 | 10.90 | 14.579 | 31.8 | 0.0 | 7.7 | 16.7 | 0.0 | 1.8 | 0.1 | 45.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 243 | 4 | 4 | 10.80 | 14.574 | 31.8 | 0.0 | 7.7 | 16.7 | 0.0 | 1.8 | 0.1 | 44.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 244 | 4 | 4 | 10.70 | 14.569 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 44.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 245 | 4 | 4 | 10.60 | 14.564 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 43.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 246 | 4 | 4 | 10.50 | 14.559 | 31.8 | 0.0 | 7.7 | 16.6 | 0.0 | 1.8 | 0.1 | 43.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 247 | 4 | 4 | 10.40 | 14.554 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 42.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 248 | 4 | 4 | 10.30 | 14.549 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 42.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 249 | 4 | 4 | 10.20 | 14.544 | 31.8 | 0.0 | 7.7 | 16.5 | 0.0 | 1.8 | 0.1 | 41.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 250 | 4 | 4 | 10.10 | 14.539 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 41.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 251 | 4 | 4 | 10.00 | 14.534 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 40.5 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 252 | 4 | 4 | 9.90 | 14.529 | 31.8 | 0.0 | 7.7 | 16.4 | 0.0 | 1.8 | 0.1 | 40.0 | 0.3 | 1.77 | 155.0 | 0.053 | 0.053 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| DIVERSION # 253 (TRIB 3 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 253 | 5 | 5 | 9.80 | 5.314 | 31.8 | 0.0 | 7.7 | 16.3 | 0.0 | 1.8 | 0.1 | 39.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 254 | 5 | 5 | 9.70 | 5.311 | 31.8 | 0.0 | 7.7 | 16.3 | 0.0 | 1.8 | 0.1 | 39.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 255 | 5 | 5 | 9.60 | 5.308 | 31.8 | 0.0 | 7.7 | 16.2 | 0.0 | 1.8 | 0.1 | 39.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 256 | 5 | 5 | 9.50 | 5.305 | 31.8 | 0.0 | 7.7 | 16.2 | 0.0 | 1.8 | 0.1 | 39.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 257 | 5 | 5 | 9.40 | 5.301 | 31.8 | 0.0 | 7.7 | 16.1 | 0.0 | 1.8 | 0.1 | 38.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 258 | 5 | 5 | 9.30 | 5.298 | 31.8 | 0.0 | 7.7 | 16.0 | 0.0 | 1.8 | 0.1 | 38.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 259 | 5 | 5 | 9.20 | 5.295 | 31.8 | 0.0 | 7.7 | 16.0 | 0.0 | 1.8 | 0.1 | 38.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 260 | 5 | 5 | 9.10 | 5.292 | 31.8 | 0.0 | 7.6 | 15.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 261 | 5 | 5 | 9.00 | 5.289 | 31.8 | 0.0 | 7.6 | 15.9 | 0.0 | 1.8 | 0.1 | 37.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 262 | 5 | 5 | 8.90 | 5.286 | 31.8 | 0.0 | 7.6 | 15.8 | 0.0 | 1.8 | 0.1 | 37.5 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 263 | 5 | 5 | 8.80 | 5.282 | 31.8 | 0.0 | 7.6 | 15.8 | 0.0 | 1.8 | 0.1 | 37.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 264 | 5 | 5 | 8.70 | 5.279 | 31.8 | 0.0 | 7.6 | 15.7 | 0.0 | 1.8 | 0.1 | 37.0 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 265 | 5 | 5 | 8.60 | 5.276 | 31.8 | 0.0 | 7.6 | 15.7 | 0.0 | 1.8 | 0.1 | 36.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 266 | 5 | 5 | 8.50 | 5.273 | 31.8 | 0.0 | 7.6 | 15.6 | 0.0 | 1.8 | 0.1 | 36.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 267 | 5 | 5 | 8.40 | 5.270 | 31.8 | 0.0 | 7.5 | 15.5 | 0.0 | 1.8 | 0.1 | 36.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 268 | 5 | 5 | 8.30 | 5.267 | 31.8 | 0.0 | 7.5 | 15.5 | 0.0 | 1.8 | 0.1 | 35.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 269 | 5 | 5 | 8.20 | 5.263 | 31.8 | 0.0 | 7.5 | 15.4 | 0.0 | 1.8 | 0.1 | 35.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 270 | 5 | 5 | 8.10 | 5.260 | 31.8 | 0.0 | 7.5 | 15.4 | 0.0 | 1.8 | 0.1 | 35.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 271 | 5 | 5 | 8.00 | 5.257 | 31.8 | 0.0 | 7.5 | 15.3 | 0.0 | 1.8 | 0.1 | 35.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 272 | 5 | 5 | 7.90 | 5.254 | 31.8 | 0.0 | 7.5 | 15.3 | 0.0 | 1.8 | 0.1 | 34.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 273 | 5 | 5 | 7.80 | 5.251 | 31.8 | 0.0 | 7.5 | 15.2 | 0.0 | 1.8 | 0.1 | 34.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 274 | 5 | 5 | 7.70 | 5.247 | 31.8 | 0.0 | 7.4 | 15.2 | 0.0 | 1.8 | 0.1 | 34.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 275 | 5 | 5 | 7.60 | 5.244 | 31.8 | 0.0 | 7.4 | 15.1 | 0.0 | 1.8 | 0.1 | 34.2 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 276 | 5 | 5 | 7.50 | 5.241 | 31.8 | 0.0 | 7.4 | 15.1 | 0.0 | 1.8 | 0.1 | 33.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 277 | 5 | 5 | 7.40 | 5.238 | 31.8 | 0.0 | 7.4 | 15.0 | 0.0 | 1.8 | 0.1 | 33.7 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 278 | 5 | 5 | 7.30 | 5.235 | 31.8 | 0.0 | 7.4 | 15.0 | 0.0 | 1.8 | 0.1 | 33.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 279 | 5 | 5 | 7.20 | 5.232 | 31.8 | 0.0 | 7.4 | 14.9 | 0.0 | 1.8 | 0.1 | 33.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 280 | 5 | 5 | 7.10 | 5.228 | 31.8 | 0.0 | 7.3 | 14.8 | 0.0 | 1.8 | 0.1 | 32.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 281 | 5 | 5 | 7.00 | 5.225 | 31.8 | 0.0 | 7.3 | 14.8 | 0.0 | 1.8 | 0.1 | 32.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 282 | 5 | 5 | 6.90 | 5.222 | 31.8 | 0.0 | 7.3 | 14.7 | 0.0 | 1.8 | 0.1 | 32.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 283 | 5 | 5 | 6.80 | 5.219 | 31.8 | 0.0 | 7.3 | 14.7 | 0.0 | 1.8 | 0.1 | 32.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 284 | 5 | 5 | 6.70 | 5.216 | 31.8 | 0.0 | 7.3 | 14.6 | 0.0 | 1.8 | 0.1 | 31.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 285 | 5 | 5 | 6.60 | 5.213 | 31.8 | 0.0 | 7.2 | 14.6 | 0.0 | 1.8 | 0.1 | 31.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 286 | 5 | 5 | 6.50 | 5.209 | 31.8 | 0.0 | 7.2 | 14.5 | 0.0 | 1.7 | 0.1 | 31.4 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 287 | 5 | 5 | 6.40 | 5.206 | 31.8 | 0.0 | 7.2 | 14.5 | 0.0 | 1.7 | 0.1 | 31.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 288 | 5 | 5 | 6.30 | 5.203 | 31.8 | 0.0 | 7.2 | 14.4 | 0.0 | 1.7 | 0.1 | 30.9 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 289 | 5 | 5 | 6.20 | 5.200 | 31.8 | 0.0 | 7.2 | 14.4 | 0.0 | 1.7 | 0.1 | 30.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 290 | 5 | 5 | 6.10 | 5.197 | 31.8 | 0.0 | 7.1 | 14.3 | 0.0 | 1.7 | 0.1 | 30.3 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 291 | 5 | 5 | 6.00 | 5.193 | 31.8 | 0.0 | 7.1 | 14.3 | 0.0 | 1.7 | 0.1 | 30.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 292 | 5 | 5 | 5.90 | 5.190 | 31.8 | 0.0 | 7.1 | 14.2 | 0.0 | 1.7 | 0.1 | 29.8 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |

EXPANDED CAPSULE SUMMARY FOR Bayou Chene

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | VELO | VELO | SAT | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 293 | 5 | 5 | 5.80 | 5.187 | 31.8 | 0.0 | 7.1 | 14.2 | 0.0 | 1.7 | 0.1 | 29.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 294 | 5 | 5 | 5.70 | 5.184 | 31.8 | 0.0 | 7.1 | 14.1 | 0.0 | 1.7 | 0.1 | 29.3 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 295 | 5 | 5 | 5.60 | 5.181 | 31.8 | 0.0 | 7.0 | 14.1 | 0.0 | 1.7 | 0.1 | 29.1 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.15 |
| 296 | 5 | 5 | 5.50 | 5.178 | 31.8 | 0.0 | 7.0 | 14.0 | 0.0 | 1.7 | 0.1 | 28.8 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 297 | 5 | 5 | 5.40 | 5.174 | 31.8 | 0.0 | 7.0 | 14.0 | 0.0 | 1.7 | 0.1 | 28.6 | 0.3 | 1.77 | 90.0 | 0.033 | 0.033 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 298 | 5 | 5 | 5.30 | 5.171 | 31.8 | 0.0 | 7.0 | 13.9 | 0.0 | 1.7 | 0.1 | 28.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 299 | 5 | 5 | 5.20 | 5.168 | 31.8 | 0.0 | 6.9 | 13.9 | 0.0 | 1.7 | 0.1 | 28.1 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 300 | 5 | 5 | 5.10 | 5.165 | 31.8 | 0.0 | 6.9 | 13.8 | 0.0 | 1.7 | 0.1 | 27.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 301 | 5 | 5 | 5.00 | 5.162 | 31.8 | 0.0 | 6.9 | 13.8 | 0.0 | 1.7 | 0.1 | 27.6 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 302 | 5 | 5 | 4.90 | 5.159 | 31.8 | 0.0 | 6.9 | 13.7 | 0.0 | 1.7 | 0.1 | 27.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 303 | 5 | 5 | 4.80 | 5.155 | 31.8 | 0.0 | 6.8 | 13.7 | 0.0 | 1.7 | 0.1 | 27.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 304 | 5 | 5 | 4.70 | 5.152 | 31.8 | 0.0 | 6.8 | 13.7 | 0.0 | 1.7 | 0.1 | 26.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 305 | 5 | 5 | 4.60 | 5.149 | 31.8 | 0.0 | 6.8 | 13.6 | 0.0 | 1.7 | 0.1 | 26.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 306 | 5 | 5 | 4.50 | 5.146 | 31.8 | 0.0 | 6.8 | 13.6 | 0.0 | 1.7 | 0.1 | 26.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 307 | 5 | 5 | 4.40 | 5.143 | 31.8 | 0.0 | 6.7 | 13.5 | 0.0 | 1.7 | 0.1 | 26.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 308 | 5 | 5 | 4.30 | 5.140 | 31.8 | 0.0 | 6.7 | 13.5 | 0.0 | 1.7 | 0.1 | 25.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 309 | 5 | 5 | 4.20 | 5.136 | 31.8 | 0.0 | 6.7 | 13.4 | 0.0 | 1.7 | 0.1 | 25.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 310 | 5 | 5 | 4.10 | 5.133 | 31.8 | 0.0 | 6.7 | 13.4 | 0.0 | 1.7 | 0.1 | 25.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 311 | 5 | 5 | 4.00 | 5.130 | 31.8 | 0.0 | 6.6 | 13.3 | 0.0 | 1.7 | 0.1 | 25.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 312 | 5 | 5 | 3.90 | 5.127 | 31.8 | 0.0 | 6.6 | 13.3 | 0.0 | 1.7 | 0.1 | 24.8 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 313 | 5 | 5 | 3.80 | 5.124 | 31.8 | 0.0 | 6.6 | 13.2 | 0.0 | 1.7 | 0.1 | 24.5 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 314 | 5 | 5 | 3.70 | 5.120 | 31.8 | 0.0 | 6.6 | 13.2 | 0.0 | 1.7 | 0.1 | 24.3 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 315 | 5 | 5 | 3.60 | 5.117 | 31.8 | 0.0 | 6.5 | 13.1 | 0.0 | 1.7 | 0.1 | 24.0 | 0.3 | 1.77 | 90.0 | 0.032 | 0.032 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.15 |
| 316 | 6 | 6 | 3.50 | 5.111 | 31.8 | 0.0 | 6.5 | 13.1 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 317 | 6 | 6 | 3.40 | 5.104 | 31.8 | 0.0 | 6.5 | 13.0 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.491 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |
| 318 | 6 | 6 | 3.30 | 5.097 | 31.8 | 0.0 | 6.5 | 13.0 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.16 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 319 | 6 | 6 | 3.20 | 5.091 | 31.9 | 0.0 | 6.4 | 12.9 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 320 | 6 | 6 | 3.10 | 5.084 | 31.9 | 0.0 | 6.4 | 12.8 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 321 | 6 | 6 | 3.00 | 5.077 | 31.9 | 0.0 | 6.4 | 12.8 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.17 |
| 322 | 6 | 6 | 2.90 | 5.071 | 31.9 | 0.0 | 6.3 | 12.7 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 323 | 6 | 6 | 2.80 | 5.064 | 31.9 | 0.0 | 6.3 | 12.7 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 324 | 6 | 6 | 2.70 | 5.057 | 31.9 | 0.0 | 6.3 | 12.6 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.492 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.18 |
| 325 | 6 | 6 | 2.60 | 5.051 | 32.0 | 0.0 | 6.3 | 12.6 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 326 | 6 | 6 | 2.50 | 5.044 | 32.0 | 0.0 | 6.2 | 12.5 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 327 | 6 | 6 | 2.40 | 5.037 | 32.0 | 0.0 | 6.2 | 12.4 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.19 |
| 328 | 6 | 6 | 2.30 | 5.031 | 32.0 | 0.0 | 6.2 | 12.4 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 329 | 6 | 6 | 2.20 | 5.024 | 32.0 | 0.0 | 6.2 | 12.3 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 330 | 6 | 6 | 2.10 | 5.017 | 32.0 | 0.0 | 6.1 | 12.3 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 331 | 6 | 6 | 2.00 | 5.011 | 32.1 | 0.0 | 6.1 | 12.2 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.493 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 332 | 6 | 6 | 1.90 | 5.004 | 32.1 | 0.0 | 6.1 | 12.2 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 333 | 6 | 6 | 1.80 | 4.997 | 32.1 | 0.0 | 6.1 | 12.1 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 334 | 6 | 6 | 1.70 | 4.991 | 32.1 | 0.0 | 6.1 | 12.1 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.22 |
| 335 | 6 | 6 | 1.60 | 4.984 | 32.1 | 0.0 | 6.0 | 12.0 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 336 | 6 | 6 | 1.50 | 4.977 | 32.1 | 0.0 | 6.0 | 12.0 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.22 |
| 337 | 6 | 6 | 1.40 | 4.971 | 32.2 | 0.0 | 6.0 | 11.9 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 338 | 6 | 6 | 1.30 | 4.964 | 32.2 | 0.0 | 6.0 | 11.8 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.026 | 0.026 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 339 | 6 | 6 | 1.20 | 4.957 | 32.2 | 0.0 | 6.0 | 11.8 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.494 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |
| 340 | 6 | 6 | 1.10 | 4.951 | 32.2 | 0.0 | 6.0 | 11.7 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 341 | 6 | 6 | 1.00 | 4.944 | 32.2 | 0.0 | 5.9 | 11.7 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 342 | 6 | 6 | 0.90 | 4.937 | 32.2 | 0.0 | 5.9 | 11.6 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 343 | 6 | 6 | 0.80 | 4.931 | 32.3 | 0.0 | 5.9 | 11.6 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 344 | 6 | 6 | 0.70 | 4.924 | 32.3 | 0.0 | 5.9 | 11.5 | 0.0 | 1.6 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 345 | 6 | 6 | 0.60 | 4.917 | 32.3 | 0.0 | 5.9 | 11.2 | 0.0 | 1.7 | 0.1 | 24.0 | 0.4 | 1.77 | 110.0 | 0.025 | 0.025 | 7.3 | 0.495 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

TRIBUTARY # 346 (Station 935) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | 17 | 17 | 0.50 | 10.274 | 32.3 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.855 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 527 | 17 | 17 | 0.40 | 10.274 | 32.3 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.855 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 528 | 17 | 17 | 0.30 | 10.274 | 32.2 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 529 | 17 | 17 | 0.20 | 10.274 | 32.2 | 0.0 | 6.1 | 9.1 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 530 | 17 | 17 | 0.10 | 10.274 | 32.2 | 0.0 | 6.1 | 9.0 | 0.0 | 2.1 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.24 |
| 531 | 17 | 17 | 0.00 | 10.274 | 32.2 | 0.0 | 6.1 | 8.3 | 0.0 | 1.9 | 0.1 | 24.0 | 0.5 | 1.40 | 88.0 | 0.083 | 0.083 | 7.3 | 0.854 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.23 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 346 | 7 | 7 | 17.90 | 0.038 | 31.5 | 0.0 | 5.0 | 2.9 | 0.0 | 0.9 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 |
| 347 | 7 | 7 | 17.80 | 0.038 | 31.5 | 0.0 | 5.1 | 2.5 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 |
| 348 | 7 | 7 | 17.70 | 0.038 | 31.4 | 0.0 | 5.1 | 2.2 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.88 |
| 349 | 7 | 7 | 17.60 | 0.038 | 31.4 | 0.0 | 5.2 | 1.9 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.87 |
| 350 | 7 | 7 | 17.50 | 0.038 | 31.4 | 0.0 | 5.3 | 1.6 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.87 |
| 351 | 7 | 7 | 17.40 | 0.038 | 31.4 | 0.0 | 5.3 | 1.4 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.488 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 |
| 352 | 7 | 7 | 17.30 | 0.038 | 31.3 | 0.0 | 5.4 | 1.2 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 |
| 353 | 7 | 7 | 17.20 | 0.038 | 31.3 | 0.0 | 5.4 | 1.0 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.86 |
| 354 | 7 | 7 | 17.10 | 0.038 | 31.3 | 0.0 | 5.5 | 0.9 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.85 |
| 355 | 7 | 7 | 17.00 | 0.038 | 31.3 | 0.0 | 5.5 | 0.8 | 0.0 | 0.6 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.85 |
| 356 | 7 | 7 | 16.90 | 0.038 | 31.2 | 0.0 | 5.5 | 0.7 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.487 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 |
| 357 | 7 | 7 | 16.80 | 0.038 | 31.2 | 0.0 | 5.6 | 0.6 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 358 | 7 | 7 | 16.70 | 0.038 | 31.2 | 0.0 | 5.6 | 0.5 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.84 |
| 359 | 7 | 7 | 16.60 | 0.038 | 31.2 | 0.0 | 5.6 | 0.4 | 0.0 | 0.5 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.83 |
| 360 | 7 | 7 | 16.50 | 0.038 | 31.2 | 0.0 | 5.6 | 0.4 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.83 |
| 361 | 7 | 7 | 16.40 | 0.038 | 31.1 | 0.0 | 5.7 | 0.3 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.486 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.82 |
| 362 | 7 | 7 | 16.30 | 0.038 | 31.1 | 0.0 | 5.7 | 0.3 | 0.0 | 0.4 | 0.1 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.82 |
| 363 | 7 | 7 | 16.20 | 0.038 | 31.1 | 0.0 | 5.7 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 |
| 364 | 7 | 7 | 16.10 | 0.038 | 31.1 | 0.0 | 5.7 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 |
| 365 | 7 | 7 | 16.00 | 0.038 | 31.0 | 0.0 | 5.7 | 0.2 | 0.0 | 0.4 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.81 |
| 366 | 7 | 7 | 15.90 | 0.038 | 31.0 | 0.0 | 5.7 | 0.2 | 0.0 | 0.3 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.80 |
| 367 | 7 | 7 | 15.80 | 0.038 | 31.0 | 0.0 | 5.8 | 0.1 | 0.0 | 0.3 | 0.0 | 10.0 | 0.0 | 1.77 | 35.0 | 0.001 | 0.001 | 7.4 | 0.485 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 2.80 |
| 368 | 8 | 8 | 15.70 | 0.209 | 31.0 | 0.0 | 7.0 | 2.8 | 0.0 | 0.7 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 369 | 8 | 8 | 15.60 | 0.379 | 31.0 | 0.0 | 7.0 | 2.9 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 370 | 8 | 8 | 15.50 | 0.550 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 371 | 8 | 8 | 15.40 | 0.721 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 372 | 8 | 8 | 15.30 | 0.892 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 373 | 8 | 8 | 15.20 | 1.063 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 374 | 8 | 8 | 15.10 | 1.234 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 375 | 8 | 8 | 15.00 | 1.405 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 376 | 8 | 8 | 14.90 | 1.575 | 31.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.8 | 0.1 | 10.0 | 0.0 | 1.77 | 2131.0 | 0.000 | 0.000 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 1.20 |
| 377 | 9 | 9 | 14.80 | 1.728 | 31.0 | 0.0 | 6.3 | 3.6 | 0.0 | 1.1 | 0.1 | 11.2 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.644 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 378 | 9 | 9 | 14.70 | 1.881 | 31.1 | 0.0 | 5.9 | 4.0 | 0.0 | 1.3 | 0.1 | 12.3 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.01 |
| 379 | 9 | 9 | 14.60 | 2.034 | 31.1 | 0.0 | 5.8 | 4.4 | 0.0 | 1.4 | 0.1 | 13.5 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.02 |
| WASTELOAD # 380 (TRIB 4 OUTFLOW) ENTERS HERE WITHOUT ANY FLOW | | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | 9 | 9 | 14.50 | 2.187 | 31.2 | 0.0 | 5.8 | 4.6 | 0.0 | 1.6 | 0.1 | 14.6 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.645 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.03 |
| 381 | 9 | 9 | 14.40 | 2.340 | 31.2 | 0.0 | 5.8 | 4.8 | 0.0 | 1.7 | 0.1 | 15.8 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.646 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 382 | 9 | 9 | 14.30 | 2.493 | 31.2 | 0.0 | 5.8 | 5.0 | 0.0 | 1.8 | 0.1 | 16.9 | 0.0 | 1.77 | 983.0 | 0.001 | 0.001 | 7.4 | 0.646 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.04 |
| 383 | 9 | 9 | 14.20 | 2.646 | 31.3 | 0.0 | 5.9 | 5.1 | 0.0 | 1.8 | 0.1 | 18.1 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.647 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.05 |
| 384 | 9 | 9 | 14.10 | 2.799 | 31.3 | 0.0 | 6.0 | 5.2 | 0.0 | 1.9 | 0.1 | 19.2 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.647 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 385 | 9 | 9 | 14.00 | 2.952 | 31.3 | 0.0 | 6.0 | 5.3 | 0.0 | 1.9 | 0.2 | 20.4 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.23 | 3.06 |
| 386 | 9 | 9 | 13.90 | 3.104 | 31.4 | 0.0 | 6.1 | 5.3 | 0.0 | 2.0 | 0.2 | 21.5 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.07 |
| 387 | 9 | 9 | 13.80 | 3.257 | 31.4 | 0.0 | 6.2 | 5.4 | 0.0 | 2.0 | 0.2 | 22.7 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.648 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.08 |
| 388 | 9 | 9 | 13.70 | 3.410 | 31.5 | 0.0 | 6.3 | 5.4 | 0.0 | 2.0 | 0.2 | 23.8 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.649 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 389 | 9 | 9 | 13.60 | 3.563 | 31.5 | 0.0 | 6.4 | 5.5 | 0.0 | 2.1 | 0.2 | 25.0 | 0.0 | 1.77 | 983.0 | 0.002 | 0.002 | 7.4 | 0.649 | 0.08 | 0.00 | 0.00 | 0.00 | 0.24 | 3.09 |
| 390 | 10 | 10 | 13.50 | 3.563 | 31.5 | 0.0 | 6.3 | 5.5 | 0.0 | 2.1 | 0.2 | 26.4 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 391 | 10 | 10 | 13.40 | 3.563 | 31.5 | 0.0 | 6.2 | 5.5 | 0.0 | 2.0 | 0.2 | 27.9 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 392 | 10 | 10 | 13.30 | 3.563 | 31.5 | 0.0 | 6.1 | 5.6 | 0.0 | 2.0 | 0.2 | 29.3 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 393 | 10 | 10 | 13.20 | 3.563 | 31.5 | 0.0 | 6.0 | 5.6 | 0.0 | 2.0 | 0.2 | 30.8 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 394 | 10 | 10 | 13.10 | 3.563 | 31.5 | 0.0 | 6.0 | 5.6 | 0.0 | 2.0 | 0.2 | 32.2 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 395 | 10 | 10 | 13.00 | 3.563 | 31.5 | 0.0 | 5.9 | 5.6 | 0.0 | 2.0 | 0.2 | 33.7 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.36 | 5.78 |
| 396 | 10 | 10 | 12.90 | 3.563 | 31.5 | 0.0 | 5.9 | 5.7 | 0.0 | 2.0 | 0.2 | 35.1 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 397 | 10 | 10 | 12.80 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 2.0 | 0.2 | 36.6 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 398 | 10 | 10 | 12.70 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 1.9 | 0.2 | 38.0 | 0.0 | 1.77 | 148.0 | 0.014 | 0.014 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 399 | 11 | 11 | 12.60 | 3.563 | 31.5 | 0.0 | 5.8 | 5.7 | 0.0 | 1.9 | 0.2 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 400 | 11 | 11 | 12.50 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 401 | 11 | 11 | 12.40 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 402 | 11 | 11 | 12.30 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 403 | 11 | 11 | 12.20 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 404 | 11 | 11 | 12.10 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 405 | 11 | 11 | 12.00 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 406 | 11 | 11 | 11.90 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 407 | 11 | 11 | 11.80 | 3.563 | 31.5 | 0.0 | 5.8 | 5.8 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 408 | 11 | 11 | 11.70 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 409 | 11 | 11 | 11.60 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 410 | 11 | 11 | 11.50 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 411 | 11 | 11 | 11.40 | 3.563 | 31.5 | 0.0 | 5.8 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 412 | 11 | 11 | 11.30 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.9 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 413 | 11 | 11 | 11.20 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 414 | 11 | 11 | 11.10 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 415 | 11 | 11 | 11.00 | 3.563 | 31.5 | 0.0 | 5.7 | 5.9 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 416 | 11 | 11 | 10.90 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 417 | 11 | 11 | 10.80 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.3 | 1.77 | 61.0 | 0.033 | 0.033 | 7.4 | 0.489 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 418 | 12 | 12 | 10.70 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | BOD2 SETT | NH3 DECA | NH3 SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 419 | 12 | 12 | 10.60 | 3.563 | 31.5 | 0.0 | 5.7 | 6.0 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 420 | 12 | 12 | 10.50 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 421 | 12 | 12 | 10.40 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 422 | 12 | 12 | 10.30 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 423 | 12 | 12 | 10.20 | 3.563 | 31.5 | 0.0 | 5.6 | 6.1 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 424 | 12 | 12 | 10.10 | 3.563 | 31.5 | 0.0 | 5.6 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 425 | 12 | 12 | 10.00 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 426 | 12 | 12 | 9.90 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 427 | 12 | 12 | 9.80 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 428 | 12 | 12 | 9.70 | 3.563 | 31.5 | 0.0 | 5.5 | 6.2 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 429 | 12 | 12 | 9.60 | 3.563 | 31.5 | 0.0 | 5.4 | 6.3 | 0.0 | 1.7 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| 430 | 12 | 12 | 9.50 | 3.563 | 31.5 | 0.0 | 5.4 | 6.4 | 0.0 | 1.8 | 0.1 | 38.0 | 0.2 | 1.40 | 72.0 | 0.035 | 0.035 | 7.4 | 0.616 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 5.78 |
| WASTELOAD # 431 (TRIB 5 INFLOW) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 | 13 | 13 | 9.40 | 6.848 | 31.5 | 0.0 | 5.3 | 8.1 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 72.0 | 0.068 | 0.068 | 7.4 | 0.761 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| 432 | 13 | 13 | 9.30 | 6.848 | 31.5 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 72.0 | 0.068 | 0.068 | 7.4 | 0.761 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3.09 |
| DIVERSION # 433 (TRIB 6 OUTFLOW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 433 | 14 | 14 | 9.20 | 5.104 | 31.6 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.4 | 0.667 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.11 |
| 434 | 14 | 14 | 9.10 | 5.106 | 31.6 | 0.0 | 5.3 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.4 | 0.668 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.12 |
| 435 | 14 | 14 | 9.00 | 5.108 | 31.7 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.669 | 0.09 | 0.00 | 0.00 | 0.00 | 0.35 | 3.13 |
| 436 | 14 | 14 | 8.90 | 5.110 | 31.8 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.670 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.15 |
| 437 | 14 | 14 | 8.80 | 5.112 | 31.8 | 0.0 | 5.4 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.671 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.16 |
| 438 | 14 | 14 | 8.70 | 5.114 | 31.9 | 0.0 | 5.5 | 8.0 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.672 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.17 |
| 439 | 14 | 14 | 8.60 | 5.117 | 32.0 | 0.0 | 5.5 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.673 | 0.09 | 0.00 | 0.00 | 0.00 | 0.36 | 3.19 |
| 440 | 14 | 14 | 8.50 | 5.119 | 32.0 | 0.0 | 5.5 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.674 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.20 |
| 441 | 14 | 14 | 8.40 | 5.121 | 32.1 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.675 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.21 |
| 442 | 14 | 14 | 8.30 | 5.123 | 32.2 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.675 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.23 |
| 443 | 14 | 14 | 8.20 | 5.125 | 32.2 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.676 | 0.09 | 0.00 | 0.00 | 0.00 | 0.37 | 3.24 |
| 444 | 14 | 14 | 8.10 | 5.127 | 32.3 | 0.0 | 5.6 | 7.9 | 0.0 | 2.8 | 0.1 | 38.0 | 0.1 | 1.40 | 70.0 | 0.052 | 0.052 | 7.3 | 0.677 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 445 | 15 | 15 | 8.00 | 5.130 | 32.3 | 0.0 | 5.7 | 7.9 | 0.0 | 2.8 | 0.1 | 37.9 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 446 | 15 | 15 | 7.90 | 5.133 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.8 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 447 | 15 | 15 | 7.80 | 5.136 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.7 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.703 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 448 | 15 | 15 | 7.70 | 5.138 | 32.3 | 0.0 | 5.7 | 7.8 | 0.0 | 2.8 | 0.1 | 37.6 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 449 | 15 | 15 | 7.60 | 5.141 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.5 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 450 | 15 | 15 | 7.50 | 5.144 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.3 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 451 | 15 | 15 | 7.40 | 5.147 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.2 | 0.1 | 1.40 | 65.0 | 0.056 | 0.056 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 452 | 15 | 15 | 7.30 | 5.149 | 32.3 | 0.0 | 5.8 | 7.8 | 0.0 | 2.8 | 0.1 | 37.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.704 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 453 | 15 | 15 | 7.20 | 5.152 | 32.3 | 0.0 | 5.9 | 7.8 | 0.0 | 2.8 | 0.1 | 37.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 454 | 15 | 15 | 7.10 | 5.155 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 455 | 15 | 15 | 7.00 | 5.158 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 456 | 15 | 15 | 6.90 | 5.161 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 457 | 15 | 15 | 6.80 | 5.163 | 32.3 | 0.0 | 5.9 | 7.7 | 0.0 | 2.8 | 0.1 | 36.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.705 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 458 | 15 | 15 | 6.70 | 5.166 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 459 | 15 | 15 | 6.60 | 5.169 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 460 | 15 | 15 | 6.50 | 5.172 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 461 | 15 | 15 | 6.40 | 5.175 | 32.3 | 0.0 | 6.0 | 7.7 | 0.0 | 2.8 | 0.1 | 36.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 462 | 15 | 15 | 6.30 | 5.177 | 32.3 | 0.0 | 6.0 | 7.6 | 0.0 | 2.7 | 0.1 | 36.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 463 | 15 | 15 | 6.20 | 5.180 | 32.3 | 0.0 | 6.0 | 7.6 | 0.0 | 2.7 | 0.1 | 35.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.706 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 464 | 15 | 15 | 6.10 | 5.183 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 465 | 15 | 15 | 6.00 | 5.186 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 466 | 15 | 15 | 5.90 | 5.189 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 467 | 15 | 15 | 5.80 | 5.191 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 468 | 15 | 15 | 5.70 | 5.194 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.707 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 469 | 15 | 15 | 5.60 | 5.197 | 32.3 | 0.0 | 6.1 | 7.6 | 0.0 | 2.7 | 0.1 | 35.3 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 470 | 15 | 15 | 5.50 | 5.200 | 32.3 | 0.0 | 6.1 | 7.5 | 0.0 | 2.7 | 0.1 | 35.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 471 | 15 | 15 | 5.40 | 5.203 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 35.0 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 472 | 15 | 15 | 5.30 | 5.205 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 473 | 15 | 15 | 5.20 | 5.208 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.708 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 474 | 15 | 15 | 5.10 | 5.211 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 475 | 15 | 15 | 5.00 | 5.214 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 476 | 15 | 15 | 4.90 | 5.217 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.5 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 477 | 15 | 15 | 4.80 | 5.219 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.4 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 478 | 15 | 15 | 4.70 | 5.222 | 32.3 | 0.0 | 6.2 | 7.5 | 0.0 | 2.7 | 0.1 | 34.3 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.709 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 479 | 15 | 15 | 4.60 | 5.225 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 34.2 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 480 | 15 | 15 | 4.50 | 5.228 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 34.1 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 481 | 15 | 15 | 4.40 | 5.230 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.9 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 482 | 15 | 15 | 4.30 | 5.233 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.8 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 483 | 15 | 15 | 4.20 | 5.236 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.7 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 484 | 15 | 15 | 4.10 | 5.239 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.6 | 0.1 | 1.40 | 65.0 | 0.057 | 0.057 | 7.3 | 0.710 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 485 | 15 | 15 | 4.00 | 5.242 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 486 | 15 | 15 | 3.90 | 5.244 | 32.3 | 0.0 | 6.3 | 7.4 | 0.0 | 2.7 | 0.1 | 33.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 487 | 15 | 15 | 3.80 | 5.247 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 488 | 15 | 15 | 3.70 | 5.250 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 489 | 15 | 15 | 3.60 | 5.253 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.711 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 490 | 15 | 15 | 3.50 | 5.256 | 32.3 | 0.0 | 6.3 | 7.3 | 0.0 | 2.7 | 0.1 | 33.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

EXPANDED CAPSULE SUMMARY FOR Station 935

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 491 | 15 | 15 | 3.40 | 5.258 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 492 | 15 | 15 | 3.30 | 5.261 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.7 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 493 | 15 | 15 | 3.20 | 5.264 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.6 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 494 | 15 | 15 | 3.10 | 5.267 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.712 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 495 | 15 | 15 | 3.00 | 5.270 | 32.3 | 0.0 | 6.4 | 7.3 | 0.0 | 2.7 | 0.1 | 32.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 496 | 15 | 15 | 2.90 | 5.272 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 497 | 15 | 15 | 2.80 | 5.275 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 498 | 15 | 15 | 2.70 | 5.278 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 499 | 15 | 15 | 2.60 | 5.281 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 32.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 500 | 15 | 15 | 2.50 | 5.284 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.9 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.713 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 501 | 15 | 15 | 2.40 | 5.286 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 502 | 15 | 15 | 2.30 | 5.289 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.6 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 503 | 15 | 15 | 2.20 | 5.292 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.7 | 0.1 | 31.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 504 | 15 | 15 | 2.10 | 5.295 | 32.3 | 0.0 | 6.4 | 7.2 | 0.0 | 2.6 | 0.1 | 31.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 505 | 15 | 15 | 2.00 | 5.298 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.714 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 506 | 15 | 15 | 1.90 | 5.300 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 507 | 15 | 15 | 1.80 | 5.303 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 508 | 15 | 15 | 1.70 | 5.306 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 31.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 509 | 15 | 15 | 1.60 | 5.309 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.9 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 510 | 15 | 15 | 1.50 | 5.311 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.8 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.715 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 511 | 15 | 15 | 1.40 | 5.314 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.7 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 512 | 15 | 15 | 1.30 | 5.317 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.5 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 513 | 15 | 15 | 1.20 | 5.320 | 32.3 | 0.0 | 6.4 | 7.1 | 0.0 | 2.6 | 0.1 | 30.4 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 514 | 15 | 15 | 1.10 | 5.323 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.3 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 515 | 15 | 15 | 1.00 | 5.325 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.2 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 516 | 15 | 15 | 0.90 | 5.328 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.1 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.716 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 517 | 15 | 15 | 0.80 | 5.331 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 30.0 | 0.1 | 1.40 | 65.0 | 0.058 | 0.058 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 518 | 16 | 16 | 0.70 | 5.334 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 29.2 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 519 | 16 | 16 | 0.60 | 5.337 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 28.5 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 520 | 16 | 16 | 0.50 | 5.341 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 27.8 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.717 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 521 | 16 | 16 | 0.40 | 5.344 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 27.0 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 522 | 16 | 16 | 0.30 | 5.347 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 26.2 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 523 | 16 | 16 | 0.20 | 5.350 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 25.5 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 524 | 16 | 16 | 0.10 | 5.353 | 32.3 | 0.0 | 6.4 | 6.9 | 0.0 | 2.6 | 0.1 | 24.8 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |
| 525 | 16 | 16 | 0.00 | 5.357 | 32.3 | 0.0 | 6.4 | 7.0 | 0.0 | 2.6 | 0.1 | 24.0 | 0.1 | 1.40 | 65.0 | 0.059 | 0.059 | 7.3 | 0.718 | 0.09 | 0.00 | 0.00 | 0.00 | 0.38 | 3.25 |

SPECIAL REPORT: Bayou Chene

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 31.22 | 0.0 | 0.0 | 0.0 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 2.26 | 0.00 | 70.2 | 0.0 | 0. | 0.00 | |
| 2 | 34.900 | 31.24 | 0.0 | 0.0 | 0.0 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.3 | 0.0 | 0. | 0.00 | |
| 3 | 34.800 | 31.25 | 0.0 | 0.0 | 0.0 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.5 | 0.0 | 0. | 0.00 | |
| 4 | 34.700 | 31.27 | 0.0 | 0.0 | 0.0 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.6 | 0.0 | 0. | 0.00 | |
| 5 | 34.600 | 31.29 | 0.0 | 0.0 | 0.0 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.24 | 0.00 | 70.8 | 0.0 | 0. | 0.00 | |
| 6 | 34.500 | 31.31 | 0.0 | 0.0 | 0.0 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 70.9 | 0.0 | 0. | 0.00 | |
| 7 | 34.400 | 31.33 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 71.1 | 0.0 | 0. | 0.00 | |
| 8 | 34.300 | 31.35 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.23 | 0.00 | 71.2 | 0.0 | 0. | 0.00 | |
| 9 | 34.200 | 31.36 | 0.0 | 0.0 | 0.0 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.4 | 0.0 | 0. | 0.00 | |
| 10 | 34.100 | 31.38 | 0.0 | 0.0 | 0.0 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.5 | 0.0 | 0. | 0.00 | |
| 11 | 34.000 | 31.40 | 0.0 | 0.0 | 0.0 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.7 | 0.0 | 0. | 0.00 | |
| 12 | 33.900 | 31.42 | 0.0 | 0.0 | 0.0 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.8 | 0.0 | 0. | 0.00 | |
| 13 | 33.800 | 31.44 | 0.0 | 0.0 | 0.0 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.52 | 2.22 | 0.00 | 72.0 | 0.0 | 0. | 0.00 | |
| 14 | 33.700 | 31.45 | 0.0 | 0.0 | 0.0 | 6.14 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.1 | 0.0 | 0. | 0.00 | |
| 15 | 33.600 | 31.47 | 0.0 | 0.0 | 0.0 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.3 | 0.0 | 0. | 0.00 | |
| 16 | 33.500 | 31.49 | 0.0 | 0.0 | 0.0 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.21 | 0.00 | 72.4 | 0.0 | 0. | 0.00 | |
| 17 | 33.400 | 31.51 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.6 | 0.0 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 33.300 | 31.53 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.7 | 0.0 | 0. | 0.00 |
| 19 | 33.200 | 31.55 | 0.0 | 0.0 | 0.0 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.9 | 0.0 | 0. | 0.00 |
| 20 | 33.100 | 31.56 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.0 | 0.0 | 0. | 0.00 |
| 21 | 33.000 | 31.58 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.2 | 0.0 | 0. | 0.00 |
| 22 | 32.900 | 31.60 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.18 | 0.00 | 73.3 | 0.0 | 0. | 0.00 |
| 23 | 32.800 | 31.62 | 0.0 | 0.0 | 0.0 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.5 | 0.0 | 0. | 0.00 |
| 24 | 32.700 | 31.64 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.6 | 0.0 | 0. | 0.00 |
| 25 | 32.600 | 31.65 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.8 | 0.0 | 0. | 0.00 |
| 26 | 32.500 | 31.67 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.9 | 0.0 | 0. | 0.00 |
| 27 | 32.400 | 31.69 | 0.0 | 0.0 | 0.0 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.17 | 0.00 | 74.1 | 0.0 | 0. | 0.00 |
| 28 | 32.300 | 31.71 | 0.0 | 0.0 | 0.0 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.2 | 0.0 | 0. | 0.00 |
| 29 | 32.200 | 31.73 | 0.0 | 0.0 | 0.0 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.4 | 0.0 | 0. | 0.00 |
| 30 | 32.100 | 31.75 | 0.0 | 0.0 | 0.0 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.16 | 0.00 | 74.5 | 0.0 | 0. | 0.00 |
| 31 | 32.000 | 31.76 | 0.0 | 0.0 | 0.0 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.7 | 0.0 | 0. | 0.00 |
| 32 | 31.900 | 31.78 | 0.0 | 0.0 | 0.0 | 6.08 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.8 | 0.0 | 0. | 0.00 |
| 33 | 31.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 34 | 31.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.08 | 16.14 | 0.00 | 16.14 | 0.00 | 1.58 | 0.10 | 0.46 | 2.15 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 35 | 31.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.07 | 16.19 | 0.00 | 16.19 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.1 | 0.0 | 0. | 0.00 |
| 36 | 31.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.07 | 16.24 | 0.00 | 16.24 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.1 | 0.0 | 0. | 0.00 |
| 37 | 31.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.06 | 16.30 | 0.00 | 16.30 | 0.00 | 1.59 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 38 | 31.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.06 | 16.35 | 0.00 | 16.35 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 39 | 31.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.05 | 16.40 | 0.00 | 16.40 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.2 | 0.0 | 0. | 0.00 |
| 40 | 31.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.05 | 16.45 | 0.00 | 16.45 | 0.00 | 1.60 | 0.10 | 0.44 | 2.15 | 0.00 | 75.3 | 0.0 | 0. | 0.00 |
| 41 | 31.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.50 | 0.00 | 16.50 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.3 | 0.0 | 0. | 0.00 |
| 42 | 30.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.55 | 0.00 | 16.55 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 43 | 30.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 16.61 | 0.00 | 16.61 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 44 | 30.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.03 | 16.66 | 0.00 | 16.66 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 45 | 30.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.03 | 16.71 | 0.00 | 16.71 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.5 | 0.0 | 0. | 0.00 |
| 46 | 30.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.02 | 16.76 | 0.00 | 16.76 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.5 | 0.0 | 0. | 0.00 |
| 47 | 30.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.02 | 16.81 | 0.00 | 16.81 | 0.00 | 1.62 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 48 | 30.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.01 | 16.86 | 0.00 | 16.86 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 49 | 30.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.01 | 16.91 | 0.00 | 16.91 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 50 | 30.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 16.96 | 0.00 | 16.96 | 0.00 | 1.63 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 51 | 30.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 17.01 | 0.00 | 17.01 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 52 | 29.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.00 | 17.06 | 0.00 | 17.06 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.7 | 0.0 | 0. | 0.00 |
| 53 | 29.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 17.11 | 0.00 | 17.11 | 0.00 | 1.64 | 0.10 | 0.40 | 2.15 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 54 | 29.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 17.16 | 0.00 | 17.16 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 55 | 29.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.98 | 17.21 | 0.00 | 17.21 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 56 | 29.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.98 | 17.25 | 0.00 | 17.25 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 57 | 29.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.30 | 0.00 | 17.30 | 0.00 | 1.65 | 0.10 | 0.39 | 2.15 | 0.00 | 75.9 | 0.0 | 0. | 0.00 |
| 58 | 29.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.35 | 0.00 | 17.35 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.0 | 0.0 | 0. | 0.00 |
| 59 | 29.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.97 | 17.40 | 0.00 | 17.40 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.0 | 0.0 | 0. | 0.00 |
| 60 | 29.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.96 | 17.45 | 0.00 | 17.45 | 0.00 | 1.66 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 61 | 29.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.96 | 17.49 | 0.00 | 17.49 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 62 | 28.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.54 | 0.00 | 17.54 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 63 | 28.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.59 | 0.00 | 17.59 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 64 | 28.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.95 | 17.64 | 0.00 | 17.64 | 0.00 | 1.67 | 0.10 | 0.37 | 2.15 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 65 | 28.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 17.68 | 0.00 | 17.68 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |
| 66 | 28.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 17.73 | 0.00 | 17.73 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |
| 67 | 28.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.78 | 0.00 | 17.78 | 0.00 | 1.68 | 0.10 | 0.36 | 2.15 | 0.00 | 76.3 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 28.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.82 | 0.00 | 17.82 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.4 | 0.0 | 0. | 0.00 |
| 69 | 28.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.93 | 17.87 | 0.00 | 17.87 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.4 | 0.0 | 0. | 0.00 |
| 70 | 28.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.92 | 17.92 | 0.00 | 17.92 | 0.00 | 1.69 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 71 | 28.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.92 | 17.96 | 0.00 | 17.96 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 72 | 27.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.01 | 0.00 | 18.01 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 73 | 27.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.06 | 0.00 | 18.06 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.6 | 0.0 | 0. | 0.00 |
| 74 | 27.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.91 | 18.10 | 0.00 | 18.10 | 0.00 | 1.70 | 0.10 | 0.34 | 2.15 | 0.00 | 76.6 | 0.0 | 0. | 0.00 |
| 75 | 27.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.90 | 18.15 | 0.00 | 18.15 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 76 | 27.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.90 | 18.19 | 0.00 | 18.19 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 77 | 27.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.24 | 0.00 | 18.24 | 0.00 | 1.71 | 0.10 | 0.33 | 2.15 | 0.00 | 76.7 | 0.0 | 0. | 0.00 |
| 78 | 27.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.28 | 0.00 | 18.28 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.8 | 0.0 | 0. | 0.00 |
| 79 | 27.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 18.33 | 0.00 | 18.33 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.8 | 0.0 | 0. | 0.00 |
| 80 | 27.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.88 | 18.37 | 0.00 | 18.37 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 81 | 27.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.88 | 18.42 | 0.00 | 18.42 | 0.00 | 1.72 | 0.10 | 0.32 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 82 | 26.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.46 | 0.00 | 18.46 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 83 | 26.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.50 | 0.00 | 18.50 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 84 | 26.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.87 | 18.55 | 0.00 | 18.55 | 0.00 | 1.73 | 0.10 | 0.31 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 85 | 26.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.59 | 0.00 | 18.59 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 86 | 26.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.63 | 0.00 | 18.63 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.1 | 0.0 | 0. | 0.00 |
| 87 | 26.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.86 | 18.68 | 0.00 | 18.68 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.1 | 0.0 | 0. | 0.00 |
| 88 | 26.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.72 | 0.00 | 18.72 | 0.00 | 1.74 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 89 | 26.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.76 | 0.00 | 18.76 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 90 | 26.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.85 | 18.81 | 0.00 | 18.81 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.2 | 0.0 | 0. | 0.00 |
| 91 | 26.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 18.85 | 0.00 | 18.85 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |
| 92 | 25.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 18.89 | 0.00 | 18.89 | 0.00 | 1.75 | 0.10 | 0.29 | 2.15 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |
| 93 | 25.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 18.93 | 0.00 | 18.93 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 94 | 25.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 18.98 | 0.00 | 18.98 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 95 | 25.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.83 | 19.02 | 0.00 | 19.02 | 0.00 | 1.76 | 0.10 | 0.28 | 2.15 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 96 | 25.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.06 | 0.00 | 19.06 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.5 | 0.0 | 0. | 0.00 |
| 97 | 25.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.10 | 0.00 | 19.10 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.5 | 0.0 | 0. | 0.00 |
| 98 | 25.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.82 | 19.14 | 0.00 | 19.14 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 99 | 25.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.19 | 0.00 | 19.19 | 0.00 | 1.77 | 0.10 | 0.27 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 100 | 25.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.23 | 0.00 | 19.23 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.6 | 0.0 | 0. | 0.00 |
| 101 | 25.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.81 | 19.27 | 0.00 | 19.27 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 102 | 24.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.31 | 0.00 | 19.31 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 103 | 24.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.35 | 0.00 | 19.35 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 104 | 24.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.80 | 19.39 | 0.00 | 19.39 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 105 | 24.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.43 | 0.00 | 19.43 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.8 | 0.0 | 0. | 0.00 |
| 106 | 24.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.47 | 0.00 | 19.47 | 0.00 | 1.79 | 0.10 | 0.25 | 2.15 | 0.00 | 77.9 | 0.0 | 0. | 0.00 |
| 107 | 24.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 19.51 | 0.00 | 19.51 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.9 | 0.0 | 0. | 0.00 |
| 108 | 24.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.55 | 0.00 | 19.55 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 109 | 24.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.59 | 0.00 | 19.59 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 110 | 24.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.78 | 19.63 | 0.00 | 19.63 | 0.00 | 1.80 | 0.10 | 0.24 | 2.15 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 111 | 24.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.67 | 0.00 | 19.67 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 112 | 23.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.71 | 0.00 | 19.71 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 113 | 23.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.77 | 19.75 | 0.00 | 19.75 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 114 | 23.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.79 | 0.00 | 19.79 | 0.00 | 1.81 | 0.10 | 0.23 | 2.15 | 0.00 | 78.2 | 0.0 | 0. | 0.00 |
| 115 | 23.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.83 | 0.00 | 19.83 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.2 | 0.0 | 0. | 0.00 |
| 116 | 23.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.76 | 19.87 | 0.00 | 19.87 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 117 | 23.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.91 | 0.00 | 19.91 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 118 | 23.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.95 | 0.00 | 19.95 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 119 | 23.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.75 | 19.98 | 0.00 | 19.98 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.4 | 0.0 | 0. | 0.00 |
| 120 | 23.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.02 | 0.00 | 20.02 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.4 | 0.0 | 0. | 0.00 |
| 121 | 23.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.06 | 0.00 | 20.06 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 122 | 22.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.10 | 0.00 | 20.10 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 123 | 22.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.74 | 20.14 | 0.00 | 20.14 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 124 | 22.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.17 | 0.00 | 20.17 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.6 | 0.0 | 0. | 0.00 |
| 125 | 22.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.21 | 0.00 | 20.21 | 0.00 | 1.84 | 0.10 | 0.20 | 2.15 | 0.00 | 78.6 | 0.0 | 0. | 0.00 |
| 126 | 22.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 20.25 | 0.00 | 20.25 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 127 | 22.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.29 | 0.00 | 20.29 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 128 | 22.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.32 | 0.00 | 20.32 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.7 | 0.0 | 0. | 0.00 |
| 129 | 22.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.72 | 20.36 | 0.00 | 20.36 | 0.00 | 1.85 | 0.10 | 0.19 | 2.15 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 130 | 22.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.40 | 0.00 | 20.40 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 131 | 22.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.44 | 0.00 | 20.44 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 132 | 21.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.47 | 0.00 | 20.47 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 133 | 21.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.71 | 20.51 | 0.00 | 20.51 | 0.00 | 1.86 | 0.11 | 0.18 | 2.15 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 134 | 21.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.55 | 0.00 | 20.55 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.0 | 0.0 | 0. | 0.00 |
| 135 | 21.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.58 | 0.00 | 20.58 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.0 | 0.0 | 0. | 0.00 |
| 136 | 21.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.70 | 20.62 | 0.00 | 20.62 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 137 | 21.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.65 | 0.00 | 20.65 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 138 | 21.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.69 | 0.00 | 20.69 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.1 | 0.0 | 0. | 0.00 |
| 139 | 21.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.73 | 0.00 | 20.73 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 140 | 21.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.69 | 20.76 | 0.00 | 20.76 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 141 | 21.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.80 | 0.00 | 20.80 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 142 | 20.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.83 | 0.00 | 20.83 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 143 | 20.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 20.87 | 0.00 | 20.87 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.3 | 0.0 | 0. | 0.00 |
| 144 | 20.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.90 | 0.00 | 20.90 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 145 | 20.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.94 | 0.00 | 20.94 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 146 | 20.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 20.97 | 0.00 | 20.97 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 147 | 20.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.67 | 21.01 | 0.00 | 21.01 | 0.00 | 1.90 | 0.11 | 0.15 | 2.15 | 0.00 | 79.5 | 0.0 | 0. | 0.00 |
| 148 | 20.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.04 | 0.00 | 21.04 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.5 | 0.0 | 0. | 0.00 |
| 149 | 20.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.08 | 0.00 | 21.08 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 150 | 20.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.11 | 0.00 | 21.11 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 151 | 20.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.66 | 21.14 | 0.00 | 21.14 | 0.00 | 1.91 | 0.11 | 0.14 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 152 | 19.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.18 | 0.00 | 21.18 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.7 | 0.0 | 0. | 0.00 |
| 153 | 19.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.21 | 0.00 | 21.21 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.7 | 0.0 | 0. | 0.00 |
| 154 | 19.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.25 | 0.00 | 21.25 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 155 | 19.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.65 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.13 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 156 | 19.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.8 | 0.0 | 0. | 0.00 |
| 157 | 19.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.35 | 0.00 | 21.35 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.9 | 0.0 | 0. | 0.00 |
| 158 | 19.300 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.38 | 0.00 | 21.38 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.9 | 0.0 | 0. | 0.00 |
| 159 | 19.200 | 31.80 | 0.0 | 0.0 | 0.0 | 5.64 | 21.41 | 0.00 | 21.41 | 0.00 | 1.93 | 0.11 | 0.12 | 2.15 | 0.00 | 80.0 | 0.0 | 0. | 0.00 |
| 160 | 19.100 | 31.80 | 0.0 | 0.0 | 0.0 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 80.0 | 0.0 | 0. | 0.00 |
| 161 | 19.000 | 31.80 | 0.0 | 0.0 | 0.0 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 79.6 | 0.0 | 0. | 0.00 |
| 162 | 18.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.73 | 21.38 | 0.00 | 21.38 | 0.00 | 1.93 | 0.11 | 0.11 | 2.14 | 0.00 | 79.2 | 0.0 | 0. | 0.00 |
| 163 | 18.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.79 | 21.35 | 0.00 | 21.35 | 0.00 | 1.93 | 0.11 | 0.10 | 2.14 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 164 | 18.700 | 31.80 | 0.0 | 0.0 | 0.0 | 5.84 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.10 | 2.13 | 0.00 | 78.5 | 0.0 | 0. | 0.00 |
| 165 | 18.600 | 31.80 | 0.0 | 0.0 | 0.0 | 5.89 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 78.1 | 0.0 | 0. | 0.00 |
| 166 | 18.500 | 31.80 | 0.0 | 0.0 | 0.0 | 5.94 | 21.25 | 0.00 | 21.25 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 77.7 | 0.0 | 0. | 0.00 |
| 167 | 18.400 | 31.80 | 0.0 | 0.0 | 0.0 | 5.99 | 21.21 | 0.00 | 21.21 | 0.00 | 1.92 | 0.11 | 0.09 | 2.11 | 0.00 | 77.3 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 168 | 18.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.04 | 21.18 | 0.00 | 21.18 | 0.00 | 1.92 | 0.11 | 0.08 | 2.11 | 0.00 | 76.9 | 0.0 | 0. | 0.00 |
| 169 | 18.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.09 | 21.15 | 0.00 | 21.15 | 0.00 | 1.92 | 0.11 | 0.08 | 2.10 | 0.00 | 76.5 | 0.0 | 0. | 0.00 |
| 170 | 18.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.14 | 21.11 | 0.00 | 21.11 | 0.00 | 1.92 | 0.11 | 0.07 | 2.10 | 0.00 | 76.2 | 0.0 | 0. | 0.00 |
| 171 | 18.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.19 | 21.08 | 0.00 | 21.08 | 0.00 | 1.92 | 0.11 | 0.07 | 2.09 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 172 | 17.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.23 | 21.05 | 0.00 | 21.05 | 0.00 | 1.91 | 0.11 | 0.07 | 2.09 | 0.00 | 75.4 | 0.0 | 0. | 0.00 |
| 173 | 17.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.28 | 21.01 | 0.00 | 21.01 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 75.0 | 0.0 | 0. | 0.00 |
| 174 | 17.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.32 | 20.98 | 0.00 | 20.98 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 74.6 | 0.0 | 0. | 0.00 |
| 175 | 17.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.37 | 20.95 | 0.00 | 20.95 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 74.2 | 0.0 | 0. | 0.00 |
| 176 | 17.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.41 | 20.91 | 0.00 | 20.91 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 73.8 | 0.0 | 0. | 0.00 |
| 177 | 17.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.45 | 20.88 | 0.00 | 20.88 | 0.00 | 1.91 | 0.11 | 0.05 | 2.06 | 0.00 | 73.5 | 0.0 | 0. | 0.00 |
| 178 | 17.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.49 | 20.85 | 0.00 | 20.85 | 0.00 | 1.91 | 0.11 | 0.04 | 2.06 | 0.00 | 73.1 | 0.0 | 0. | 0.00 |
| 179 | 17.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.53 | 20.82 | 0.00 | 20.82 | 0.00 | 1.91 | 0.11 | 0.04 | 2.05 | 0.00 | 72.7 | 0.0 | 0. | 0.00 |
| 180 | 17.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.57 | 20.78 | 0.00 | 20.78 | 0.00 | 1.91 | 0.11 | 0.03 | 2.05 | 0.00 | 72.3 | 0.0 | 0. | 0.00 |
| 181 | 17.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.61 | 20.75 | 0.00 | 20.75 | 0.00 | 1.90 | 0.11 | 0.03 | 2.05 | 0.00 | 71.9 | 0.0 | 0. | 0.00 |
| 182 | 16.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.65 | 20.72 | 0.00 | 20.72 | 0.00 | 1.90 | 0.11 | 0.03 | 2.04 | 0.00 | 71.5 | 0.0 | 0. | 0.00 |
| 183 | 16.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.69 | 20.68 | 0.00 | 20.68 | 0.00 | 1.90 | 0.11 | 0.02 | 2.04 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 184 | 16.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.72 | 20.65 | 0.00 | 20.65 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.8 | 0.0 | 0. | 0.00 |
| 185 | 16.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.76 | 20.62 | 0.00 | 20.62 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.4 | 0.0 | 0. | 0.00 |
| 186 | 16.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.80 | 20.59 | 0.00 | 20.59 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 70.0 | 0.0 | 0. | 0.00 |
| 187 | 16.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.83 | 20.55 | 0.00 | 20.55 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 69.6 | 0.0 | 0. | 0.00 |
| 188 | 16.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.86 | 20.52 | 0.00 | 20.52 | 0.00 | 1.90 | 0.11 | 0.01 | 2.01 | 0.00 | 69.2 | 0.0 | 0. | 0.00 |
| 189 | 16.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.90 | 20.49 | 0.00 | 20.49 | 0.00 | 1.90 | 0.11 | 0.00 | 2.01 | 0.00 | 68.8 | 0.0 | 0. | 0.00 |
| 190 | 16.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.93 | 20.46 | 0.00 | 20.46 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.5 | 0.0 | 0. | 0.00 |
| 191 | 16.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.96 | 20.42 | 0.00 | 20.42 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.1 | 0.0 | 0. | 0.00 |
| 192 | 15.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.99 | 20.39 | 0.00 | 20.39 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.7 | 0.0 | 0. | 0.00 |
| 193 | 15.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.02 | 20.36 | 0.00 | 20.36 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.3 | 0.0 | 0. | 0.00 |
| 194 | 15.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.05 | 20.33 | 0.00 | 20.33 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.9 | 0.0 | 0. | 0.00 |
| 195 | 15.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.08 | 20.30 | 0.00 | 20.30 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.5 | 0.0 | 0. | 0.00 |
| 196 | 15.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.11 | 20.26 | 0.00 | 20.26 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.2 | 0.0 | 0. | 0.00 |
| 197 | 15.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.14 | 20.23 | 0.00 | 20.23 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.8 | 0.0 | 0. | 0.00 |
| 198 | 15.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.16 | 20.20 | 0.00 | 20.20 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.4 | 0.0 | 0. | 0.00 |
| 199 | 15.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.19 | 20.17 | 0.00 | 20.17 | 0.00 | 1.88 | 0.11 | 0.00 | 2.00 | 0.00 | 65.0 | 0.0 | 0. | 0.00 |
| 200 | 15.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.21 | 20.14 | 0.00 | 20.14 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.6 | 0.0 | 0. | 0.00 |
| 201 | 15.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.24 | 20.10 | 0.00 | 20.10 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.2 | 0.0 | 0. | 0.00 |
| 202 | 14.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.26 | 20.07 | 0.00 | 20.07 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.8 | 0.0 | 0. | 0.00 |
| 203 | 14.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.29 | 20.04 | 0.00 | 20.04 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.5 | 0.0 | 0. | 0.00 |
| 204 | 14.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.31 | 20.01 | 0.00 | 20.01 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.1 | 0.0 | 0. | 0.00 |
| 205 | 14.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.33 | 19.98 | 0.00 | 19.98 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.7 | 0.0 | 0. | 0.00 |
| 206 | 14.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 19.95 | 0.00 | 19.95 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.3 | 0.0 | 0. | 0.00 |
| 207 | 14.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 19.91 | 0.00 | 19.91 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.9 | 0.0 | 0. | 0.00 |
| 208 | 14.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.39 | 19.88 | 0.00 | 19.88 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.5 | 0.0 | 0. | 0.00 |
| 209 | 14.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.41 | 19.85 | 0.00 | 19.85 | 0.00 | 1.87 | 0.11 | 0.00 | 1.99 | 0.00 | 61.2 | 0.0 | 0. | 0.00 |
| 210 | 14.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.43 | 19.82 | 0.00 | 19.82 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.8 | 0.0 | 0. | 0.00 |
| 211 | 14.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.45 | 19.78 | 0.00 | 19.78 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.4 | 0.0 | 0. | 0.00 |
| 212 | 13.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.0 | 0.0 | 0. | 0.00 |
| 213 | 13.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.22 | 17.83 | 0.00 | 17.83 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.5 | 0.0 | 0. | 0.00 |
| 214 | 13.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.25 | 17.79 | 0.00 | 17.79 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.0 | 0.0 | 0. | 0.00 |
| 215 | 13.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.29 | 17.75 | 0.00 | 17.75 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 58.5 | 0.0 | 0. | 0.00 |
| 216 | 13.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.32 | 17.71 | 0.00 | 17.71 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 58.0 | 0.0 | 0. | 0.00 |
| 217 | 13.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 17.67 | 0.00 | 17.67 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | 13.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 17.63 | 0.00 | 17.63 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.0 | 0.0 | 0. | 0.00 |
| 219 | 13.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.40 | 17.59 | 0.00 | 17.59 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.5 | 0.0 | 0. | 0.00 |
| 220 | 13.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.43 | 17.56 | 0.00 | 17.56 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.0 | 0.0 | 0. | 0.00 |
| 221 | 13.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.45 | 17.52 | 0.00 | 17.52 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.5 | 0.0 | 0. | 0.00 |
| 222 | 12.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.48 | 17.48 | 0.00 | 17.48 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.0 | 0.0 | 0. | 0.00 |
| 223 | 12.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.50 | 17.44 | 0.00 | 17.44 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 54.5 | 0.0 | 0. | 0.00 |
| 224 | 12.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.52 | 17.40 | 0.00 | 17.40 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 54.0 | 0.0 | 0. | 0.00 |
| 225 | 12.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.54 | 17.36 | 0.00 | 17.36 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 53.5 | 0.0 | 0. | 0.00 |
| 226 | 12.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.56 | 17.32 | 0.00 | 17.32 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 227 | 12.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.58 | 17.29 | 0.00 | 17.29 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.5 | 0.0 | 0. | 0.00 |
| 228 | 12.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.59 | 17.25 | 0.00 | 17.25 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.0 | 0.0 | 0. | 0.00 |
| 229 | 12.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.61 | 17.21 | 0.00 | 17.21 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.5 | 0.0 | 0. | 0.00 |
| 230 | 12.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.63 | 17.17 | 0.00 | 17.17 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.0 | 0.0 | 0. | 0.00 |
| 231 | 12.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.64 | 17.13 | 0.00 | 17.13 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.5 | 0.0 | 0. | 0.00 |
| 232 | 11.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.65 | 17.09 | 0.00 | 17.09 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 233 | 11.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.67 | 17.06 | 0.00 | 17.06 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.5 | 0.0 | 0. | 0.00 |
| 234 | 11.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.68 | 17.02 | 0.00 | 17.02 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.0 | 0.0 | 0. | 0.00 |
| 235 | 11.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.69 | 16.98 | 0.00 | 16.98 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.5 | 0.0 | 0. | 0.00 |
| 236 | 11.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.94 | 0.00 | 16.94 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.0 | 0.0 | 0. | 0.00 |
| 237 | 11.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.91 | 0.00 | 16.91 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 47.5 | 0.0 | 0. | 0.00 |
| 238 | 11.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.87 | 0.00 | 16.87 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 239 | 11.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.83 | 0.00 | 16.83 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 46.5 | 0.0 | 0. | 0.00 |
| 240 | 11.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.79 | 0.00 | 16.79 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 46.0 | 0.0 | 0. | 0.00 |
| 241 | 11.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.76 | 0.00 | 16.76 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.5 | 0.0 | 0. | 0.00 |
| 242 | 10.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.72 | 0.00 | 16.72 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.0 | 0.0 | 0. | 0.00 |
| 243 | 10.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.68 | 0.00 | 16.68 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.5 | 0.0 | 0. | 0.00 |
| 244 | 10.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.65 | 0.00 | 16.65 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.0 | 0.0 | 0. | 0.00 |
| 245 | 10.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.74 | 16.61 | 0.00 | 16.61 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 43.5 | 0.0 | 0. | 0.00 |
| 246 | 10.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.74 | 16.57 | 0.00 | 16.57 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 43.0 | 0.0 | 0. | 0.00 |
| 247 | 10.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.54 | 0.00 | 16.54 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.5 | 0.0 | 0. | 0.00 |
| 248 | 10.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.50 | 0.00 | 16.50 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |
| 249 | 10.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.46 | 0.00 | 16.46 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.5 | 0.0 | 0. | 0.00 |
| 250 | 10.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.73 | 16.43 | 0.00 | 16.43 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.0 | 0.0 | 0. | 0.00 |
| 251 | 10.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.39 | 0.00 | 16.39 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.5 | 0.0 | 0. | 0.00 |
| 252 | 9.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 253 | 9.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 1.93 | 0.00 | 39.7 | 0.0 | 0. | 0.00 |
| 254 | 9.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.71 | 16.28 | 0.00 | 16.28 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.5 | 0.0 | 0. | 0.00 |
| 255 | 9.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.70 | 16.22 | 0.00 | 16.22 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.2 | 0.0 | 0. | 0.00 |
| 256 | 9.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.69 | 16.16 | 0.00 | 16.16 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 257 | 9.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.67 | 16.10 | 0.00 | 16.10 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.7 | 0.0 | 0. | 0.00 |
| 258 | 9.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.66 | 16.05 | 0.00 | 16.05 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.5 | 0.0 | 0. | 0.00 |
| 259 | 9.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.65 | 15.99 | 0.00 | 15.99 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.2 | 0.0 | 0. | 0.00 |
| 260 | 9.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.64 | 15.93 | 0.00 | 15.93 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 261 | 9.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.63 | 15.88 | 0.00 | 15.88 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 262 | 8.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.62 | 15.82 | 0.00 | 15.82 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |
| 263 | 8.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.60 | 15.77 | 0.00 | 15.77 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 264 | 8.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.59 | 15.71 | 0.00 | 15.71 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 265 | 8.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.58 | 15.65 | 0.00 | 15.65 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.7 | 0.0 | 0. | 0.00 |
| 266 | 8.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.56 | 15.60 | 0.00 | 15.60 | 0.00 | 1.79 | 0.11 | 0.00 | 1.91 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 267 | 8.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.55 | 15.54 | 0.00 | 15.54 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 268 | 8.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.53 | 15.49 | 0.00 | 15.49 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.9 | 0.0 | 0. 0.00 |
| 269 | 8.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.52 | 15.44 | 0.00 | 15.44 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.7 | 0.0 | 0. 0.00 |
| 270 | 8.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.50 | 15.38 | 0.00 | 15.38 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.4 | 0.0 | 0. 0.00 |
| 271 | 8.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.49 | 15.33 | 0.00 | 15.33 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 35.2 | 0.0 | 0. 0.00 |
| 272 | 7.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.47 | 15.27 | 0.00 | 15.27 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.9 | 0.0 | 0. 0.00 |
| 273 | 7.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.46 | 15.22 | 0.00 | 15.22 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.7 | 0.0 | 0. 0.00 |
| 274 | 7.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.44 | 15.17 | 0.00 | 15.17 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.4 | 0.0 | 0. 0.00 |
| 275 | 7.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.42 | 15.11 | 0.00 | 15.11 | 0.00 | 1.77 | 0.11 | 0.00 | 1.89 | 0.00 | 34.2 | 0.0 | 0. 0.00 |
| 276 | 7.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.40 | 15.06 | 0.00 | 15.06 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.9 | 0.0 | 0. 0.00 |
| 277 | 7.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.39 | 15.01 | 0.00 | 15.01 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.7 | 0.0 | 0. 0.00 |
| 278 | 7.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.37 | 14.95 | 0.00 | 14.95 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.4 | 0.0 | 0. 0.00 |
| 279 | 7.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.35 | 14.90 | 0.00 | 14.90 | 0.00 | 1.76 | 0.11 | 0.00 | 1.88 | 0.00 | 33.1 | 0.0 | 0. 0.00 |
| 280 | 7.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.33 | 14.85 | 0.00 | 14.85 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.9 | 0.0 | 0. 0.00 |
| 281 | 7.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.31 | 14.80 | 0.00 | 14.80 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.6 | 0.0 | 0. 0.00 |
| 282 | 6.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.30 | 14.74 | 0.00 | 14.74 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.4 | 0.0 | 0. 0.00 |
| 283 | 6.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.28 | 14.69 | 0.00 | 14.69 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.1 | 0.0 | 0. 0.00 |
| 284 | 6.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.26 | 14.64 | 0.00 | 14.64 | 0.00 | 1.75 | 0.11 | 0.00 | 1.87 | 0.00 | 31.9 | 0.0 | 0. 0.00 |
| 285 | 6.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.24 | 14.59 | 0.00 | 14.59 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.6 | 0.0 | 0. 0.00 |
| 286 | 6.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.22 | 14.54 | 0.00 | 14.54 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.4 | 0.0 | 0. 0.00 |
| 287 | 6.400 | 31.80 | 0.0 | 0.0 | 0.0 | 7.20 | 14.49 | 0.00 | 14.49 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.1 | 0.0 | 0. 0.00 |
| 288 | 6.300 | 31.80 | 0.0 | 0.0 | 0.0 | 7.18 | 14.44 | 0.00 | 14.44 | 0.00 | 1.74 | 0.11 | 0.00 | 1.86 | 0.00 | 30.9 | 0.0 | 0. 0.00 |
| 289 | 6.200 | 31.80 | 0.0 | 0.0 | 0.0 | 7.16 | 14.39 | 0.00 | 14.39 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.6 | 0.0 | 0. 0.00 |
| 290 | 6.100 | 31.80 | 0.0 | 0.0 | 0.0 | 7.14 | 14.34 | 0.00 | 14.34 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.3 | 0.0 | 0. 0.00 |
| 291 | 6.000 | 31.80 | 0.0 | 0.0 | 0.0 | 7.11 | 14.29 | 0.00 | 14.29 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.1 | 0.0 | 0. 0.00 |
| 292 | 5.900 | 31.80 | 0.0 | 0.0 | 0.0 | 7.09 | 14.24 | 0.00 | 14.24 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 29.8 | 0.0 | 0. 0.00 |
| 293 | 5.800 | 31.80 | 0.0 | 0.0 | 0.0 | 7.07 | 14.19 | 0.00 | 14.19 | 0.00 | 1.73 | 0.11 | 0.00 | 1.85 | 0.00 | 29.6 | 0.0 | 0. 0.00 |
| 294 | 5.700 | 31.80 | 0.0 | 0.0 | 0.0 | 7.05 | 14.14 | 0.00 | 14.14 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.3 | 0.0 | 0. 0.00 |
| 295 | 5.600 | 31.80 | 0.0 | 0.0 | 0.0 | 7.03 | 14.09 | 0.00 | 14.09 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.1 | 0.0 | 0. 0.00 |
| 296 | 5.500 | 31.80 | 0.0 | 0.0 | 0.0 | 7.01 | 14.04 | 0.00 | 14.04 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 28.8 | 0.0 | 0. 0.00 |
| 297 | 5.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.98 | 13.99 | 0.00 | 13.99 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.6 | 0.0 | 0. 0.00 |
| 298 | 5.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.96 | 13.94 | 0.00 | 13.94 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.3 | 0.0 | 0. 0.00 |
| 299 | 5.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.94 | 13.89 | 0.00 | 13.89 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 28.1 | 0.0 | 0. 0.00 |
| 300 | 5.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.92 | 13.85 | 0.00 | 13.85 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.8 | 0.0 | 0. 0.00 |
| 301 | 5.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.89 | 13.80 | 0.00 | 13.80 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.6 | 0.0 | 0. 0.00 |
| 302 | 4.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.87 | 13.75 | 0.00 | 13.75 | 0.00 | 1.71 | 0.11 | 0.00 | 1.83 | 0.00 | 27.3 | 0.0 | 0. 0.00 |
| 303 | 4.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.85 | 13.70 | 0.00 | 13.70 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 27.0 | 0.0 | 0. 0.00 |
| 304 | 4.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.82 | 13.65 | 0.00 | 13.65 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.8 | 0.0 | 0. 0.00 |
| 305 | 4.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.80 | 13.61 | 0.00 | 13.61 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.5 | 0.0 | 0. 0.00 |
| 306 | 4.500 | 31.80 | 0.0 | 0.0 | 0.0 | 6.77 | 13.56 | 0.00 | 13.56 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.3 | 0.0 | 0. 0.00 |
| 307 | 4.400 | 31.80 | 0.0 | 0.0 | 0.0 | 6.75 | 13.51 | 0.00 | 13.51 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.0 | 0.0 | 0. 0.00 |
| 308 | 4.300 | 31.80 | 0.0 | 0.0 | 0.0 | 6.72 | 13.47 | 0.00 | 13.47 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.8 | 0.0 | 0. 0.00 |
| 309 | 4.200 | 31.80 | 0.0 | 0.0 | 0.0 | 6.70 | 13.42 | 0.00 | 13.42 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.5 | 0.0 | 0. 0.00 |
| 310 | 4.100 | 31.80 | 0.0 | 0.0 | 0.0 | 6.67 | 13.37 | 0.00 | 13.37 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.3 | 0.0 | 0. 0.00 |
| 311 | 4.000 | 31.80 | 0.0 | 0.0 | 0.0 | 6.65 | 13.33 | 0.00 | 13.33 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 25.0 | 0.0 | 0. 0.00 |
| 312 | 3.900 | 31.80 | 0.0 | 0.0 | 0.0 | 6.62 | 13.28 | 0.00 | 13.28 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 24.8 | 0.0 | 0. 0.00 |
| 313 | 3.800 | 31.80 | 0.0 | 0.0 | 0.0 | 6.60 | 13.23 | 0.00 | 13.23 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.5 | 0.0 | 0. 0.00 |
| 314 | 3.700 | 31.80 | 0.0 | 0.0 | 0.0 | 6.57 | 13.19 | 0.00 | 13.19 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.3 | 0.0 | 0. 0.00 |
| 315 | 3.600 | 31.80 | 0.0 | 0.0 | 0.0 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.0 | 0.0 | 0. 0.00 |
| 316 | 3.500 | 31.82 | 0.0 | 0.0 | 0.0 | 6.51 | 13.08 | 0.00 | 13.08 | 0.00 | 1.68 | 0.11 | 0.00 | 1.80 | 0.00 | 24.0 | 0.0 | 0. 0.00 |
| 317 | 3.400 | 31.83 | 0.0 | 0.0 | 0.0 | 6.48 | 13.02 | 0.00 | 13.02 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 318 | 3.300 | 31.85 | 0.0 | 0.0 | 0.0 | 6.45 | 12.96 | 0.00 | 12.96 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 319 | 3.200 | 31.87 | 0.0 | 0.0 | 0.0 | 6.42 | 12.90 | 0.00 | 12.90 | 0.00 | 1.67 | 0.11 | 0.00 | 1.79 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 320 | 3.100 | 31.88 | 0.0 | 0.0 | 0.0 | 6.39 | 12.84 | 0.00 | 12.84 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 321 | 3.000 | 31.90 | 0.0 | 0.0 | 0.0 | 6.36 | 12.79 | 0.00 | 12.79 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 322 | 2.900 | 31.92 | 0.0 | 0.0 | 0.0 | 6.34 | 12.73 | 0.00 | 12.73 | 0.00 | 1.66 | 0.11 | 0.00 | 1.78 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 323 | 2.800 | 31.93 | 0.0 | 0.0 | 0.0 | 6.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 324 | 2.700 | 31.95 | 0.0 | 0.0 | 0.0 | 6.28 | 12.61 | 0.00 | 12.61 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 325 | 2.600 | 31.97 | 0.0 | 0.0 | 0.0 | 6.26 | 12.56 | 0.00 | 12.56 | 0.00 | 1.65 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 326 | 2.500 | 31.98 | 0.0 | 0.0 | 0.0 | 6.23 | 12.50 | 0.00 | 12.50 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 327 | 2.400 | 32.00 | 0.0 | 0.0 | 0.0 | 6.21 | 12.44 | 0.00 | 12.44 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 328 | 2.300 | 32.02 | 0.0 | 0.0 | 0.0 | 6.19 | 12.39 | 0.00 | 12.39 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 329 | 2.200 | 32.03 | 0.0 | 0.0 | 0.0 | 6.16 | 12.33 | 0.00 | 12.33 | 0.00 | 1.64 | 0.11 | 0.00 | 1.76 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 330 | 2.100 | 32.05 | 0.0 | 0.0 | 0.0 | 6.14 | 12.28 | 0.00 | 12.28 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 331 | 2.000 | 32.07 | 0.0 | 0.0 | 0.0 | 6.12 | 12.22 | 0.00 | 12.22 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 332 | 1.900 | 32.08 | 0.0 | 0.0 | 0.0 | 6.10 | 12.17 | 0.00 | 12.17 | 0.00 | 1.63 | 0.11 | 0.00 | 1.75 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 333 | 1.800 | 32.10 | 0.0 | 0.0 | 0.0 | 6.08 | 12.11 | 0.00 | 12.11 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 334 | 1.700 | 32.12 | 0.0 | 0.0 | 0.0 | 6.06 | 12.06 | 0.00 | 12.06 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 335 | 1.600 | 32.13 | 0.0 | 0.0 | 0.0 | 6.04 | 12.01 | 0.00 | 12.01 | 0.00 | 1.62 | 0.11 | 0.00 | 1.74 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 336 | 1.500 | 32.15 | 0.0 | 0.0 | 0.0 | 6.02 | 11.95 | 0.00 | 11.95 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 337 | 1.400 | 32.17 | 0.0 | 0.0 | 0.0 | 6.01 | 11.90 | 0.00 | 11.90 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 338 | 1.300 | 32.18 | 0.0 | 0.0 | 0.0 | 5.99 | 11.85 | 0.00 | 11.85 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 339 | 1.200 | 32.20 | 0.0 | 0.0 | 0.0 | 5.97 | 11.79 | 0.00 | 11.79 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 340 | 1.100 | 32.22 | 0.0 | 0.0 | 0.0 | 5.96 | 11.74 | 0.00 | 11.74 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 341 | 1.000 | 32.23 | 0.0 | 0.0 | 0.0 | 5.94 | 11.69 | 0.00 | 11.69 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 342 | 0.900 | 32.25 | 0.0 | 0.0 | 0.0 | 5.93 | 11.63 | 0.00 | 11.63 | 0.00 | 1.60 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 343 | 0.800 | 32.27 | 0.0 | 0.0 | 0.0 | 5.91 | 11.58 | 0.00 | 11.58 | 0.00 | 1.60 | 0.11 | 0.00 | 1.71 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 344 | 0.700 | 32.28 | 0.0 | 0.0 | 0.0 | 5.90 | 11.49 | 0.00 | 11.49 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 345 | 0.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 526 | 0.500 | 32.28 | 0.0 | 0.0 | 0.0 | 6.15 | 9.10 | 0.00 | 9.10 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 527 | 0.400 | 32.27 | 0.0 | 0.0 | 0.0 | 6.15 | 9.09 | 0.00 | 9.09 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 528 | 0.300 | 32.25 | 0.0 | 0.0 | 0.0 | 6.14 | 9.08 | 0.00 | 9.08 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 529 | 0.200 | 32.23 | 0.0 | 0.0 | 0.0 | 6.14 | 9.07 | 0.00 | 9.07 | 0.00 | 2.12 | 0.13 | 0.00 | 2.24 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 530 | 0.100 | 32.22 | 0.0 | 0.0 | 0.0 | 6.14 | 9.02 | 0.00 | 9.02 | 0.00 | 2.10 | 0.13 | 0.00 | 2.23 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 531 | 0.000 | 32.20 | 0.0 | 0.0 | 0.0 | 6.13 | 8.31 | 0.00 | 8.31 | 0.00 | 1.89 | 0.12 | 0.00 | 2.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Station 935

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A | MACRO #/100mL | COLI | NCM * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 17.900 | 31.48 | 0.0 | 0.0 | 0.0 | 5.03 | 2.95 | 0.00 | 2.95 | 0.00 | 0.86 | 0.10 | 0.00 | 0.96 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 347 | 17.800 | 31.45 | 0.0 | 0.0 | 0.0 | 5.08 | 2.54 | 0.00 | 2.54 | 0.00 | 0.82 | 0.10 | 0.00 | 0.92 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 348 | 17.700 | 31.43 | 0.0 | 0.0 | 0.0 | 5.14 | 2.19 | 0.00 | 2.19 | 0.00 | 0.78 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 349 | 17.600 | 31.41 | 0.0 | 0.0 | 0.0 | 5.20 | 1.89 | 0.00 | 1.89 | 0.00 | 0.75 | 0.09 | 0.00 | 0.84 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 350 | 17.500 | 31.39 | 0.0 | 0.0 | 0.0 | 5.26 | 1.63 | 0.00 | 1.63 | 0.00 | 0.71 | 0.09 | 0.00 | 0.80 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 351 | 17.400 | 31.36 | 0.0 | 0.0 | 0.0 | 5.32 | 1.40 | 0.00 | 1.40 | 0.00 | 0.68 | 0.08 | 0.00 | 0.76 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 352 | 17.300 | 31.34 | 0.0 | 0.0 | 0.0 | 5.37 | 1.21 | 0.00 | 1.21 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 353 | 17.200 | 31.32 | 0.0 | 0.0 | 0.0 | 5.42 | 1.04 | 0.00 | 1.04 | 0.00 | 0.62 | 0.08 | 0.00 | 0.70 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 354 | 17.100 | 31.30 | 0.0 | 0.0 | 0.0 | 5.46 | 0.90 | 0.00 | 0.90 | 0.00 | 0.59 | 0.07 | 0.00 | 0.66 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 355 | 17.000 | 31.27 | 0.0 | 0.0 | 0.0 | 5.50 | 0.78 | 0.00 | 0.78 | 0.00 | 0.57 | 0.07 | 0.00 | 0.63 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 356 | 16.900 | 31.25 | 0.0 | 0.0 | 0.0 | 5.53 | 0.67 | 0.00 | 0.67 | 0.00 | 0.54 | 0.07 | 0.00 | 0.61 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |
| 357 | 16.800 | 31.23 | 0.0 | 0.0 | 0.0 | 5.56 | 0.58 | 0.00 | 0.58 | 0.00 | 0.52 | 0.06 | 0.00 | 0.58 | 0.00 | 10.0 | 0.0 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 358 | 16.700 | 31.20 | 0.0 | 0.0 | 0.0 | 5.59 | 0.50 | 0.00 | 0.50 | 0.00 | 0.49 | 0.06 | 0.00 | 0.55 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 359 | 16.600 | 31.18 | 0.0 | 0.0 | 0.0 | 5.61 | 0.43 | 0.00 | 0.43 | 0.00 | 0.47 | 0.06 | 0.00 | 0.53 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 360 | 16.500 | 31.16 | 0.0 | 0.0 | 0.0 | 5.64 | 0.37 | 0.00 | 0.37 | 0.00 | 0.45 | 0.06 | 0.00 | 0.50 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 361 | 16.400 | 31.14 | 0.0 | 0.0 | 0.0 | 5.66 | 0.32 | 0.00 | 0.32 | 0.00 | 0.43 | 0.05 | 0.00 | 0.48 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 362 | 16.300 | 31.11 | 0.0 | 0.0 | 0.0 | 5.68 | 0.28 | 0.00 | 0.28 | 0.00 | 0.41 | 0.05 | 0.00 | 0.46 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 363 | 16.200 | 31.09 | 0.0 | 0.0 | 0.0 | 5.69 | 0.24 | 0.00 | 0.24 | 0.00 | 0.39 | 0.05 | 0.00 | 0.44 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 364 | 16.100 | 31.07 | 0.0 | 0.0 | 0.0 | 5.71 | 0.21 | 0.00 | 0.21 | 0.00 | 0.37 | 0.05 | 0.00 | 0.42 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 365 | 16.000 | 31.05 | 0.0 | 0.0 | 0.0 | 5.73 | 0.18 | 0.00 | 0.18 | 0.00 | 0.36 | 0.04 | 0.00 | 0.40 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 366 | 15.900 | 31.02 | 0.0 | 0.0 | 0.0 | 5.74 | 0.15 | 0.00 | 0.15 | 0.00 | 0.34 | 0.04 | 0.00 | 0.38 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 367 | 15.800 | 31.00 | 0.0 | 0.0 | 0.0 | 5.75 | 0.13 | 0.00 | 0.13 | 0.00 | 0.32 | 0.04 | 0.00 | 0.37 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 368 | 15.700 | 31.00 | 0.0 | 0.0 | 0.0 | 7.04 | 2.80 | 0.00 | 2.80 | 0.00 | 0.74 | 0.08 | 0.00 | 0.82 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 369 | 15.600 | 31.00 | 0.0 | 0.0 | 0.0 | 7.03 | 2.93 | 0.00 | 2.93 | 0.00 | 0.77 | 0.08 | 0.00 | 0.86 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 370 | 15.500 | 31.00 | 0.0 | 0.0 | 0.0 | 7.03 | 2.96 | 0.00 | 2.96 | 0.00 | 0.78 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 371 | 15.400 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.97 | 0.00 | 2.97 | 0.00 | 0.79 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 372 | 15.300 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.87 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 373 | 15.200 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 374 | 15.100 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 375 | 15.000 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 376 | 14.900 | 31.00 | 0.0 | 0.0 | 0.0 | 7.02 | 2.98 | 0.00 | 2.98 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 10.0 | 0.0 | 0. | 0.00 |
| 377 | 14.800 | 31.04 | 0.0 | 0.0 | 0.0 | 6.26 | 3.60 | 0.00 | 3.60 | 0.00 | 1.06 | 0.09 | 0.00 | 1.16 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |
| 378 | 14.700 | 31.08 | 0.0 | 0.0 | 0.0 | 5.93 | 4.05 | 0.00 | 4.05 | 0.00 | 1.27 | 0.10 | 0.00 | 1.37 | 0.00 | 12.3 | 0.0 | 0. | 0.00 |
| 379 | 14.600 | 31.12 | 0.0 | 0.0 | 0.0 | 5.79 | 4.38 | 0.00 | 4.38 | 0.00 | 1.43 | 0.11 | 0.00 | 1.54 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 380 | 14.500 | 31.15 | 0.0 | 0.0 | 0.0 | 5.76 | 4.63 | 0.00 | 4.63 | 0.00 | 1.56 | 0.12 | 0.00 | 1.68 | 0.00 | 14.6 | 0.0 | 0. | 0.00 |
| 381 | 14.400 | 31.19 | 0.0 | 0.0 | 0.0 | 5.77 | 4.82 | 0.00 | 4.82 | 0.00 | 1.67 | 0.13 | 0.00 | 1.80 | 0.00 | 15.8 | 0.0 | 0. | 0.00 |
| 382 | 14.300 | 31.23 | 0.0 | 0.0 | 0.0 | 5.82 | 4.98 | 0.00 | 4.98 | 0.00 | 1.75 | 0.13 | 0.00 | 1.89 | 0.00 | 16.9 | 0.0 | 0. | 0.00 |
| 383 | 14.200 | 31.27 | 0.0 | 0.0 | 0.0 | 5.88 | 5.10 | 0.00 | 5.10 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 18.1 | 0.0 | 0. | 0.00 |
| 384 | 14.100 | 31.31 | 0.0 | 0.0 | 0.0 | 5.96 | 5.19 | 0.00 | 5.19 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 385 | 14.000 | 31.35 | 0.0 | 0.0 | 0.0 | 6.04 | 5.27 | 0.00 | 5.27 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 386 | 13.900 | 31.38 | 0.0 | 0.0 | 0.0 | 6.13 | 5.34 | 0.00 | 5.34 | 0.00 | 1.98 | 0.15 | 0.00 | 2.13 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 387 | 13.800 | 31.42 | 0.0 | 0.0 | 0.0 | 6.22 | 5.39 | 0.00 | 5.39 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 22.7 | 0.0 | 0. | 0.00 |
| 388 | 13.700 | 31.46 | 0.0 | 0.0 | 0.0 | 6.31 | 5.43 | 0.00 | 5.43 | 0.00 | 2.05 | 0.16 | 0.00 | 2.21 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 389 | 13.600 | 31.50 | 0.0 | 0.0 | 0.0 | 6.41 | 5.47 | 0.00 | 5.47 | 0.00 | 2.07 | 0.16 | 0.00 | 2.24 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 390 | 13.500 | 31.50 | 0.0 | 0.0 | 0.0 | 6.29 | 5.50 | 0.00 | 5.50 | 0.00 | 2.06 | 0.16 | 0.00 | 2.22 | 0.00 | 26.4 | 0.0 | 0. | 0.00 |
| 391 | 13.400 | 31.50 | 0.0 | 0.0 | 0.0 | 6.18 | 5.53 | 0.00 | 5.53 | 0.00 | 2.04 | 0.16 | 0.00 | 2.20 | 0.00 | 27.9 | 0.0 | 0. | 0.00 |
| 392 | 13.300 | 31.50 | 0.0 | 0.0 | 0.0 | 6.09 | 5.56 | 0.00 | 5.56 | 0.00 | 2.03 | 0.16 | 0.00 | 2.19 | 0.00 | 29.3 | 0.0 | 0. | 0.00 |
| 393 | 13.200 | 31.50 | 0.0 | 0.0 | 0.0 | 6.01 | 5.59 | 0.00 | 5.59 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 30.8 | 0.0 | 0. | 0.00 |
| 394 | 13.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.95 | 5.61 | 0.00 | 5.61 | 0.00 | 2.00 | 0.16 | 0.00 | 2.15 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 395 | 13.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.90 | 5.64 | 0.00 | 5.64 | 0.00 | 1.98 | 0.15 | 0.00 | 2.14 | 0.00 | 33.7 | 0.0 | 0. | 0.00 |
| 396 | 12.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.86 | 5.67 | 0.00 | 5.67 | 0.00 | 1.97 | 0.15 | 0.00 | 2.12 | 0.00 | 35.1 | 0.0 | 0. | 0.00 |
| 397 | 12.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.84 | 5.69 | 0.00 | 5.69 | 0.00 | 1.95 | 0.15 | 0.00 | 2.10 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 398 | 12.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.83 | 5.72 | 0.00 | 5.72 | 0.00 | 1.94 | 0.15 | 0.00 | 2.09 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 399 | 12.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.82 | 5.74 | 0.00 | 5.74 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 400 | 12.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.81 | 5.75 | 0.00 | 5.75 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 401 | 12.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.81 | 5.76 | 0.00 | 5.76 | 0.00 | 1.92 | 0.15 | 0.00 | 2.07 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 402 | 12.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.80 | 5.78 | 0.00 | 5.78 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 403 | 12.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.80 | 5.79 | 0.00 | 5.79 | 0.00 | 1.91 | 0.15 | 0.00 | 2.06 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 404 | 12.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.79 | 5.81 | 0.00 | 5.81 | 0.00 | 1.90 | 0.15 | 0.00 | 2.05 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 405 | 12.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.78 | 5.82 | 0.00 | 5.82 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 406 | 11.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.78 | 5.83 | 0.00 | 5.83 | 0.00 | 1.89 | 0.15 | 0.00 | 2.04 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 407 | 11.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.77 | 5.85 | 0.00 | 5.85 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 408 | 11.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.77 | 5.86 | 0.00 | 5.86 | 0.00 | 1.88 | 0.15 | 0.00 | 2.02 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 409 | 11.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.76 | 5.87 | 0.00 | 5.87 | 0.00 | 1.87 | 0.15 | 0.00 | 2.02 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 410 | 11.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.76 | 5.89 | 0.00 | 5.89 | 0.00 | 1.86 | 0.14 | 0.00 | 2.01 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 411 | 11.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.75 | 5.90 | 0.00 | 5.90 | 0.00 | 1.86 | 0.14 | 0.00 | 2.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 412 | 11.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.75 | 5.91 | 0.00 | 5.91 | 0.00 | 1.85 | 0.14 | 0.00 | 2.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 413 | 11.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.92 | 0.00 | 5.92 | 0.00 | 1.85 | 0.14 | 0.00 | 1.99 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 414 | 11.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.94 | 0.00 | 5.94 | 0.00 | 1.84 | 0.14 | 0.00 | 1.99 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 415 | 11.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.74 | 5.95 | 0.00 | 5.95 | 0.00 | 1.84 | 0.14 | 0.00 | 1.98 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 416 | 10.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.73 | 5.96 | 0.00 | 5.96 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 417 | 10.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.73 | 5.97 | 0.00 | 5.97 | 0.00 | 1.83 | 0.14 | 0.00 | 1.97 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 418 | 10.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.70 | 6.00 | 0.00 | 6.00 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 419 | 10.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.67 | 6.03 | 0.00 | 6.03 | 0.00 | 1.81 | 0.14 | 0.00 | 1.95 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 420 | 10.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.65 | 6.05 | 0.00 | 6.05 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 421 | 10.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.62 | 6.08 | 0.00 | 6.08 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 422 | 10.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.60 | 6.10 | 0.00 | 6.10 | 0.00 | 1.79 | 0.14 | 0.00 | 1.93 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 423 | 10.200 | 31.50 | 0.0 | 0.0 | 0.0 | 5.58 | 6.13 | 0.00 | 6.13 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 424 | 10.100 | 31.50 | 0.0 | 0.0 | 0.0 | 5.55 | 6.15 | 0.00 | 6.15 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 425 | 10.000 | 31.50 | 0.0 | 0.0 | 0.0 | 5.53 | 6.17 | 0.00 | 6.17 | 0.00 | 1.77 | 0.14 | 0.00 | 1.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 426 | 9.900 | 31.50 | 0.0 | 0.0 | 0.0 | 5.51 | 6.20 | 0.00 | 6.20 | 0.00 | 1.76 | 0.14 | 0.00 | 1.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 427 | 9.800 | 31.50 | 0.0 | 0.0 | 0.0 | 5.49 | 6.22 | 0.00 | 6.22 | 0.00 | 1.76 | 0.14 | 0.00 | 1.89 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 428 | 9.700 | 31.50 | 0.0 | 0.0 | 0.0 | 5.47 | 6.25 | 0.00 | 6.25 | 0.00 | 1.75 | 0.14 | 0.00 | 1.89 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 429 | 9.600 | 31.50 | 0.0 | 0.0 | 0.0 | 5.45 | 6.27 | 0.00 | 6.27 | 0.00 | 1.75 | 0.14 | 0.00 | 1.88 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 430 | 9.500 | 31.50 | 0.0 | 0.0 | 0.0 | 5.42 | 6.36 | 0.00 | 6.36 | 0.00 | 1.78 | 0.13 | 0.00 | 1.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 431 | 9.400 | 31.50 | 0.0 | 0.0 | 0.0 | 5.26 | 8.06 | 0.00 | 8.06 | 0.00 | 2.82 | 0.09 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 432 | 9.300 | 31.50 | 0.0 | 0.0 | 0.0 | 5.29 | 8.05 | 0.00 | 8.05 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 433 | 9.200 | 31.57 | 0.0 | 0.0 | 0.0 | 5.31 | 8.03 | 0.00 | 8.03 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 434 | 9.100 | 31.63 | 0.0 | 0.0 | 0.0 | 5.34 | 8.02 | 0.00 | 8.02 | 0.00 | 2.82 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 435 | 9.000 | 31.70 | 0.0 | 0.0 | 0.0 | 5.38 | 8.01 | 0.00 | 8.01 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 436 | 8.900 | 31.77 | 0.0 | 0.0 | 0.0 | 5.41 | 7.99 | 0.00 | 7.99 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 437 | 8.800 | 31.83 | 0.0 | 0.0 | 0.0 | 5.44 | 7.98 | 0.00 | 7.98 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 438 | 8.700 | 31.90 | 0.0 | 0.0 | 0.0 | 5.47 | 7.96 | 0.00 | 7.96 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 439 | 8.600 | 31.97 | 0.0 | 0.0 | 0.0 | 5.50 | 7.95 | 0.00 | 7.95 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 440 | 8.500 | 32.03 | 0.0 | 0.0 | 0.0 | 5.53 | 7.93 | 0.00 | 7.93 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 441 | 8.400 | 32.10 | 0.0 | 0.0 | 0.0 | 5.56 | 7.92 | 0.00 | 7.92 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 442 | 8.300 | 32.17 | 0.0 | 0.0 | 0.0 | 5.59 | 7.90 | 0.00 | 7.90 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 443 | 8.200 | 32.23 | 0.0 | 0.0 | 0.0 | 5.62 | 7.89 | 0.00 | 7.89 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 444 | 8.100 | 32.30 | 0.0 | 0.0 | 0.0 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 2.90 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 445 | 8.000 | 32.30 | 0.0 | 0.0 | 0.0 | 5.67 | 7.86 | 0.00 | 7.86 | 0.00 | 2.79 | 0.11 | 0.00 | 2.90 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 446 | 7.900 | 32.30 | 0.0 | 0.0 | 0.0 | 5.70 | 7.85 | 0.00 | 7.85 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.8 | 0.0 | 0. | 0.00 |
| 447 | 7.800 | 32.30 | 0.0 | 0.0 | 0.0 | 5.72 | 7.84 | 0.00 | 7.84 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 448 | 7.700 | 32.30 | 0.0 | 0.0 | 0.0 | 5.75 | 7.82 | 0.00 | 7.82 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 449 | 7.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.77 | 7.81 | 0.00 | 7.81 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.5 | 0.0 | 0. | 0.00 |
| 450 | 7.500 | 32.30 | 0.0 | 0.0 | 0.0 | 5.79 | 7.80 | 0.00 | 7.80 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.3 | 0.0 | 0. | 0.00 |
| 451 | 7.400 | 32.30 | 0.0 | 0.0 | 0.0 | 5.82 | 7.78 | 0.00 | 7.78 | 0.00 | 2.78 | 0.11 | 0.00 | 2.88 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 452 | 7.300 | 32.30 | 0.0 | 0.0 | 0.0 | 5.84 | 7.77 | 0.00 | 7.77 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 453 | 7.200 | 32.30 | 0.0 | 0.0 | 0.0 | 5.86 | 7.76 | 0.00 | 7.76 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 454 | 7.100 | 32.30 | 0.0 | 0.0 | 0.0 | 5.88 | 7.75 | 0.00 | 7.75 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 455 | 7.000 | 32.30 | 0.0 | 0.0 | 0.0 | 5.90 | 7.73 | 0.00 | 7.73 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.8 | 0.0 | 0. | 0.00 |
| 456 | 6.900 | 32.30 | 0.0 | 0.0 | 0.0 | 5.92 | 7.72 | 0.00 | 7.72 | 0.00 | 2.76 | 0.11 | 0.00 | 2.88 | 0.00 | 36.7 | 0.0 | 0. | 0.00 |
| 457 | 6.800 | 32.30 | 0.0 | 0.0 | 0.0 | 5.94 | 7.71 | 0.00 | 7.71 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 458 | 6.700 | 32.30 | 0.0 | 0.0 | 0.0 | 5.96 | 7.70 | 0.00 | 7.70 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |
| 459 | 6.600 | 32.30 | 0.0 | 0.0 | 0.0 | 5.98 | 7.68 | 0.00 | 7.68 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 460 | 6.500 | 32.30 | 0.0 | 0.0 | 0.0 | 5.99 | 7.67 | 0.00 | 7.67 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 461 | 6.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.01 | 7.66 | 0.00 | 7.66 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 462 | 6.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.03 | 7.65 | 0.00 | 7.65 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 463 | 6.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.05 | 7.63 | 0.00 | 7.63 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |
| 464 | 6.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.06 | 7.62 | 0.00 | 7.62 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.8 | 0.0 | 0. | 0.00 |
| 465 | 6.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.08 | 7.61 | 0.00 | 7.61 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.7 | 0.0 | 0. | 0.00 |
| 466 | 5.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.09 | 7.60 | 0.00 | 7.60 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.6 | 0.0 | 0. | 0.00 |
| 467 | 5.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.11 | 7.58 | 0.00 | 7.58 | 0.00 | 2.74 | 0.12 | 0.00 | 2.85 | 0.00 | 35.5 | 0.0 | 0. | 0.00 |
| 468 | 5.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.12 | 7.57 | 0.00 | 7.57 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 469 | 5.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.14 | 7.56 | 0.00 | 7.56 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 470 | 5.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.15 | 7.55 | 0.00 | 7.55 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 471 | 5.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.16 | 7.54 | 0.00 | 7.54 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 472 | 5.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.18 | 7.52 | 0.00 | 7.52 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.9 | 0.0 | 0. | 0.00 |
| 473 | 5.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.19 | 7.51 | 0.00 | 7.51 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.8 | 0.0 | 0. | 0.00 |
| 474 | 5.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.20 | 7.50 | 0.00 | 7.50 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.7 | 0.0 | 0. | 0.00 |
| 475 | 5.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.21 | 7.49 | 0.00 | 7.49 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 476 | 4.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.22 | 7.48 | 0.00 | 7.48 | 0.00 | 2.71 | 0.12 | 0.00 | 2.84 | 0.00 | 34.5 | 0.0 | 0. | 0.00 |
| 477 | 4.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.23 | 7.46 | 0.00 | 7.46 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 478 | 4.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.24 | 7.45 | 0.00 | 7.45 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 479 | 4.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.26 | 7.44 | 0.00 | 7.44 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.2 | 0.0 | 0. | 0.00 |
| 480 | 4.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.27 | 7.43 | 0.00 | 7.43 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 481 | 4.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.27 | 7.42 | 0.00 | 7.42 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 33.9 | 0.0 | 0. | 0.00 |
| 482 | 4.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.28 | 7.40 | 0.00 | 7.40 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.8 | 0.0 | 0. | 0.00 |
| 483 | 4.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.29 | 7.39 | 0.00 | 7.39 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.7 | 0.0 | 0. | 0.00 |
| 484 | 4.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.30 | 7.38 | 0.00 | 7.38 | 0.00 | 2.70 | 0.13 | 0.00 | 2.82 | 0.00 | 33.6 | 0.0 | 0. | 0.00 |
| 485 | 4.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.31 | 7.37 | 0.00 | 7.37 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 486 | 3.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.32 | 7.36 | 0.00 | 7.36 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.4 | 0.0 | 0. | 0.00 |
| 487 | 3.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.33 | 7.35 | 0.00 | 7.35 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.3 | 0.0 | 0. | 0.00 |
| 488 | 3.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.33 | 7.33 | 0.00 | 7.33 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 489 | 3.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.34 | 7.32 | 0.00 | 7.32 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 490 | 3.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.35 | 7.31 | 0.00 | 7.31 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.0 | 0.0 | 0. | 0.00 |
| 491 | 3.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.35 | 7.30 | 0.00 | 7.30 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.8 | 0.0 | 0. | 0.00 |
| 492 | 3.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.36 | 7.29 | 0.00 | 7.29 | 0.00 | 2.68 | 0.13 | 0.00 | 2.80 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |
| 493 | 3.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.37 | 7.28 | 0.00 | 7.28 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.6 | 0.0 | 0. | 0.00 |
| 494 | 3.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.37 | 7.27 | 0.00 | 7.27 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.5 | 0.0 | 0. | 0.00 |
| 495 | 3.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.38 | 7.25 | 0.00 | 7.25 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.4 | 0.0 | 0. | 0.00 |
| 496 | 2.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.38 | 7.24 | 0.00 | 7.24 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.3 | 0.0 | 0. | 0.00 |
| 497 | 2.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 7.23 | 0.00 | 7.23 | 0.00 | 2.66 | 0.13 | 0.00 | 2.80 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 498 | 2.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 7.22 | 0.00 | 7.22 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 499 | 2.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.40 | 7.21 | 0.00 | 7.21 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.0 | 0.0 | 0. | 0.00 |
| 500 | 2.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.40 | 7.20 | 0.00 | 7.20 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.9 | 0.0 | 0. | 0.00 |
| 501 | 2.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.19 | 0.00 | 7.19 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.8 | 0.0 | 0. | 0.00 |
| 502 | 2.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.18 | 0.00 | 7.18 | 0.00 | 2.65 | 0.13 | 0.00 | 2.79 | 0.00 | 31.6 | 0.0 | 0. | 0.00 |
| 503 | 2.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 7.17 | 0.00 | 7.17 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.5 | 0.0 | 0. | 0.00 |
| 504 | 2.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.15 | 0.00 | 7.15 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 505 | 2.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.14 | 0.00 | 7.14 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.3 | 0.0 | 0. | 0.00 |
| 506 | 1.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.13 | 0.00 | 7.13 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.2 | 0.0 | 0. | 0.00 |
| 507 | 1.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 7.12 | 0.00 | 7.12 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 508 | 1.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.11 | 0.00 | 7.11 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 31.0 | 0.0 | 0. | 0.00 |
| 509 | 1.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.10 | 0.00 | 7.10 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.9 | 0.0 | 0. | 0.00 |
| 510 | 1.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.09 | 0.00 | 7.09 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.8 | 0.0 | 0. | 0.00 |
| 511 | 1.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.08 | 0.00 | 7.08 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 512 | 1.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 7.07 | 0.00 | 7.07 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.5 | 0.0 | 0. | 0.00 |
| 513 | 1.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.06 | 0.00 | 7.06 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.4 | 0.0 | 0. | 0.00 |
| 514 | 1.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.3 | 0.0 | 0. | 0.00 |
| 515 | 1.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.03 | 0.00 | 7.03 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.2 | 0.0 | 0. | 0.00 |
| 516 | 0.900 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.02 | 0.00 | 7.02 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 517 | 0.800 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |
| 518 | 0.700 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 7.00 | 0.00 | 7.00 | 0.00 | 2.62 | 0.14 | 0.00 | 2.75 | 0.00 | 29.2 | 0.0 | 0. | 0.00 |
| 519 | 0.600 | 32.30 | 0.0 | 0.0 | 0.0 | 6.44 | 6.99 | 0.00 | 6.99 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 520 | 0.500 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 6.98 | 0.00 | 6.98 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.8 | 0.0 | 0. | 0.00 |
| 521 | 0.400 | 32.30 | 0.0 | 0.0 | 0.0 | 6.43 | 6.97 | 0.00 | 6.97 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.0 | 0.0 | 0. | 0.00 |
| 522 | 0.300 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 6.96 | 0.00 | 6.96 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 26.2 | 0.0 | 0. | 0.00 |
| 523 | 0.200 | 32.30 | 0.0 | 0.0 | 0.0 | 6.42 | 6.95 | 0.00 | 6.95 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 25.5 | 0.0 | 0. | 0.00 |
| 524 | 0.100 | 32.30 | 0.0 | 0.0 | 0.0 | 6.41 | 6.94 | 0.00 | 6.94 | 0.00 | 2.60 | 0.14 | 0.00 | 2.74 | 0.00 | 24.8 | 0.0 | 0. | 0.00 |
| 525 | 0.000 | 32.30 | 0.0 | 0.0 | 0.0 | 6.39 | 6.98 | 0.00 | 6.98 | 0.00 | 2.59 | 0.14 | 0.00 | 2.73 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Bayou Chene

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT * | BOD#2 DECAY * | ABOD#2 SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORG-N SETT 1/da | ORG-N DECAY * | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 34.900 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 34.800 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.91 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 34.700 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 34.600 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 5.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 34.500 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 34.400 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 34.300 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 34.200 | 7.38 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 34.100 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.12 | 5.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.03 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 34.000 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 33.900 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 33.800 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 33.700 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 33.600 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 33.500 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 33.400 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 5.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 33.300 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 33.200 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.19 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 33.100 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.21 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 33.000 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 32.900 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 5.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 32.800 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 32.700 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 32.600 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 32.500 | 7.35 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 32.400 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.22 | 5.22 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 32.300 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 32.200 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 32.100 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 32.000 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 31.900 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 5.25 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 31.800 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 31.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 31.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 31.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 31.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 31.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 31.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 31.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 31.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 30.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 30.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 30.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 30.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 30.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 30.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 30.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 30.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 30.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 30.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 29.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 29.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 29.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 29.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 29.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 29.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 29.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 29.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 29.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 29.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 28.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 28.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 28.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 28.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 28.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 28.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 28.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 28.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 28.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 28.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 27.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 27.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 27.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 27.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 27.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 27.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 27.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 27.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 27.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 27.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 26.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 26.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 26.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 26.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 26.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 26.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 26.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 26.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 26.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 26.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 25.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 25.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 25.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 25.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 25.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 25.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 25.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 25.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 25.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 25.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 24.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 24.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 24.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 24.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 24.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 24.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 24.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 24.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 24.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 24.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 23.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 23.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 23.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 23.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 23.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 23.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 23.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 23.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 23.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 23.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 22.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 22.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 22.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 22.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 22.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 22.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 128 | 22.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 22.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 22.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 22.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 21.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 21.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 21.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 21.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 21.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 21.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 21.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 21.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 21.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 21.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 20.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 20.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 20.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 20.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 20.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 20.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 20.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 20.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 20.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 20.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 19.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 19.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 19.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 19.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 19.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 19.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 19.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 19.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 19.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 19.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 18.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 18.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 18.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 18.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 18.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 18.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 18.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 18.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 18.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 18.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 17.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 17.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 17.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 17.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 17.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 17.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | 17.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 17.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 17.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 17.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 16.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 16.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 16.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 16.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 16.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 16.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 16.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 16.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 16.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 16.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 15.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 15.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 15.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 15.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 15.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 15.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 15.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 15.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 15.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 15.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 14.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 14.800 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 14.700 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 14.600 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 14.500 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 14.400 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 14.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 14.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 14.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 14.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 13.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 13.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 13.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 13.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 13.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 13.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 13.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 13.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 13.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 13.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 12.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 12.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 12.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 12.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 12.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 12.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 228 | 12.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 12.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 12.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 12.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 11.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 11.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 11.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 11.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 11.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 11.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 11.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 11.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 11.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 11.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 10.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 10.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 10.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 10.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 10.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 10.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 10.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 10.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 10.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 10.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 9.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 9.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 9.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 9.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 9.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 9.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 9.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 9.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 9.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 9.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 8.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 8.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 8.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 8.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 8.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 8.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 8.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 8.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 8.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 8.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 7.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 7.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 278 | 7.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 7.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 7.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 7.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 6.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 6.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 6.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 6.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 6.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 5.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 5.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 5.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 5.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 5.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 5.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 4.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 4.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 4.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 4.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 4.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 4.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 3.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 3.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 3.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 3.300 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 3.200 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 3.100 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 3.000 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 2.900 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 2.800 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 2.700 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 2.600 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 2.500 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 2.400 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 328 | 2.300 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 2.200 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 2.100 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 2.000 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 1.900 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 1.800 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 1.700 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 1.600 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 1.500 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 1.400 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 1.300 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 1.200 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 1.100 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 1.000 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 0.900 | 7.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 0.800 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 0.700 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 0.600 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 0.500 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 0.400 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 0.300 | 7.27 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 0.200 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 0.100 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 0.000 | 7.28 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Station 935

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#1 DECAY | BOD#1 SETT | BOD#2 DECAY | ABOD#2 SOD | FULL SOD | CORR DECAY | ORG-N SETT | ORG-N DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 346 | 17.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 17.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 17.700 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 17.600 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 2.87 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 17.500 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 2.87 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 17.400 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 17.300 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 17.200 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 17.100 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 17.000 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 16.900 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 16.800 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 16.700 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 16.600 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 2.83 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 16.500 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 2.83 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 16.400 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 16.300 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 16.200 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 16.100 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 16.000 | 7.42 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 15.900 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 2.80 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 367 | 15.800 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 2.80 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 15.700 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 15.600 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 15.500 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 15.400 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 15.300 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 15.200 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 15.100 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 15.000 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 14.900 | 7.43 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 14.800 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 14.700 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 14.600 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 14.500 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 14.400 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 14.300 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 14.200 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 14.100 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 14.000 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 13.900 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 13.800 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 13.700 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 13.600 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 13.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 13.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 13.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 13.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 13.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 13.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 12.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 12.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 12.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 12.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 12.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 12.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 12.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 12.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 12.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 12.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 11.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 11.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 11.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 11.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 11.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 11.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 11.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 11.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 11.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 11.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 10.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 417 | 10.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 10.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 10.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 10.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 10.400 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 10.300 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 10.200 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 10.100 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 10.000 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 9.900 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 9.800 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 9.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 9.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 9.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 9.400 | 7.37 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 9.300 | 7.37 | 0.76 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 9.200 | 7.36 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 9.100 | 7.35 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 9.000 | 7.34 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 8.900 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 8.800 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 8.700 | 7.32 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 8.600 | 7.31 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 8.500 | 7.30 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 8.400 | 7.29 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 8.300 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 8.200 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 8.100 | 7.27 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 8.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 7.900 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 7.800 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 7.700 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 7.600 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 7.500 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 7.400 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 7.300 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 7.200 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 7.100 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 7.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 6.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 6.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 6.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 6.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 6.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 6.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 6.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 6.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 6.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 6.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 5.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 467 | 5.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 5.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 5.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 5.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 5.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 5.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 5.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 5.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 5.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 4.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 4.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 4.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 4.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 4.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 4.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 4.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 4.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 4.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 4.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 3.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 3.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 3.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 3.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 3.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 3.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 3.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 3.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 3.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 3.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 2.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 2.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 2.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 2.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 2.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 2.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 2.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 2.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 2.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 2.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 1.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 1.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 1.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 1.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 1.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 1.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 1.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 1.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 1.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 1.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 0.900 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 517 | 0.800 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 0.700 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 0.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 0.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 0.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 0.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 0.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 0.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 0.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Bayou Chene

HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW | ADVCTV VELO | DEPTH | WIDTH | VOLUME | SURFACE AREA | X-SECT AREA | TIDAL PRISM | TIDAL VELO | DISPRSN | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s |
| 1 | 35.10 | 35.00 | 17.3806 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 2 | 35.00 | 34.90 | 17.3745 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 3 | 34.90 | 34.80 | 17.3685 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 4 | 34.80 | 34.70 | 17.3624 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 5 | 34.70 | 34.60 | 17.3563 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 6 | 34.60 | 34.50 | 17.3503 | 0.129 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.129 |
| 7 | 34.50 | 34.40 | 17.3442 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 8 | 34.40 | 34.30 | 17.3382 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 9 | 34.30 | 34.20 | 17.3321 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 10 | 34.20 | 34.10 | 17.3260 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 11 | 34.10 | 34.00 | 17.3200 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 12 | 34.00 | 33.90 | 17.3139 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 13 | 33.90 | 33.80 | 17.3079 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 14 | 33.80 | 33.70 | 17.3018 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 15 | 33.70 | 33.60 | 17.2957 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 16 | 33.60 | 33.50 | 17.2897 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 17 | 33.50 | 33.40 | 17.2836 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 18 | 33.40 | 33.30 | 17.2776 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 19 | 33.30 | 33.20 | 17.2715 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 20 | 33.20 | 33.10 | 17.2654 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 21 | 33.10 | 33.00 | 17.2594 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 22 | 33.00 | 32.90 | 17.2533 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 23 | 32.90 | 32.80 | 17.2473 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 24 | 32.80 | 32.70 | 17.2412 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 25 | 32.70 | 32.60 | 17.2351 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 26 | 32.60 | 32.50 | 17.2291 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 27 | 32.50 | 32.40 | 17.2230 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 28 | 32.40 | 32.30 | 17.2170 | 0.128 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.128 |
| 29 | 32.30 | 32.20 | 17.2109 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 30 | 32.20 | 32.10 | 17.2049 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 31 | 32.10 | 32.00 | 17.1988 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 32 | 32.00 | 31.90 | 17.1927 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 33 | 31.90 | 31.80 | 17.1867 | 0.127 | 1.00 | 135.0 | 13500. | 13500.0 | 135.0 | 0. | 0.000 | 0.600 | 0.127 |
| 34 | 31.80 | 31.70 | 17.1851 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 35 | 31.70 | 31.60 | 17.1835 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 36 | 31.60 | 31.50 | 17.1819 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 31.50 | 31.40 | 17.1804 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 38 | 31.40 | 31.30 | 17.1788 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 39 | 31.30 | 31.20 | 17.1772 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 40 | 31.20 | 31.10 | 17.1756 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 41 | 31.10 | 31.00 | 17.1741 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 42 | 31.00 | 30.90 | 17.1725 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 43 | 30.90 | 30.80 | 17.1709 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 44 | 30.80 | 30.70 | 17.1693 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 45 | 30.70 | 30.60 | 17.1678 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 46 | 30.60 | 30.50 | 17.1662 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 47 | 30.50 | 30.40 | 17.1646 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 48 | 30.40 | 30.30 | 17.1630 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 49 | 30.30 | 30.20 | 17.1615 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 50 | 30.20 | 30.10 | 17.1599 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 51 | 30.10 | 30.00 | 17.1583 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 52 | 30.00 | 29.90 | 17.1567 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 53 | 29.90 | 29.80 | 17.1552 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 54 | 29.80 | 29.70 | 17.1536 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 55 | 29.70 | 29.60 | 17.1520 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 56 | 29.60 | 29.50 | 17.1504 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 57 | 29.50 | 29.40 | 17.1489 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 58 | 29.40 | 29.30 | 17.1473 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 59 | 29.30 | 29.20 | 17.1457 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 60 | 29.20 | 29.10 | 17.1441 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 61 | 29.10 | 29.00 | 17.1426 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 62 | 29.00 | 28.90 | 17.1410 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 63 | 28.90 | 28.80 | 17.1394 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 64 | 28.80 | 28.70 | 17.1378 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 65 | 28.70 | 28.60 | 17.1363 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 66 | 28.60 | 28.50 | 17.1347 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 67 | 28.50 | 28.40 | 17.1331 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 68 | 28.40 | 28.30 | 17.1315 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 69 | 28.30 | 28.20 | 17.1300 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 70 | 28.20 | 28.10 | 17.1284 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 71 | 28.10 | 28.00 | 17.1268 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 72 | 28.00 | 27.90 | 17.1252 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 73 | 27.90 | 27.80 | 17.1237 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 74 | 27.80 | 27.70 | 17.1221 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 75 | 27.70 | 27.60 | 17.1205 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 76 | 27.60 | 27.50 | 17.1189 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 77 | 27.50 | 27.40 | 17.1174 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 78 | 27.40 | 27.30 | 17.1158 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 79 | 27.30 | 27.20 | 17.1142 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 80 | 27.20 | 27.10 | 17.1126 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 81 | 27.10 | 27.00 | 17.1110 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 82 | 27.00 | 26.90 | 17.1095 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 83 | 26.90 | 26.80 | 17.1079 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 84 | 26.80 | 26.70 | 17.1063 | 0.156 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.156 |
| 85 | 26.70 | 26.60 | 17.1047 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 86 | 26.60 | 26.50 | 17.1032 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 26.50 | 26.40 | 17.1016 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 88 | 26.40 | 26.30 | 17.1000 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 89 | 26.30 | 26.20 | 17.0984 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 90 | 26.20 | 26.10 | 17.0969 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 91 | 26.10 | 26.00 | 17.0953 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 92 | 26.00 | 25.90 | 17.0937 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 93 | 25.90 | 25.80 | 17.0921 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 94 | 25.80 | 25.70 | 17.0906 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 95 | 25.70 | 25.60 | 17.0890 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 96 | 25.60 | 25.50 | 17.0874 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 97 | 25.50 | 25.40 | 17.0858 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 98 | 25.40 | 25.30 | 17.0843 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 99 | 25.30 | 25.20 | 17.0827 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 100 | 25.20 | 25.10 | 17.0811 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 101 | 25.10 | 25.00 | 17.0795 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 102 | 25.00 | 24.90 | 17.0780 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 103 | 24.90 | 24.80 | 17.0764 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 104 | 24.80 | 24.70 | 17.0748 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 105 | 24.70 | 24.60 | 17.0732 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 106 | 24.60 | 24.50 | 17.0717 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 107 | 24.50 | 24.40 | 17.0701 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 108 | 24.40 | 24.30 | 17.0685 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 109 | 24.30 | 24.20 | 17.0669 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 110 | 24.20 | 24.10 | 17.0654 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 111 | 24.10 | 24.00 | 17.0638 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 112 | 24.00 | 23.90 | 17.0622 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 113 | 23.90 | 23.80 | 17.0606 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 114 | 23.80 | 23.70 | 17.0591 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 115 | 23.70 | 23.60 | 17.0575 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 116 | 23.60 | 23.50 | 17.0559 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 117 | 23.50 | 23.40 | 17.0543 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 118 | 23.40 | 23.30 | 17.0528 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 119 | 23.30 | 23.20 | 17.0512 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 120 | 23.20 | 23.10 | 17.0496 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 121 | 23.10 | 23.00 | 17.0480 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 122 | 23.00 | 22.90 | 17.0465 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 123 | 22.90 | 22.80 | 17.0449 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 124 | 22.80 | 22.70 | 17.0433 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 125 | 22.70 | 22.60 | 17.0417 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 126 | 22.60 | 22.50 | 17.0402 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 127 | 22.50 | 22.40 | 17.0386 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 128 | 22.40 | 22.30 | 17.0370 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 129 | 22.30 | 22.20 | 17.0354 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 130 | 22.20 | 22.10 | 17.0339 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 131 | 22.10 | 22.00 | 17.0323 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 132 | 22.00 | 21.90 | 17.0307 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 133 | 21.90 | 21.80 | 17.0291 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 134 | 21.80 | 21.70 | 17.0275 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 135 | 21.70 | 21.60 | 17.0260 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 136 | 21.60 | 21.50 | 17.0244 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 137 | 21.50 | 21.40 | 17.0228 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 138 | 21.40 | 21.30 | 17.0212 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 139 | 21.30 | 21.20 | 17.0197 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 140 | 21.20 | 21.10 | 17.0181 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 141 | 21.10 | 21.00 | 17.0165 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 142 | 21.00 | 20.90 | 17.0149 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 143 | 20.90 | 20.80 | 17.0134 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 144 | 20.80 | 20.70 | 17.0118 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 145 | 20.70 | 20.60 | 17.0102 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 146 | 20.60 | 20.50 | 17.0086 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 147 | 20.50 | 20.40 | 17.0071 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 148 | 20.40 | 20.30 | 17.0055 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 149 | 20.30 | 20.20 | 17.0039 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 150 | 20.20 | 20.10 | 17.0023 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 151 | 20.10 | 20.00 | 17.0008 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 152 | 20.00 | 19.90 | 16.9992 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 153 | 19.90 | 19.80 | 16.9976 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 154 | 19.80 | 19.70 | 16.9960 | 0.155 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.155 |
| 155 | 19.70 | 19.60 | 16.9945 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 156 | 19.60 | 19.50 | 16.9929 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 157 | 19.50 | 19.40 | 16.9913 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 158 | 19.40 | 19.30 | 16.9897 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 159 | 19.30 | 19.20 | 16.9882 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 160 | 19.20 | 19.10 | 16.9866 | 0.154 | 1.00 | 110.0 | 11000. | 11000.0 | 110.0 | 0. | 0.000 | 0.500 | 0.154 |
| 161 | 19.10 | 19.00 | 13.2259 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 162 | 19.00 | 18.90 | 13.2221 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 163 | 18.90 | 18.80 | 13.2182 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 164 | 18.80 | 18.70 | 13.2144 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 165 | 18.70 | 18.60 | 13.2106 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 166 | 18.60 | 18.50 | 13.2067 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 167 | 18.50 | 18.40 | 13.2029 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 168 | 18.40 | 18.30 | 13.1990 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 169 | 18.30 | 18.20 | 13.1952 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 170 | 18.20 | 18.10 | 13.1913 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 171 | 18.10 | 18.00 | 13.1875 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 172 | 18.00 | 17.90 | 13.1836 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 173 | 17.90 | 17.80 | 13.1798 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 174 | 17.80 | 17.70 | 13.1759 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 175 | 17.70 | 17.60 | 13.1721 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 176 | 17.60 | 17.50 | 13.1682 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 177 | 17.50 | 17.40 | 13.1644 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 178 | 17.40 | 17.30 | 13.1606 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 179 | 17.30 | 17.20 | 13.1567 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 180 | 17.20 | 17.10 | 13.1529 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 181 | 17.10 | 17.00 | 13.1490 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 182 | 17.00 | 16.90 | 13.1452 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 183 | 16.90 | 16.80 | 13.1413 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 184 | 16.80 | 16.70 | 13.1375 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 185 | 16.70 | 16.60 | 13.1336 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |
| 186 | 16.60 | 16.50 | 13.1298 | 0.083 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.083 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 187 | 16.50 | 16.40 | 13.1259 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 188 | 16.40 | 16.30 | 13.1221 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 189 | 16.30 | 16.20 | 13.1182 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 190 | 16.20 | 16.10 | 13.1144 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 191 | 16.10 | 16.00 | 13.1106 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 192 | 16.00 | 15.90 | 13.1067 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 193 | 15.90 | 15.80 | 13.1029 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 194 | 15.80 | 15.70 | 13.0990 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 195 | 15.70 | 15.60 | 13.0952 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 196 | 15.60 | 15.50 | 13.0913 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 197 | 15.50 | 15.40 | 13.0875 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 198 | 15.40 | 15.30 | 13.0836 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 199 | 15.30 | 15.20 | 13.0798 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 200 | 15.20 | 15.10 | 13.0759 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 201 | 15.10 | 15.00 | 13.0721 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 202 | 15.00 | 14.90 | 13.0682 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 203 | 14.90 | 14.80 | 13.0644 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 204 | 14.80 | 14.70 | 13.0606 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 205 | 14.70 | 14.60 | 13.0567 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 206 | 14.60 | 14.50 | 13.0529 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 207 | 14.50 | 14.40 | 13.0490 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 208 | 14.40 | 14.30 | 13.0452 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 209 | 14.30 | 14.20 | 13.0413 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 210 | 14.20 | 14.10 | 13.0375 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 211 | 14.10 | 14.00 | 13.0336 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 212 | 14.00 | 13.90 | 13.0298 | 0.082 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.400 | 0.082 |
| 213 | 13.90 | 13.80 | 14.7238 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 214 | 13.80 | 13.70 | 14.7188 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 215 | 13.70 | 13.60 | 14.7138 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 216 | 13.60 | 13.50 | 14.7088 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 217 | 13.50 | 13.40 | 14.7038 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 218 | 13.40 | 13.30 | 14.6988 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 219 | 13.30 | 13.20 | 14.6938 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 220 | 13.20 | 13.10 | 14.6888 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 221 | 13.10 | 13.00 | 14.6838 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 222 | 13.00 | 12.90 | 14.6788 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 223 | 12.90 | 12.80 | 14.6738 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 224 | 12.80 | 12.70 | 14.6688 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 225 | 12.70 | 12.60 | 14.6638 | 0.054 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.054 |
| 226 | 12.60 | 12.50 | 14.6588 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 227 | 12.50 | 12.40 | 14.6538 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 228 | 12.40 | 12.30 | 14.6488 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 229 | 12.30 | 12.20 | 14.6438 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 230 | 12.20 | 12.10 | 14.6388 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 231 | 12.10 | 12.00 | 14.6338 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 232 | 12.00 | 11.90 | 14.6288 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 233 | 11.90 | 11.80 | 14.6238 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 234 | 11.80 | 11.70 | 14.6188 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 235 | 11.70 | 11.60 | 14.6138 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 236 | 11.60 | 11.50 | 14.6088 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 237 | 11.50 | 11.40 | 14.6038 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 238 | 11.40 | 11.30 | 14.5988 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 239 | 11.30 | 11.20 | 14.5938 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 240 | 11.20 | 11.10 | 14.5888 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 241 | 11.10 | 11.00 | 14.5838 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 242 | 11.00 | 10.90 | 14.5788 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 243 | 10.90 | 10.80 | 14.5738 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 244 | 10.80 | 10.70 | 14.5688 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 245 | 10.70 | 10.60 | 14.5638 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 246 | 10.60 | 10.50 | 14.5588 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 247 | 10.50 | 10.40 | 14.5538 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 248 | 10.40 | 10.30 | 14.5488 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 249 | 10.30 | 10.20 | 14.5438 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 250 | 10.20 | 10.10 | 14.5388 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 251 | 10.10 | 10.00 | 14.5338 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 252 | 10.00 | 9.90 | 14.5288 | 0.053 | 1.77 | 155.0 | 27404. | 15500.0 | 274.0 | 0. | 0.000 | 0.300 | 0.053 |
| 253 | 9.90 | 9.80 | 5.3141 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 254 | 9.80 | 9.70 | 5.3110 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 255 | 9.70 | 9.60 | 5.3078 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 256 | 9.60 | 9.50 | 5.3046 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 257 | 9.50 | 9.40 | 5.3014 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 258 | 9.40 | 9.30 | 5.2983 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 259 | 9.30 | 9.20 | 5.2951 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 260 | 9.20 | 9.10 | 5.2919 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 261 | 9.10 | 9.00 | 5.2887 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 262 | 9.00 | 8.90 | 5.2856 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 263 | 8.90 | 8.80 | 5.2824 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 264 | 8.80 | 8.70 | 5.2792 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 265 | 8.70 | 8.60 | 5.2760 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 266 | 8.60 | 8.50 | 5.2729 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 267 | 8.50 | 8.40 | 5.2697 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 268 | 8.40 | 8.30 | 5.2665 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 269 | 8.30 | 8.20 | 5.2633 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 270 | 8.20 | 8.10 | 5.2602 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 271 | 8.10 | 8.00 | 5.2570 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 272 | 8.00 | 7.90 | 5.2538 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 273 | 7.90 | 7.80 | 5.2506 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 274 | 7.80 | 7.70 | 5.2475 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 275 | 7.70 | 7.60 | 5.2443 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 276 | 7.60 | 7.50 | 5.2411 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 277 | 7.50 | 7.40 | 5.2379 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 278 | 7.40 | 7.30 | 5.2348 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 279 | 7.30 | 7.20 | 5.2316 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 280 | 7.20 | 7.10 | 5.2284 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 281 | 7.10 | 7.00 | 5.2252 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 282 | 7.00 | 6.90 | 5.2221 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 283 | 6.90 | 6.80 | 5.2189 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 284 | 6.80 | 6.70 | 5.2157 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 285 | 6.70 | 6.60 | 5.2125 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 286 | 6.60 | 6.50 | 5.2094 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 287 | 6.50 | 6.40 | 5.2062 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 288 | 6.40 | 6.30 | 5.2030 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 289 | 6.30 | 6.20 | 5.1998 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 290 | 6.20 | 6.10 | 5.1967 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 291 | 6.10 | 6.00 | 5.1935 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 292 | 6.00 | 5.90 | 5.1903 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 293 | 5.90 | 5.80 | 5.1871 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 294 | 5.80 | 5.70 | 5.1840 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 295 | 5.70 | 5.60 | 5.1808 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 296 | 5.60 | 5.50 | 5.1776 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 297 | 5.50 | 5.40 | 5.1744 | 0.033 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.033 |
| 298 | 5.40 | 5.30 | 5.1713 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 299 | 5.30 | 5.20 | 5.1681 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 300 | 5.20 | 5.10 | 5.1649 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 301 | 5.10 | 5.00 | 5.1617 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 302 | 5.00 | 4.90 | 5.1586 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 303 | 4.90 | 4.80 | 5.1554 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 304 | 4.80 | 4.70 | 5.1522 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 305 | 4.70 | 4.60 | 5.1490 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 306 | 4.60 | 4.50 | 5.1459 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 307 | 4.50 | 4.40 | 5.1427 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 308 | 4.40 | 4.30 | 5.1395 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 309 | 4.30 | 4.20 | 5.1363 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 310 | 4.20 | 4.10 | 5.1332 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 311 | 4.10 | 4.00 | 5.1300 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 312 | 4.00 | 3.90 | 5.1268 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 313 | 3.90 | 3.80 | 5.1236 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 314 | 3.80 | 3.70 | 5.1205 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 315 | 3.70 | 3.60 | 5.1173 | 0.032 | 1.77 | 90.0 | 15912. | 9000.0 | 159.1 | 0. | 0.000 | 0.300 | 0.032 |
| 316 | 3.60 | 3.50 | 5.1106 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 317 | 3.50 | 3.40 | 5.1040 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 318 | 3.40 | 3.30 | 5.0973 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 319 | 3.30 | 3.20 | 5.0906 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 320 | 3.20 | 3.10 | 5.0840 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 321 | 3.10 | 3.00 | 5.0773 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 322 | 3.00 | 2.90 | 5.0706 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 323 | 2.90 | 2.80 | 5.0640 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 324 | 2.80 | 2.70 | 5.0573 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 325 | 2.70 | 2.60 | 5.0506 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 326 | 2.60 | 2.50 | 5.0440 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 327 | 2.50 | 2.40 | 5.0373 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 328 | 2.40 | 2.30 | 5.0306 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 329 | 2.30 | 2.20 | 5.0240 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 330 | 2.20 | 2.10 | 5.0173 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 331 | 2.10 | 2.00 | 5.0106 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 332 | 2.00 | 1.90 | 5.0040 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 333 | 1.90 | 1.80 | 4.9973 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 334 | 1.80 | 1.70 | 4.9906 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 335 | 1.70 | 1.60 | 4.9840 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 336 | 1.60 | 1.50 | 4.9773 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 337 | 1.50 | 1.40 | 4.9706 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 338 | 1.40 | 1.30 | 4.9640 | 0.026 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.026 |
| 339 | 1.30 | 1.20 | 4.9573 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 340 | 1.20 | 1.10 | 4.9506 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 341 | 1.10 | 1.00 | 4.9440 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 342 | 1.00 | 0.90 | 4.9373 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 343 | 0.90 | 0.80 | 4.9306 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 344 | 0.80 | 0.70 | 4.9240 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 345 | 0.70 | 0.60 | 4.9173 | 0.025 | 1.77 | 110.0 | 19448. | 11000.0 | 194.5 | 0. | 0.000 | 0.400 | 0.025 |
| 526 | 0.60 | 0.50 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 527 | 0.50 | 0.40 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 528 | 0.40 | 0.30 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 529 | 0.30 | 0.20 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 530 | 0.20 | 0.10 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |
| 531 | 0.10 | 0.00 | 10.2738 | 0.083 | 1.40 | 88.0 | 12338. | 8800.0 | 123.4 | 0. | 0.000 | 0.500 | 0.083 |

SPECIAL REPORT: Station 935

HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW | VELO | ADVCTV | DEPTH | WIDTH | VOLUME | AREA | SURFACE AREA | PRISM | X-SECT VELO | TIDAL VELO | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s | | | |
| 346 | 18.00 | 17.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 347 | 17.90 | 17.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 348 | 17.80 | 17.70 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 349 | 17.70 | 17.60 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 350 | 17.60 | 17.50 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 351 | 17.50 | 17.40 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 352 | 17.40 | 17.30 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 353 | 17.30 | 17.20 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 354 | 17.20 | 17.10 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 355 | 17.10 | 17.00 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 356 | 17.00 | 16.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 357 | 16.90 | 16.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 358 | 16.80 | 16.70 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 359 | 16.70 | 16.60 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 360 | 16.60 | 16.50 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 361 | 16.50 | 16.40 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 362 | 16.40 | 16.30 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 363 | 16.30 | 16.20 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 364 | 16.20 | 16.10 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 365 | 16.10 | 16.00 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 366 | 16.00 | 15.90 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 367 | 15.90 | 15.80 | 0.0378 | 0.001 | 1.77 | 35.0 | 6188. | 3500.0 | 61.9 | 0. | 0.000 | 0.000 | 0.001 | | | |
| 368 | 15.80 | 15.70 | 0.2086 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 369 | 15.70 | 15.60 | 0.3794 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 370 | 15.60 | 15.50 | 0.5503 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 371 | 15.50 | 15.40 | 0.7211 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 372 | 15.40 | 15.30 | 0.8920 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 373 | 15.30 | 15.20 | 1.0628 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 374 | 15.20 | 15.10 | 1.2337 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |
| 375 | 15.10 | 15.00 | 1.4045 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 376 | 15.00 | 14.90 | 1.5754 | 0.000 | 1.77 | 2131.0 | 376761. | 213100.0 | 3767.6 | 0. | 0.000 | 0.000 | 0.000 |
| 377 | 14.90 | 14.80 | 1.7283 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 378 | 14.80 | 14.70 | 1.8812 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 379 | 14.70 | 14.60 | 2.0341 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 380 | 14.60 | 14.50 | 2.1870 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 381 | 14.50 | 14.40 | 2.3399 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 382 | 14.40 | 14.30 | 2.4928 | 0.001 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.001 |
| 383 | 14.30 | 14.20 | 2.6457 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 384 | 14.20 | 14.10 | 2.7986 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 385 | 14.10 | 14.00 | 2.9515 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 386 | 14.00 | 13.90 | 3.1044 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 387 | 13.90 | 13.80 | 3.2573 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 388 | 13.80 | 13.70 | 3.4103 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 389 | 13.70 | 13.60 | 3.5632 | 0.002 | 1.77 | 983.0 | 173794. | 98300.0 | 1737.9 | 0. | 0.000 | 0.000 | 0.002 |
| 390 | 13.60 | 13.50 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 391 | 13.50 | 13.40 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 392 | 13.40 | 13.30 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 393 | 13.30 | 13.20 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 394 | 13.20 | 13.10 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 395 | 13.10 | 13.00 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 396 | 13.00 | 12.90 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 397 | 12.90 | 12.80 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 398 | 12.80 | 12.70 | 3.5632 | 0.014 | 1.77 | 148.0 | 26166. | 14800.0 | 261.7 | 0. | 0.000 | 0.000 | 0.014 |
| 399 | 12.70 | 12.60 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 400 | 12.60 | 12.50 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 401 | 12.50 | 12.40 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 402 | 12.40 | 12.30 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 403 | 12.30 | 12.20 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 404 | 12.20 | 12.10 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 405 | 12.10 | 12.00 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 406 | 12.00 | 11.90 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 407 | 11.90 | 11.80 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 408 | 11.80 | 11.70 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 409 | 11.70 | 11.60 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 410 | 11.60 | 11.50 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 411 | 11.50 | 11.40 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 412 | 11.40 | 11.30 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 413 | 11.30 | 11.20 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 414 | 11.20 | 11.10 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 415 | 11.10 | 11.00 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 416 | 11.00 | 10.90 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 417 | 10.90 | 10.80 | 3.5632 | 0.033 | 1.77 | 61.0 | 10785. | 6100.0 | 107.8 | 0. | 0.000 | 0.300 | 0.033 |
| 418 | 10.80 | 10.70 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 419 | 10.70 | 10.60 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 420 | 10.60 | 10.50 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 421 | 10.50 | 10.40 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 422 | 10.40 | 10.30 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 423 | 10.30 | 10.20 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 424 | 10.20 | 10.10 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 425 | 10.10 | 10.00 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 426 | 10.00 | 9.90 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 427 | 9.90 | 9.80 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 428 | 9.80 | 9.70 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 429 | 9.70 | 9.60 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 430 | 9.60 | 9.50 | 3.5632 | 0.035 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.200 | 0.035 |
| 431 | 9.50 | 9.40 | 6.8479 | 0.068 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.100 | 0.068 |
| 432 | 9.40 | 9.30 | 6.8479 | 0.068 | 1.40 | 72.0 | 10094. | 7200.0 | 100.9 | 0. | 0.000 | 0.100 | 0.068 |
| 433 | 9.30 | 9.20 | 5.1038 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 434 | 9.20 | 9.10 | 5.1059 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 435 | 9.10 | 9.00 | 5.1080 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 436 | 9.00 | 8.90 | 5.1101 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 437 | 8.90 | 8.80 | 5.1123 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 438 | 8.80 | 8.70 | 5.1144 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 439 | 8.70 | 8.60 | 5.1165 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 440 | 8.60 | 8.50 | 5.1186 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 441 | 8.50 | 8.40 | 5.1208 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 442 | 8.40 | 8.30 | 5.1229 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 443 | 8.30 | 8.20 | 5.1250 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 444 | 8.20 | 8.10 | 5.1271 | 0.052 | 1.40 | 70.0 | 9814. | 7000.0 | 98.1 | 0. | 0.000 | 0.100 | 0.052 |
| 445 | 8.10 | 8.00 | 5.1299 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 446 | 8.00 | 7.90 | 5.1327 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 447 | 7.90 | 7.80 | 5.1355 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 448 | 7.80 | 7.70 | 5.1383 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 449 | 7.70 | 7.60 | 5.1411 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 450 | 7.60 | 7.50 | 5.1439 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 451 | 7.50 | 7.40 | 5.1467 | 0.056 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.056 |
| 452 | 7.40 | 7.30 | 5.1495 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 453 | 7.30 | 7.20 | 5.1523 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 454 | 7.20 | 7.10 | 5.1551 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 455 | 7.10 | 7.00 | 5.1579 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 456 | 7.00 | 6.90 | 5.1606 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 457 | 6.90 | 6.80 | 5.1634 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 458 | 6.80 | 6.70 | 5.1662 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 459 | 6.70 | 6.60 | 5.1690 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 460 | 6.60 | 6.50 | 5.1718 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 461 | 6.50 | 6.40 | 5.1746 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 462 | 6.40 | 6.30 | 5.1774 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 463 | 6.30 | 6.20 | 5.1802 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 464 | 6.20 | 6.10 | 5.1830 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 465 | 6.10 | 6.00 | 5.1858 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 466 | 6.00 | 5.90 | 5.1886 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 467 | 5.90 | 5.80 | 5.1914 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 468 | 5.80 | 5.70 | 5.1942 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 469 | 5.70 | 5.60 | 5.1970 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 470 | 5.60 | 5.50 | 5.1998 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 471 | 5.50 | 5.40 | 5.2025 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 472 | 5.40 | 5.30 | 5.2053 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 473 | 5.30 | 5.20 | 5.2081 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 474 | 5.20 | 5.10 | 5.2109 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 475 | 5.10 | 5.00 | 5.2137 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 476 | 5.00 | 4.90 | 5.2165 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 477 | 4.90 | 4.80 | 5.2193 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 478 | 4.80 | 4.70 | 5.2221 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 479 | 4.70 | 4.60 | 5.2249 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 480 | 4.60 | 4.50 | 5.2277 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 481 | 4.50 | 4.40 | 5.2305 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 482 | 4.40 | 4.30 | 5.2333 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 483 | 4.30 | 4.20 | 5.2361 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 484 | 4.20 | 4.10 | 5.2389 | 0.057 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.057 |
| 485 | 4.10 | 4.00 | 5.2417 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 486 | 4.00 | 3.90 | 5.2444 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 487 | 3.90 | 3.80 | 5.2472 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 488 | 3.80 | 3.70 | 5.2500 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 489 | 3.70 | 3.60 | 5.2528 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 490 | 3.60 | 3.50 | 5.2556 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 491 | 3.50 | 3.40 | 5.2584 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 492 | 3.40 | 3.30 | 5.2612 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 493 | 3.30 | 3.20 | 5.2640 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 494 | 3.20 | 3.10 | 5.2668 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 495 | 3.10 | 3.00 | 5.2696 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 496 | 3.00 | 2.90 | 5.2724 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 497 | 2.90 | 2.80 | 5.2752 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 498 | 2.80 | 2.70 | 5.2780 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 499 | 2.70 | 2.60 | 5.2808 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 500 | 2.60 | 2.50 | 5.2836 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 501 | 2.50 | 2.40 | 5.2863 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 502 | 2.40 | 2.30 | 5.2891 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 503 | 2.30 | 2.20 | 5.2919 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 504 | 2.20 | 2.10 | 5.2947 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 505 | 2.10 | 2.00 | 5.2975 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 506 | 2.00 | 1.90 | 5.3003 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 507 | 1.90 | 1.80 | 5.3031 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 508 | 1.80 | 1.70 | 5.3059 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 509 | 1.70 | 1.60 | 5.3087 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 510 | 1.60 | 1.50 | 5.3115 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 511 | 1.50 | 1.40 | 5.3143 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 512 | 1.40 | 1.30 | 5.3171 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 513 | 1.30 | 1.20 | 5.3199 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 514 | 1.20 | 1.10 | 5.3227 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 515 | 1.10 | 1.00 | 5.3255 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 516 | 1.00 | 0.90 | 5.3282 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 517 | 0.90 | 0.80 | 5.3310 | 0.058 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.058 |
| 518 | 0.80 | 0.70 | 5.3342 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 519 | 0.70 | 0.60 | 5.3374 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 520 | 0.60 | 0.50 | 5.3406 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 521 | 0.50 | 0.40 | 5.3438 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 522 | 0.40 | 0.30 | 5.3470 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 523 | 0.30 | 0.20 | 5.3502 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 524 | 0.20 | 0.10 | 5.3534 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |
| 525 | 0.10 | 0.00 | 5.3565 | 0.059 | 1.40 | 65.0 | 9113. | 6500.0 | 91.1 | 0. | 0.000 | 0.100 | 0.059 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 1 Bayou Chene to Blackbird Bayou TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 17.38664 | 30.00 | 0.00 | 0.00 | 0.00 | 6.20 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 0.00 | 70.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01515 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 50.00 | 0.00 | | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| EACH | INCR | -0.02121 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.10 | 35.00 | 17.38058 | 0.0 | 0.12875 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 2 | 35.00 | 34.90 | 17.37452 | 0.0 | 0.12870 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 3 | 34.90 | 34.80 | 17.36846 | 0.0 | 0.12866 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 4 | 34.80 | 34.70 | 17.36240 | 0.0 | 0.12861 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 5 | 34.70 | 34.60 | 17.35634 | 0.0 | 0.12857 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 6 | 34.60 | 34.50 | 17.35028 | 0.0 | 0.12852 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.129 |
| 7 | 34.50 | 34.40 | 17.34422 | 0.0 | 0.12848 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 8 | 34.40 | 34.30 | 17.33816 | 0.0 | 0.12843 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 9 | 34.30 | 34.20 | 17.33210 | 0.0 | 0.12839 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 10 | 34.20 | 34.10 | 17.32604 | 0.0 | 0.12834 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 11 | 34.10 | 34.00 | 17.31998 | 0.0 | 0.12830 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 12 | 34.00 | 33.90 | 17.31392 | 0.0 | 0.12825 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 13 | 33.90 | 33.80 | 17.30787 | 0.0 | 0.12821 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 14 | 33.80 | 33.70 | 17.30181 | 0.0 | 0.12816 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 15 | 33.70 | 33.60 | 17.29575 | 0.0 | 0.12812 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 16 | 33.60 | 33.50 | 17.28969 | 0.0 | 0.12807 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 17 | 33.50 | 33.40 | 17.28363 | 0.0 | 0.12803 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 18 | 33.40 | 33.30 | 17.27757 | 0.0 | 0.12798 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 19 | 33.30 | 33.20 | 17.27151 | 0.0 | 0.12794 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 20 | 33.20 | 33.10 | 17.26545 | 0.0 | 0.12789 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 21 | 33.10 | 33.00 | 17.25939 | 0.0 | 0.12785 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 22 | 33.00 | 32.90 | 17.25333 | 0.0 | 0.12780 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 23 | 32.90 | 32.80 | 17.24727 | 0.0 | 0.12776 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 24 | 32.80 | 32.70 | 17.24121 | 0.0 | 0.12771 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 25 | 32.70 | 32.60 | 17.23515 | 0.0 | 0.12767 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 26 | 32.60 | 32.50 | 17.22909 | 0.0 | 0.12762 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 27 | 32.50 | 32.40 | 17.22303 | 0.0 | 0.12758 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 28 | 32.40 | 32.30 | 17.21697 | 0.0 | 0.12753 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.128 |
| 29 | 32.30 | 32.20 | 17.21091 | 0.0 | 0.12749 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 30 | 32.20 | 32.10 | 17.20485 | 0.0 | 0.12744 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 31 | 32.10 | 32.00 | 17.19879 | 0.0 | 0.12740 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 32 | 32.00 | 31.90 | 17.19273 | 0.0 | 0.12735 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| 33 | 31.90 | 31.80 | 17.18667 | 0.0 | 0.12731 | 0.01 | 1.00 | 135.00 | 13500.00 | 13500.00 | 135.00 | 0.00 | 0.000 | 0.600 | 0.127 |
| TOT | | | | | | 0.30 | | | 445500.00 | 445500.00 | | | | | |
| AVG | | | | 0.1280 | | | 1.00 | 135.00 | | | 135.00 | | | | |
| CUM | | | | | | 0.30 | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM | ENDING | SAT | REAER | BOD#1 | BOD#1 | ABOD#1 | BOD#2 | BOD#2 | ABOD#2 | BKGD | FULL | CORR | ORGN | ORGN | NH3 | NH3 | DENIT | PO4 | ALG | MAC | COLI | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | D.O. | RATE | DECAY | SETT | DECAY | DECAY | SETT | DECAY | SOD | SOD | SOD | DECAY | SETT | DECAY | SRCE | RATE | SRCE | PROD | PROD | DECAY | DECAY | SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 1 | 35.000 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 34.900 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 5.07 | 5.07 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 34.800 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 5.08 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 34.700 | 7.40 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.08 | 5.08 | 5.08 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 34.600 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 5.09 | 5.09 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 34.500 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 34.400 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 5.10 | 5.10 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 34.300 | 7.39 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 34.200 | 7.38 | 1.73 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.11 | 5.11 | 5.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 34.100 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.12 | 5.12 | 5.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 34.000 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 5.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 33.900 | 7.38 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 | 5.13 | 5.13 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 33.800 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 33.700 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 5.14 | 5.14 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 33.600 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 33.500 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 5.15 | 5.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 33.400 | 7.37 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 5.16 | 5.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 33.300 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 33.200 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 5.17 | 5.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 33.100 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 33.000 | 7.36 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.18 | 5.18 | 5.18 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 32.900 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 5.19 | 5.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 32.800 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 32.700 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 5.20 | 5.20 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 32.600 | 7.35 | 1.74 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 32.500 | 7.35 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 5.21 | 5.21 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 32.400 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.22 | 5.22 | 5.22 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 32.300 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 32.200 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 5.23 | 5.23 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 32.100 | 7.34 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 32.000 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 | 5.24 | 5.24 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 31.900 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 5.25 | 5.25 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 31.800 | 7.33 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | 5.26 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.41 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.000 | 31.22 | 0.00 | 0.00 | 0.00 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.56 | 2.26 | 0.00 | 70.15 | 0.00 | 0. | 0.00 | |
| 2 | 34.900 | 31.24 | 0.00 | 0.00 | 0.00 | 6.19 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.30 | 0.00 | 0. | 0.00 | |
| 3 | 34.800 | 31.25 | 0.00 | 0.00 | 0.00 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.45 | 0.00 | 0. | 0.00 | |
| 4 | 34.700 | 31.27 | 0.00 | 0.00 | 0.00 | 6.18 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.25 | 0.00 | 70.61 | 0.00 | 0. | 0.00 | |
| 5 | 34.600 | 31.29 | 0.00 | 0.00 | 0.00 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.55 | 2.24 | 0.00 | 70.76 | 0.00 | 0. | 0.00 | |
| 6 | 34.500 | 31.31 | 0.00 | 0.00 | 0.00 | 6.17 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 70.91 | 0.00 | 0. | 0.00 | |
| 7 | 34.400 | 31.33 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.24 | 0.00 | 71.06 | 0.00 | 0. | 0.00 | |
| 8 | 34.300 | 31.35 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.60 | 0.10 | 0.54 | 2.23 | 0.00 | 71.21 | 0.00 | 0. | 0.00 | |
| 9 | 34.200 | 31.36 | 0.00 | 0.00 | 0.00 | 6.16 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.36 | 0.00 | 0. | 0.00 | |
| 10 | 34.100 | 31.38 | 0.00 | 0.00 | 0.00 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.23 | 0.00 | 71.52 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 34.000 | 31.40 | 0.00 | 0.00 | 0.00 | 6.15 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.67 | 0.00 | 0. | 0.00 |
| 12 | 33.900 | 31.42 | 0.00 | 0.00 | 0.00 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.53 | 2.22 | 0.00 | 71.82 | 0.00 | 0. | 0.00 |
| 13 | 33.800 | 31.44 | 0.00 | 0.00 | 0.00 | 6.14 | 16.08 | 0.00 | 16.08 | 0.00 | 1.59 | 0.10 | 0.52 | 2.22 | 0.00 | 71.97 | 0.00 | 0. | 0.00 |
| 14 | 33.700 | 31.45 | 0.00 | 0.00 | 0.00 | 6.14 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.12 | 0.00 | 0. | 0.00 |
| 15 | 33.600 | 31.47 | 0.00 | 0.00 | 0.00 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.52 | 2.21 | 0.00 | 72.27 | 0.00 | 0. | 0.00 |
| 16 | 33.500 | 31.49 | 0.00 | 0.00 | 0.00 | 6.13 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.21 | 0.00 | 72.42 | 0.00 | 0. | 0.00 |
| 17 | 33.400 | 31.51 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.58 | 0.00 | 0. | 0.00 |
| 18 | 33.300 | 31.53 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.73 | 0.00 | 0. | 0.00 |
| 19 | 33.200 | 31.55 | 0.00 | 0.00 | 0.00 | 6.12 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.51 | 2.20 | 0.00 | 72.88 | 0.00 | 0. | 0.00 |
| 20 | 33.100 | 31.56 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.03 | 0.00 | 0. | 0.00 |
| 21 | 33.000 | 31.58 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.19 | 0.00 | 73.18 | 0.00 | 0. | 0.00 |
| 22 | 32.900 | 31.60 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.50 | 2.18 | 0.00 | 73.33 | 0.00 | 0. | 0.00 |
| 23 | 32.800 | 31.62 | 0.00 | 0.00 | 0.00 | 6.11 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.48 | 0.00 | 0. | 0.00 |
| 24 | 32.700 | 31.64 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.59 | 0.10 | 0.49 | 2.18 | 0.00 | 73.64 | 0.00 | 0. | 0.00 |
| 25 | 32.600 | 31.65 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.79 | 0.00 | 0. | 0.00 |
| 26 | 32.500 | 31.67 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.49 | 2.17 | 0.00 | 73.94 | 0.00 | 0. | 0.00 |
| 27 | 32.400 | 31.69 | 0.00 | 0.00 | 0.00 | 6.10 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.17 | 0.00 | 74.09 | 0.00 | 0. | 0.00 |
| 28 | 32.300 | 31.71 | 0.00 | 0.00 | 0.00 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.24 | 0.00 | 0. | 0.00 |
| 29 | 32.200 | 31.73 | 0.00 | 0.00 | 0.00 | 6.09 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.48 | 2.16 | 0.00 | 74.39 | 0.00 | 0. | 0.00 |
| 30 | 32.100 | 31.75 | 0.00 | 0.00 | 0.00 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.16 | 0.00 | 74.55 | 0.00 | 0. | 0.00 |
| 31 | 32.000 | 31.76 | 0.00 | 0.00 | 0.00 | 6.09 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.70 | 0.00 | 0. | 0.00 |
| 32 | 31.900 | 31.78 | 0.00 | 0.00 | 0.00 | 6.08 | 16.08 | 0.00 | 16.08 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 74.85 | 0.00 | 0. | 0.00 |
| 33 | 31.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 2.15 | 0.00 | 75.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 2 Blackbird Bayou to 120401-G TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | UPR RCH | 17.18667 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.09 | 0.00 | 16.09 | 0.00 | 1.58 | 0.10 | 0.47 | 0.00 | 75.00 | 0.00 | 0.00 |
| EACH | INCR | 0.03937 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 50.00 | 0.00 | | | 3.10 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| EACH | INCR | -0.04094 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | AREA m² | AREA m² | VOLUME m³ | SURFACE PRISM m/s | X-SECT VELO m²/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 31.80 | 31.70 | 17.18510 | 0.0 | 0.15623 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 35 | 31.70 | 31.60 | 17.18352 | 0.0 | 0.15621 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 36 | 31.60 | 31.50 | 17.18195 | 0.0 | 0.15620 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 37 | 31.50 | 31.40 | 17.18037 | 0.0 | 0.15619 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 38 | 31.40 | 31.30 | 17.17879 | 0.0 | 0.15617 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 39 | 31.30 | 31.20 | 17.17722 | 0.0 | 0.15616 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 40 | 31.20 | 31.10 | 17.17564 | 0.0 | 0.15614 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 41 | 31.10 | 31.00 | 17.17407 | 0.0 | 0.15613 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 42 | 31.00 | 30.90 | 17.17249 | 0.0 | 0.15611 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 43 | 30.90 | 30.80 | 17.17092 | 0.0 | 0.15610 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 44 | 30.80 | 30.70 | 17.16934 | 0.0 | 0.15608 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 45 | 30.70 | 30.60 | 17.16777 | 0.0 | 0.15607 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 46 | 30.60 | 30.50 | 17.16619 | 0.0 | 0.15606 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 47 | 30.50 | 30.40 | 17.16462 | 0.0 | 0.15604 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |
| 48 | 30.40 | 30.30 | 17.16304 | 0.0 | 0.15603 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 30.30 | 30.20 | 17.16146 | 0.0 | 0.15601 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 50 | 30.20 | 30.10 | 17.15989 | 0.0 | 0.15600 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 51 | 30.10 | 30.00 | 17.15831 | 0.0 | 0.15598 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 52 | 30.00 | 29.90 | 17.15674 | 0.0 | 0.15597 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 53 | 29.90 | 29.80 | 17.15516 | 0.0 | 0.15596 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 54 | 29.80 | 29.70 | 17.15359 | 0.0 | 0.15594 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 55 | 29.70 | 29.60 | 17.15201 | 0.0 | 0.15593 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 56 | 29.60 | 29.50 | 17.15044 | 0.0 | 0.15591 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 57 | 29.50 | 29.40 | 17.14886 | 0.0 | 0.15590 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 58 | 29.40 | 29.30 | 17.14729 | 0.0 | 0.15588 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 59 | 29.30 | 29.20 | 17.14571 | 0.0 | 0.15587 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 60 | 29.20 | 29.10 | 17.14413 | 0.0 | 0.15586 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 61 | 29.10 | 29.00 | 17.14256 | 0.0 | 0.15584 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 62 | 29.00 | 28.90 | 17.14098 | 0.0 | 0.15583 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 63 | 28.90 | 28.80 | 17.13941 | 0.0 | 0.15581 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 64 | 28.80 | 28.70 | 17.13783 | 0.0 | 0.15580 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 65 | 28.70 | 28.60 | 17.13626 | 0.0 | 0.15578 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 66 | 28.60 | 28.50 | 17.13468 | 0.0 | 0.15577 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 67 | 28.50 | 28.40 | 17.13311 | 0.0 | 0.15576 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 68 | 28.40 | 28.30 | 17.13153 | 0.0 | 0.15574 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 69 | 28.30 | 28.20 | 17.12996 | 0.0 | 0.15573 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 70 | 28.20 | 28.10 | 17.12838 | 0.0 | 0.15571 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 71 | 28.10 | 28.00 | 17.12680 | 0.0 | 0.15570 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 72 | 28.00 | 27.90 | 17.12523 | 0.0 | 0.15568 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 73 | 27.90 | 27.80 | 17.12365 | 0.0 | 0.15567 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 74 | 27.80 | 27.70 | 17.12208 | 0.0 | 0.15566 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 75 | 27.70 | 27.60 | 17.12050 | 0.0 | 0.15564 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 76 | 27.60 | 27.50 | 17.11893 | 0.0 | 0.15563 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 77 | 27.50 | 27.40 | 17.11735 | 0.0 | 0.15561 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 78 | 27.40 | 27.30 | 17.11578 | 0.0 | 0.15560 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 79 | 27.30 | 27.20 | 17.11420 | 0.0 | 0.15558 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 80 | 27.20 | 27.10 | 17.11263 | 0.0 | 0.15557 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 81 | 27.10 | 27.00 | 17.11105 | 0.0 | 0.15555 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 82 | 27.00 | 26.90 | 17.10947 | 0.0 | 0.15554 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 83 | 26.90 | 26.80 | 17.10790 | 0.0 | 0.15553 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 84 | 26.80 | 26.70 | 17.10632 | 0.0 | 0.15551 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.156 |
| 85 | 26.70 | 26.60 | 17.10475 | 0.0 | 0.15550 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 86 | 26.60 | 26.50 | 17.10317 | 0.0 | 0.15548 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 87 | 26.50 | 26.40 | 17.10160 | 0.0 | 0.15547 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 88 | 26.40 | 26.30 | 17.10002 | 0.0 | 0.15545 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 89 | 26.30 | 26.20 | 17.09845 | 0.0 | 0.15544 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 90 | 26.20 | 26.10 | 17.09687 | 0.0 | 0.15543 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 91 | 26.10 | 26.00 | 17.09529 | 0.0 | 0.15541 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 92 | 26.00 | 25.90 | 17.09372 | 0.0 | 0.15540 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 93 | 25.90 | 25.80 | 17.09214 | 0.0 | 0.15538 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 94 | 25.80 | 25.70 | 17.09057 | 0.0 | 0.15537 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 95 | 25.70 | 25.60 | 17.08899 | 0.0 | 0.15535 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 96 | 25.60 | 25.50 | 17.08742 | 0.0 | 0.15534 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 97 | 25.50 | 25.40 | 17.08584 | 0.0 | 0.15533 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 98 | 25.40 | 25.30 | 17.08427 | 0.0 | 0.15531 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 25.30 | 25.20 | 17.08269 | 0.0 | 0.15530 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 100 | 25.20 | 25.10 | 17.08112 | 0.0 | 0.15528 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 101 | 25.10 | 25.00 | 17.07954 | 0.0 | 0.15527 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 102 | 25.00 | 24.90 | 17.07796 | 0.0 | 0.15525 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 103 | 24.90 | 24.80 | 17.07639 | 0.0 | 0.15524 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 104 | 24.80 | 24.70 | 17.07481 | 0.0 | 0.15523 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 105 | 24.70 | 24.60 | 17.07324 | 0.0 | 0.15521 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 106 | 24.60 | 24.50 | 17.07166 | 0.0 | 0.15520 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 107 | 24.50 | 24.40 | 17.07009 | 0.0 | 0.15518 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 108 | 24.40 | 24.30 | 17.06851 | 0.0 | 0.15517 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 109 | 24.30 | 24.20 | 17.06694 | 0.0 | 0.15515 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 110 | 24.20 | 24.10 | 17.06536 | 0.0 | 0.15514 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 111 | 24.10 | 24.00 | 17.06379 | 0.0 | 0.15513 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 112 | 24.00 | 23.90 | 17.06221 | 0.0 | 0.15511 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 113 | 23.90 | 23.80 | 17.06063 | 0.0 | 0.15510 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 114 | 23.80 | 23.70 | 17.05906 | 0.0 | 0.15508 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 115 | 23.70 | 23.60 | 17.05748 | 0.0 | 0.15507 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 116 | 23.60 | 23.50 | 17.05591 | 0.0 | 0.15505 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 117 | 23.50 | 23.40 | 17.05433 | 0.0 | 0.15504 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 118 | 23.40 | 23.30 | 17.05276 | 0.0 | 0.15503 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 119 | 23.30 | 23.20 | 17.05118 | 0.0 | 0.15501 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 120 | 23.20 | 23.10 | 17.04961 | 0.0 | 0.15500 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 121 | 23.10 | 23.00 | 17.04803 | 0.0 | 0.15498 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 122 | 23.00 | 22.90 | 17.04646 | 0.0 | 0.15497 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 123 | 22.90 | 22.80 | 17.04488 | 0.0 | 0.15495 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 124 | 22.80 | 22.70 | 17.04330 | 0.0 | 0.15494 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 125 | 22.70 | 22.60 | 17.04173 | 0.0 | 0.15492 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 126 | 22.60 | 22.50 | 17.04015 | 0.0 | 0.15491 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 127 | 22.50 | 22.40 | 17.03858 | 0.0 | 0.15490 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 128 | 22.40 | 22.30 | 17.03700 | 0.0 | 0.15488 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 129 | 22.30 | 22.20 | 17.03543 | 0.0 | 0.15487 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 130 | 22.20 | 22.10 | 17.03385 | 0.0 | 0.15485 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 131 | 22.10 | 22.00 | 17.03228 | 0.0 | 0.15484 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 132 | 22.00 | 21.90 | 17.03070 | 0.0 | 0.15482 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 133 | 21.90 | 21.80 | 17.02913 | 0.0 | 0.15481 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 134 | 21.80 | 21.70 | 17.02755 | 0.0 | 0.15480 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 135 | 21.70 | 21.60 | 17.02597 | 0.0 | 0.15478 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 136 | 21.60 | 21.50 | 17.02440 | 0.0 | 0.15477 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 137 | 21.50 | 21.40 | 17.02282 | 0.0 | 0.15475 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 138 | 21.40 | 21.30 | 17.02125 | 0.0 | 0.15474 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 139 | 21.30 | 21.20 | 17.01967 | 0.0 | 0.15472 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 140 | 21.20 | 21.10 | 17.01810 | 0.0 | 0.15471 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 141 | 21.10 | 21.00 | 17.01652 | 0.0 | 0.15470 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 142 | 21.00 | 20.90 | 17.01495 | 0.0 | 0.15468 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 143 | 20.90 | 20.80 | 17.01337 | 0.0 | 0.15467 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 144 | 20.80 | 20.70 | 17.01180 | 0.0 | 0.15465 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 145 | 20.70 | 20.60 | 17.01022 | 0.0 | 0.15464 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 146 | 20.60 | 20.50 | 17.00864 | 0.0 | 0.15462 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 147 | 20.50 | 20.40 | 17.00707 | 0.0 | 0.15461 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |
| 148 | 20.40 | 20.30 | 17.00549 | 0.0 | 0.15460 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | 20.30 | 20.20 | 17.00392 | 0.0 | 0.15458 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 150 | 20.20 | 20.10 | 17.00234 | 0.0 | 0.15457 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 151 | 20.10 | 20.00 | 17.00077 | 0.0 | 0.15455 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 152 | 20.00 | 19.90 | 16.99919 | 0.0 | 0.15454 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 153 | 19.90 | 19.80 | 16.99762 | 0.0 | 0.15452 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 154 | 19.80 | 19.70 | 16.99604 | 0.0 | 0.15451 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.155 | | | | | | | | |
| 155 | 19.70 | 19.60 | 16.99446 | 0.0 | 0.15450 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| 156 | 19.60 | 19.50 | 16.99289 | 0.0 | 0.15448 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| 157 | 19.50 | 19.40 | 16.99131 | 0.0 | 0.15447 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| 158 | 19.40 | 19.30 | 16.98974 | 0.0 | 0.15445 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| 159 | 19.30 | 19.20 | 16.98816 | 0.0 | 0.15444 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| 160 | 19.20 | 19.10 | 16.98659 | 0.0 | 0.15442 | 0.01 | 1.00 | 110.00 | 11000.00 | 11000.00 | 110.00 | 0.00 | 0.000 | 0.500 | 0.154 | | | | | | | | |
| TOT | | | | 0.95 | | 1397000.00 | 1397000.00 | | | | | | | | | | | | | | | | |
| AVG | | | 0.1553 | | 1.00 | 110.00 | | | 110.00 | | | | | | | | | | | | | | |
| CUM | | | | 1.24 | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | ABOD#1 SETT 1/da | BOD#2 DECAY * | BOD#2 SETT * | ABOD#2 DECAY * | BKGD SOD 1/da | FULL SOD 1/da | CORR SOD * | ORGN DECAY 1/da | ORGN SETT * | ORGN DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 31.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35 | 31.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 36 | 31.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 37 | 31.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 38 | 31.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 39 | 31.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 40 | 31.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 41 | 31.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 42 | 30.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 43 | 30.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 44 | 30.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 45 | 30.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 46 | 30.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.49 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 47 | 30.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 48 | 30.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 49 | 30.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.50 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 50 | 30.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 51 | 30.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 52 | 29.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 53 | 29.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 54 | 29.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 55 | 29.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 56 | 29.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 57 | 29.400 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 58 | 29.300 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 59 | 29.200 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 60 | 29.100 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 61 | 29.000 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.54 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 62 | 28.900 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 63 | 28.800 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 28.700 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 28.600 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 28.500 | 7.33 | 1.93 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 28.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 28.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 28.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 28.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 28.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 27.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 27.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 27.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 27.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 27.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 27.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 27.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 27.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 27.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 27.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 26.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 26.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 26.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 26.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 26.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 26.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 26.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 26.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 26.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 26.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 25.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 25.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 25.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 25.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 25.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 25.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 25.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 25.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 25.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 25.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 24.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 24.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 24.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 24.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 24.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 24.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 24.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 24.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 24.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 24.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 23.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 23.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | 23.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 23.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 23.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 23.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 23.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 23.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 23.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 23.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 22.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 22.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 22.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 22.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 22.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 22.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 22.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 22.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 22.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 22.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 21.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 21.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 21.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 21.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 21.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 21.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 21.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 21.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 21.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 21.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 20.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 20.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 20.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 20.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 20.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 20.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 20.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 20.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 20.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 20.000 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 19.900 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 19.800 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 19.700 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 19.600 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 19.500 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 19.400 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 19.300 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 19.200 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 19.100 | 7.33 | 1.92 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 5.68 | 5.68 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.55 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 31.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.08 | 16.14 | 0.00 | 16.14 | 0.00 | 1.58 | 0.10 | 0.46 | 2.15 | 0.00 | 75.04 | 0.00 | 0. | 0.00 |
| 35 | 31.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.07 | 16.19 | 0.00 | 16.19 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.08 | 0.00 | 0. | 0.00 |
| 36 | 31.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.07 | 16.24 | 0.00 | 16.24 | 0.00 | 1.59 | 0.10 | 0.46 | 2.15 | 0.00 | 75.12 | 0.00 | 0. | 0.00 |
| 37 | 31.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.06 | 16.30 | 0.00 | 16.30 | 0.00 | 1.59 | 0.10 | 0.45 | 2.15 | 0.00 | 75.16 | 0.00 | 0. | 0.00 |
| 38 | 31.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.06 | 16.35 | 0.00 | 16.35 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.20 | 0.00 | 0. | 0.00 |
| 39 | 31.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.05 | 16.40 | 0.00 | 16.40 | 0.00 | 1.60 | 0.10 | 0.45 | 2.15 | 0.00 | 75.24 | 0.00 | 0. | 0.00 |
| 40 | 31.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.05 | 16.45 | 0.00 | 16.45 | 0.00 | 1.60 | 0.10 | 0.44 | 2.15 | 0.00 | 75.28 | 0.00 | 0. | 0.00 |
| 41 | 31.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.50 | 0.00 | 16.50 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.31 | 0.00 | 0. | 0.00 |
| 42 | 30.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.55 | 0.00 | 16.55 | 0.00 | 1.61 | 0.10 | 0.44 | 2.15 | 0.00 | 75.35 | 0.00 | 0. | 0.00 |
| 43 | 30.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 16.61 | 0.00 | 16.61 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.39 | 0.00 | 0. | 0.00 |
| 44 | 30.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.03 | 16.66 | 0.00 | 16.66 | 0.00 | 1.61 | 0.10 | 0.43 | 2.15 | 0.00 | 75.43 | 0.00 | 0. | 0.00 |
| 45 | 30.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.03 | 16.71 | 0.00 | 16.71 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.47 | 0.00 | 0. | 0.00 |
| 46 | 30.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.02 | 16.76 | 0.00 | 16.76 | 0.00 | 1.62 | 0.10 | 0.43 | 2.15 | 0.00 | 75.51 | 0.00 | 0. | 0.00 |
| 47 | 30.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.02 | 16.81 | 0.00 | 16.81 | 0.00 | 1.62 | 0.10 | 0.42 | 2.15 | 0.00 | 75.55 | 0.00 | 0. | 0.00 |
| 48 | 30.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.01 | 16.86 | 0.00 | 16.86 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.59 | 0.00 | 0. | 0.00 |
| 49 | 30.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.01 | 16.91 | 0.00 | 16.91 | 0.00 | 1.63 | 0.10 | 0.42 | 2.15 | 0.00 | 75.63 | 0.00 | 0. | 0.00 |
| 50 | 30.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 16.96 | 0.00 | 16.96 | 0.00 | 1.63 | 0.10 | 0.41 | 2.15 | 0.00 | 75.67 | 0.00 | 0. | 0.00 |
| 51 | 30.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 17.01 | 0.00 | 17.01 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.71 | 0.00 | 0. | 0.00 |
| 52 | 29.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.00 | 17.06 | 0.00 | 17.06 | 0.00 | 1.64 | 0.10 | 0.41 | 2.15 | 0.00 | 75.75 | 0.00 | 0. | 0.00 |
| 53 | 29.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 17.11 | 0.00 | 17.11 | 0.00 | 1.64 | 0.10 | 0.40 | 2.15 | 0.00 | 75.79 | 0.00 | 0. | 0.00 |
| 54 | 29.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 17.16 | 0.00 | 17.16 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.83 | 0.00 | 0. | 0.00 |
| 55 | 29.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.98 | 17.21 | 0.00 | 17.21 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.87 | 0.00 | 0. | 0.00 |
| 56 | 29.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.98 | 17.25 | 0.00 | 17.25 | 0.00 | 1.65 | 0.10 | 0.40 | 2.15 | 0.00 | 75.91 | 0.00 | 0. | 0.00 |
| 57 | 29.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.30 | 0.00 | 17.30 | 0.00 | 1.65 | 0.10 | 0.39 | 2.15 | 0.00 | 75.94 | 0.00 | 0. | 0.00 |
| 58 | 29.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.35 | 0.00 | 17.35 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 75.98 | 0.00 | 0. | 0.00 |
| 59 | 29.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.97 | 17.40 | 0.00 | 17.40 | 0.00 | 1.66 | 0.10 | 0.39 | 2.15 | 0.00 | 76.02 | 0.00 | 0. | 0.00 |
| 60 | 29.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.96 | 17.45 | 0.00 | 17.45 | 0.00 | 1.66 | 0.10 | 0.38 | 2.15 | 0.00 | 76.06 | 0.00 | 0. | 0.00 |
| 61 | 29.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.96 | 17.49 | 0.00 | 17.49 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.10 | 0.00 | 0. | 0.00 |
| 62 | 28.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.54 | 0.00 | 17.54 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.14 | 0.00 | 0. | 0.00 |
| 63 | 28.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.59 | 0.00 | 17.59 | 0.00 | 1.67 | 0.10 | 0.38 | 2.15 | 0.00 | 76.18 | 0.00 | 0. | 0.00 |
| 64 | 28.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.95 | 17.64 | 0.00 | 17.64 | 0.00 | 1.67 | 0.10 | 0.37 | 2.15 | 0.00 | 76.22 | 0.00 | 0. | 0.00 |
| 65 | 28.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 17.68 | 0.00 | 17.68 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.26 | 0.00 | 0. | 0.00 |
| 66 | 28.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 17.73 | 0.00 | 17.73 | 0.00 | 1.68 | 0.10 | 0.37 | 2.15 | 0.00 | 76.30 | 0.00 | 0. | 0.00 |
| 67 | 28.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.78 | 0.00 | 17.78 | 0.00 | 1.68 | 0.10 | 0.36 | 2.15 | 0.00 | 76.34 | 0.00 | 0. | 0.00 |
| 68 | 28.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.82 | 0.00 | 17.82 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.38 | 0.00 | 0. | 0.00 |
| 69 | 28.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.93 | 17.87 | 0.00 | 17.87 | 0.00 | 1.69 | 0.10 | 0.36 | 2.15 | 0.00 | 76.42 | 0.00 | 0. | 0.00 |
| 70 | 28.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.92 | 17.92 | 0.00 | 17.92 | 0.00 | 1.69 | 0.10 | 0.35 | 2.15 | 0.00 | 76.46 | 0.00 | 0. | 0.00 |
| 71 | 28.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.92 | 17.96 | 0.00 | 17.96 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.50 | 0.00 | 0. | 0.00 |
| 72 | 27.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.01 | 0.00 | 18.01 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.54 | 0.00 | 0. | 0.00 |
| 73 | 27.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.06 | 0.00 | 18.06 | 0.00 | 1.70 | 0.10 | 0.35 | 2.15 | 0.00 | 76.57 | 0.00 | 0. | 0.00 |
| 74 | 27.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.91 | 18.10 | 0.00 | 18.10 | 0.00 | 1.70 | 0.10 | 0.34 | 2.15 | 0.00 | 76.61 | 0.00 | 0. | 0.00 |
| 75 | 27.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.90 | 18.15 | 0.00 | 18.15 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.65 | 0.00 | 0. | 0.00 |
| 76 | 27.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.90 | 18.19 | 0.00 | 18.19 | 0.00 | 1.71 | 0.10 | 0.34 | 2.15 | 0.00 | 76.69 | 0.00 | 0. | 0.00 |
| 77 | 27.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.24 | 0.00 | 18.24 | 0.00 | 1.71 | 0.10 | 0.33 | 2.15 | 0.00 | 76.73 | 0.00 | 0. | 0.00 |
| 78 | 27.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.28 | 0.00 | 18.28 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.77 | 0.00 | 0. | 0.00 |
| 79 | 27.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 18.33 | 0.00 | 18.33 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.81 | 0.00 | 0. | 0.00 |
| 80 | 27.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.88 | 18.37 | 0.00 | 18.37 | 0.00 | 1.72 | 0.10 | 0.33 | 2.15 | 0.00 | 76.85 | 0.00 | 0. | 0.00 |
| 81 | 27.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.88 | 18.42 | 0.00 | 18.42 | 0.00 | 1.72 | 0.10 | 0.32 | 2.15 | 0.00 | 76.89 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 26.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.46 | 0.00 | 18.46 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.93 | 0.00 | 0. | 0.00 |
| 83 | 26.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.50 | 0.00 | 18.50 | 0.00 | 1.73 | 0.10 | 0.32 | 2.15 | 0.00 | 76.97 | 0.00 | 0. | 0.00 |
| 84 | 26.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.87 | 18.55 | 0.00 | 18.55 | 0.00 | 1.73 | 0.10 | 0.31 | 2.15 | 0.00 | 77.01 | 0.00 | 0. | 0.00 |
| 85 | 26.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.59 | 0.00 | 18.59 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.05 | 0.00 | 0. | 0.00 |
| 86 | 26.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.63 | 0.00 | 18.63 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.09 | 0.00 | 0. | 0.00 |
| 87 | 26.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.86 | 18.68 | 0.00 | 18.68 | 0.00 | 1.74 | 0.10 | 0.31 | 2.15 | 0.00 | 77.13 | 0.00 | 0. | 0.00 |
| 88 | 26.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.72 | 0.00 | 18.72 | 0.00 | 1.74 | 0.10 | 0.30 | 2.15 | 0.00 | 77.17 | 0.00 | 0. | 0.00 |
| 89 | 26.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.76 | 0.00 | 18.76 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.20 | 0.00 | 0. | 0.00 |
| 90 | 26.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.85 | 18.81 | 0.00 | 18.81 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.24 | 0.00 | 0. | 0.00 |
| 91 | 26.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 18.85 | 0.00 | 18.85 | 0.00 | 1.75 | 0.10 | 0.30 | 2.15 | 0.00 | 77.28 | 0.00 | 0. | 0.00 |
| 92 | 25.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 18.89 | 0.00 | 18.89 | 0.00 | 1.75 | 0.10 | 0.29 | 2.15 | 0.00 | 77.32 | 0.00 | 0. | 0.00 |
| 93 | 25.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 18.93 | 0.00 | 18.93 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.36 | 0.00 | 0. | 0.00 |
| 94 | 25.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 18.98 | 0.00 | 18.98 | 0.00 | 1.76 | 0.10 | 0.29 | 2.15 | 0.00 | 77.40 | 0.00 | 0. | 0.00 |
| 95 | 25.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.83 | 19.02 | 0.00 | 19.02 | 0.00 | 1.76 | 0.10 | 0.28 | 2.15 | 0.00 | 77.44 | 0.00 | 0. | 0.00 |
| 96 | 25.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.06 | 0.00 | 19.06 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.48 | 0.00 | 0. | 0.00 |
| 97 | 25.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.10 | 0.00 | 19.10 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.52 | 0.00 | 0. | 0.00 |
| 98 | 25.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.82 | 19.14 | 0.00 | 19.14 | 0.00 | 1.77 | 0.10 | 0.28 | 2.15 | 0.00 | 77.56 | 0.00 | 0. | 0.00 |
| 99 | 25.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.19 | 0.00 | 19.19 | 0.00 | 1.77 | 0.10 | 0.27 | 2.15 | 0.00 | 77.60 | 0.00 | 0. | 0.00 |
| 100 | 25.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.23 | 0.00 | 19.23 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.64 | 0.00 | 0. | 0.00 |
| 101 | 25.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.81 | 19.27 | 0.00 | 19.27 | 0.00 | 1.78 | 0.10 | 0.27 | 2.15 | 0.00 | 77.68 | 0.00 | 0. | 0.00 |
| 102 | 24.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.31 | 0.00 | 19.31 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.72 | 0.00 | 0. | 0.00 |
| 103 | 24.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.35 | 0.00 | 19.35 | 0.00 | 1.78 | 0.10 | 0.26 | 2.15 | 0.00 | 77.76 | 0.00 | 0. | 0.00 |
| 104 | 24.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.80 | 19.39 | 0.00 | 19.39 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.80 | 0.00 | 0. | 0.00 |
| 105 | 24.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.43 | 0.00 | 19.43 | 0.00 | 1.79 | 0.10 | 0.26 | 2.15 | 0.00 | 77.83 | 0.00 | 0. | 0.00 |
| 106 | 24.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.47 | 0.00 | 19.47 | 0.00 | 1.79 | 0.10 | 0.25 | 2.15 | 0.00 | 77.87 | 0.00 | 0. | 0.00 |
| 107 | 24.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 19.51 | 0.00 | 19.51 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.91 | 0.00 | 0. | 0.00 |
| 108 | 24.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.55 | 0.00 | 19.55 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.95 | 0.00 | 0. | 0.00 |
| 109 | 24.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.59 | 0.00 | 19.59 | 0.00 | 1.80 | 0.10 | 0.25 | 2.15 | 0.00 | 77.99 | 0.00 | 0. | 0.00 |
| 110 | 24.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.78 | 19.63 | 0.00 | 19.63 | 0.00 | 1.80 | 0.10 | 0.24 | 2.15 | 0.00 | 78.03 | 0.00 | 0. | 0.00 |
| 111 | 24.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.67 | 0.00 | 19.67 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.07 | 0.00 | 0. | 0.00 |
| 112 | 23.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.71 | 0.00 | 19.71 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.11 | 0.00 | 0. | 0.00 |
| 113 | 23.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.77 | 19.75 | 0.00 | 19.75 | 0.00 | 1.81 | 0.10 | 0.24 | 2.15 | 0.00 | 78.15 | 0.00 | 0. | 0.00 |
| 114 | 23.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.79 | 0.00 | 19.79 | 0.00 | 1.81 | 0.10 | 0.23 | 2.15 | 0.00 | 78.19 | 0.00 | 0. | 0.00 |
| 115 | 23.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.83 | 0.00 | 19.83 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.23 | 0.00 | 0. | 0.00 |
| 116 | 23.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.76 | 19.87 | 0.00 | 19.87 | 0.00 | 1.82 | 0.10 | 0.23 | 2.15 | 0.00 | 78.27 | 0.00 | 0. | 0.00 |
| 117 | 23.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.91 | 0.00 | 19.91 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.31 | 0.00 | 0. | 0.00 |
| 118 | 23.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.95 | 0.00 | 19.95 | 0.00 | 1.82 | 0.10 | 0.22 | 2.15 | 0.00 | 78.35 | 0.00 | 0. | 0.00 |
| 119 | 23.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.75 | 19.98 | 0.00 | 19.98 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.39 | 0.00 | 0. | 0.00 |
| 120 | 23.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.02 | 0.00 | 20.02 | 0.00 | 1.83 | 0.10 | 0.22 | 2.15 | 0.00 | 78.43 | 0.00 | 0. | 0.00 |
| 121 | 23.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.06 | 0.00 | 20.06 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.46 | 0.00 | 0. | 0.00 |
| 122 | 22.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.10 | 0.00 | 20.10 | 0.00 | 1.83 | 0.10 | 0.21 | 2.15 | 0.00 | 78.50 | 0.00 | 0. | 0.00 |
| 123 | 22.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.74 | 20.14 | 0.00 | 20.14 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.54 | 0.00 | 0. | 0.00 |
| 124 | 22.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.17 | 0.00 | 20.17 | 0.00 | 1.84 | 0.10 | 0.21 | 2.15 | 0.00 | 78.58 | 0.00 | 0. | 0.00 |
| 125 | 22.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.21 | 0.00 | 20.21 | 0.00 | 1.84 | 0.10 | 0.20 | 2.15 | 0.00 | 78.62 | 0.00 | 0. | 0.00 |
| 126 | 22.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 20.25 | 0.00 | 20.25 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.66 | 0.00 | 0. | 0.00 |
| 127 | 22.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.29 | 0.00 | 20.29 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.70 | 0.00 | 0. | 0.00 |
| 128 | 22.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.32 | 0.00 | 20.32 | 0.00 | 1.85 | 0.10 | 0.20 | 2.15 | 0.00 | 78.74 | 0.00 | 0. | 0.00 |
| 129 | 22.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.72 | 20.36 | 0.00 | 20.36 | 0.00 | 1.85 | 0.10 | 0.19 | 2.15 | 0.00 | 78.78 | 0.00 | 0. | 0.00 |
| 130 | 22.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.40 | 0.00 | 20.40 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.82 | 0.00 | 0. | 0.00 |
| 131 | 22.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.44 | 0.00 | 20.44 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.86 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132 | 21.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.47 | 0.00 | 20.47 | 0.00 | 1.86 | 0.11 | 0.19 | 2.15 | 0.00 | 78.90 | 0.00 | 0. | 0.00 |
| 133 | 21.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.71 | 20.51 | 0.00 | 20.51 | 0.00 | 1.86 | 0.11 | 0.18 | 2.15 | 0.00 | 78.94 | 0.00 | 0. | 0.00 |
| 134 | 21.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.55 | 0.00 | 20.55 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 78.98 | 0.00 | 0. | 0.00 |
| 135 | 21.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.58 | 0.00 | 20.58 | 0.00 | 1.87 | 0.11 | 0.18 | 2.15 | 0.00 | 79.02 | 0.00 | 0. | 0.00 |
| 136 | 21.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.70 | 20.62 | 0.00 | 20.62 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.06 | 0.00 | 0. | 0.00 |
| 137 | 21.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.65 | 0.00 | 20.65 | 0.00 | 1.87 | 0.11 | 0.17 | 2.15 | 0.00 | 79.09 | 0.00 | 0. | 0.00 |
| 138 | 21.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.69 | 0.00 | 20.69 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.13 | 0.00 | 0. | 0.00 |
| 139 | 21.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.73 | 0.00 | 20.73 | 0.00 | 1.88 | 0.11 | 0.17 | 2.15 | 0.00 | 79.17 | 0.00 | 0. | 0.00 |
| 140 | 21.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.69 | 20.76 | 0.00 | 20.76 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.21 | 0.00 | 0. | 0.00 |
| 141 | 21.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.80 | 0.00 | 20.80 | 0.00 | 1.88 | 0.11 | 0.16 | 2.15 | 0.00 | 79.25 | 0.00 | 0. | 0.00 |
| 142 | 20.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.83 | 0.00 | 20.83 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.29 | 0.00 | 0. | 0.00 |
| 143 | 20.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 20.87 | 0.00 | 20.87 | 0.00 | 1.89 | 0.11 | 0.16 | 2.15 | 0.00 | 79.33 | 0.00 | 0. | 0.00 |
| 144 | 20.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.90 | 0.00 | 20.90 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.37 | 0.00 | 0. | 0.00 |
| 145 | 20.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.94 | 0.00 | 20.94 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.41 | 0.00 | 0. | 0.00 |
| 146 | 20.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 20.97 | 0.00 | 20.97 | 0.00 | 1.89 | 0.11 | 0.15 | 2.15 | 0.00 | 79.45 | 0.00 | 0. | 0.00 |
| 147 | 20.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.67 | 21.01 | 0.00 | 21.01 | 0.00 | 1.90 | 0.11 | 0.15 | 2.15 | 0.00 | 79.49 | 0.00 | 0. | 0.00 |
| 148 | 20.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.04 | 0.00 | 21.04 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.53 | 0.00 | 0. | 0.00 |
| 149 | 20.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.08 | 0.00 | 21.08 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.57 | 0.00 | 0. | 0.00 |
| 150 | 20.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.11 | 0.00 | 21.11 | 0.00 | 1.90 | 0.11 | 0.14 | 2.15 | 0.00 | 79.61 | 0.00 | 0. | 0.00 |
| 151 | 20.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.66 | 21.14 | 0.00 | 21.14 | 0.00 | 1.91 | 0.11 | 0.14 | 2.15 | 0.00 | 79.65 | 0.00 | 0. | 0.00 |
| 152 | 19.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.18 | 0.00 | 21.18 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.69 | 0.00 | 0. | 0.00 |
| 153 | 19.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.21 | 0.00 | 21.21 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.72 | 0.00 | 0. | 0.00 |
| 154 | 19.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.25 | 0.00 | 21.25 | 0.00 | 1.91 | 0.11 | 0.13 | 2.15 | 0.00 | 79.76 | 0.00 | 0. | 0.00 |
| 155 | 19.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.65 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.13 | 2.15 | 0.00 | 79.80 | 0.00 | 0. | 0.00 |
| 156 | 19.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.84 | 0.00 | 0. | 0.00 |
| 157 | 19.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.35 | 0.00 | 21.35 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.88 | 0.00 | 0. | 0.00 |
| 158 | 19.300 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.38 | 0.00 | 21.38 | 0.00 | 1.92 | 0.11 | 0.12 | 2.15 | 0.00 | 79.92 | 0.00 | 0. | 0.00 |
| 159 | 19.200 | 31.80 | 0.00 | 0.00 | 0.00 | 5.64 | 21.41 | 0.00 | 21.41 | 0.00 | 1.93 | 0.11 | 0.12 | 2.15 | 0.00 | 79.96 | 0.00 | 0. | 0.00 |
| 160 | 19.100 | 31.80 | 0.00 | 0.00 | 0.00 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 80.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 3 120401-G to Turtle Bayou TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | UPR RCH | 16.98659 | 31.80 | 0.00 | 0.00 | 0.00 | 5.63 | 21.44 | 0.00 | 21.44 | 0.00 | 1.93 | 0.11 | 0.11 | 0.00 | 80.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00962 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01346 | | | | | | | | | | | | | | | | |
| 161 | WSTLD | -3.75680 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 0.00 | 79.62 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 19.10 | 19.00 | 13.22594 | 0.0 | 0.08312 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 162 | 19.00 | 18.90 | 13.22209 | 0.0 | 0.08310 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 163 | 18.90 | 18.80 | 13.21825 | 0.0 | 0.08307 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 164 | 18.80 | 18.70 | 13.21440 | 0.0 | 0.08305 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 165 | 18.70 | 18.60 | 13.21056 | 0.0 | 0.08302 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 166 | 18.60 | 18.50 | 13.20671 | 0.0 | 0.08300 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 167 | 18.50 | 18.40 | 13.20286 | 0.0 | 0.08297 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 168 | 18.40 | 18.30 | 13.19902 | 0.0 | 0.08295 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 169 | 18.30 | 18.20 | 13.19517 | 0.0 | 0.08293 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 170 | 18.20 | 18.10 | 13.19133 | 0.0 | 0.08290 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 171 | 18.10 | 18.00 | 13.18748 | 0.0 | 0.08288 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 172 | 18.00 | 17.90 | 13.18363 | 0.0 | 0.08285 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 173 | 17.90 | 17.80 | 13.17979 | 0.0 | 0.08283 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 174 | 17.80 | 17.70 | 13.17594 | 0.0 | 0.08281 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 175 | 17.70 | 17.60 | 13.17209 | 0.0 | 0.08278 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 176 | 17.60 | 17.50 | 13.16825 | 0.0 | 0.08276 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 177 | 17.50 | 17.40 | 13.16440 | 0.0 | 0.08273 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 178 | 17.40 | 17.30 | 13.16056 | 0.0 | 0.08271 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 179 | 17.30 | 17.20 | 13.15671 | 0.0 | 0.08268 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 180 | 17.20 | 17.10 | 13.15286 | 0.0 | 0.08266 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 181 | 17.10 | 17.00 | 13.14902 | 0.0 | 0.08264 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 182 | 17.00 | 16.90 | 13.14517 | 0.0 | 0.08261 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 183 | 16.90 | 16.80 | 13.14132 | 0.0 | 0.08259 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 184 | 16.80 | 16.70 | 13.13748 | 0.0 | 0.08256 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 185 | 16.70 | 16.60 | 13.13363 | 0.0 | 0.08254 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 186 | 16.60 | 16.50 | 13.12979 | 0.0 | 0.08252 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.083 |
| 187 | 16.50 | 16.40 | 13.12594 | 0.0 | 0.08249 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 188 | 16.40 | 16.30 | 13.12209 | 0.0 | 0.08247 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 189 | 16.30 | 16.20 | 13.11825 | 0.0 | 0.08244 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 190 | 16.20 | 16.10 | 13.11440 | 0.0 | 0.08242 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 191 | 16.10 | 16.00 | 13.11056 | 0.0 | 0.08239 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 192 | 16.00 | 15.90 | 13.10671 | 0.0 | 0.08237 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 193 | 15.90 | 15.80 | 13.10286 | 0.0 | 0.08235 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 194 | 15.80 | 15.70 | 13.09902 | 0.0 | 0.08232 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 195 | 15.70 | 15.60 | 13.09517 | 0.0 | 0.08230 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 196 | 15.60 | 15.50 | 13.09132 | 0.0 | 0.08227 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 197 | 15.50 | 15.40 | 13.08748 | 0.0 | 0.08225 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 198 | 15.40 | 15.30 | 13.08363 | 0.0 | 0.08222 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 199 | 15.30 | 15.20 | 13.07979 | 0.0 | 0.08220 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 200 | 15.20 | 15.10 | 13.07594 | 0.0 | 0.08218 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 201 | 15.10 | 15.00 | 13.07209 | 0.0 | 0.08215 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 202 | 15.00 | 14.90 | 13.06825 | 0.0 | 0.08213 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 203 | 14.90 | 14.80 | 13.06440 | 0.0 | 0.08210 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 204 | 14.80 | 14.70 | 13.06056 | 0.0 | 0.08208 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 205 | 14.70 | 14.60 | 13.05671 | 0.0 | 0.08206 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 206 | 14.60 | 14.50 | 13.05286 | 0.0 | 0.08203 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 207 | 14.50 | 14.40 | 13.04902 | 0.0 | 0.08201 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 208 | 14.40 | 14.30 | 13.04517 | 0.0 | 0.08198 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 209 | 14.30 | 14.20 | 13.04132 | 0.0 | 0.08196 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 210 | 14.20 | 14.10 | 13.03748 | 0.0 | 0.08193 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 211 | 14.10 | 14.00 | 13.03363 | 0.0 | 0.08191 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |
| 212 | 14.00 | 13.90 | 13.02979 | 0.0 | 0.08189 | 0.01 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.400 | 0.082 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | | 0.73 | | | 827424.00 | 468000.00 | | | | | | |
| AVG | | | | 0.0825 | | | 1.77 | 90.00 | | | 159.12 | | | | |
| CUM | | | | | 1.97 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM | ENDING | SAT | REAER | BOD#1 | BOD#1 | ABOD#1 | BOD#2 | BOD#2 | ABOD#2 | BKGD | FULL | CORR | ORGN | ORGN | NH3 | NH3 | DENIT | PO4 | ALG | MAC | COLI | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | D.O. | RATE | DECAY | SETT | DECAY | DECAY | SETT | DECAY | SOD | SOD | SOD | DECAY | SETT | DECAY | SRCE | RATE | SRCE | PROD | PROD | DECAY | DECAY | SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 161 | 19.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 18.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 18.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 18.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 18.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 18.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 18.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 6.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 18.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 18.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 18.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 18.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 17.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 17.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 17.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 17.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 17.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 17.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 17.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 17.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 17.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 17.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 16.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 16.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 16.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 16.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 16.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 6.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 16.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 16.300 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 16.200 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 16.100 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 16.000 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 15.900 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 15.800 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 15.700 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 15.600 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 15.500 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 15.400 | 7.33 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 15.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 15.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 15.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 15.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 14.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 14.800 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 14.700 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 14.600 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 14.500 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 14.400 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 14.300 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.29 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 209 | 14.200 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 14.100 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 14.000 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 13.900 | 7.33 | 0.59 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | | 0.48 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 19.000 | 31.80 | 0.00 | 0.00 | 0.00 | 5.68 | 21.42 | 0.00 | 21.42 | 0.00 | 1.93 | 0.11 | 0.11 | 2.15 | 0.00 | 79.62 | 0.00 | | 0. | 0.00 |
| 162 | 18.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.73 | 21.38 | 0.00 | 21.38 | 0.00 | 1.93 | 0.11 | 0.11 | 2.14 | 0.00 | 79.23 | 0.00 | | 0. | 0.00 |
| 163 | 18.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.79 | 21.35 | 0.00 | 21.35 | 0.00 | 1.93 | 0.11 | 0.10 | 2.14 | 0.00 | 78.85 | 0.00 | | 0. | 0.00 |
| 164 | 18.700 | 31.80 | 0.00 | 0.00 | 0.00 | 5.84 | 21.31 | 0.00 | 21.31 | 0.00 | 1.92 | 0.11 | 0.10 | 2.13 | 0.00 | 78.46 | 0.00 | | 0. | 0.00 |
| 165 | 18.600 | 31.80 | 0.00 | 0.00 | 0.00 | 5.89 | 21.28 | 0.00 | 21.28 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 78.08 | 0.00 | | 0. | 0.00 |
| 166 | 18.500 | 31.80 | 0.00 | 0.00 | 0.00 | 5.94 | 21.25 | 0.00 | 21.25 | 0.00 | 1.92 | 0.11 | 0.09 | 2.12 | 0.00 | 77.69 | 0.00 | | 0. | 0.00 |
| 167 | 18.400 | 31.80 | 0.00 | 0.00 | 0.00 | 5.99 | 21.21 | 0.00 | 21.21 | 0.00 | 1.92 | 0.11 | 0.09 | 2.11 | 0.00 | 77.31 | 0.00 | | 0. | 0.00 |
| 168 | 18.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.04 | 21.18 | 0.00 | 21.18 | 0.00 | 1.92 | 0.11 | 0.08 | 2.11 | 0.00 | 76.92 | 0.00 | | 0. | 0.00 |
| 169 | 18.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.09 | 21.15 | 0.00 | 21.15 | 0.00 | 1.92 | 0.11 | 0.08 | 2.10 | 0.00 | 76.54 | 0.00 | | 0. | 0.00 |
| 170 | 18.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.14 | 21.11 | 0.00 | 21.11 | 0.00 | 1.92 | 0.11 | 0.07 | 2.10 | 0.00 | 76.15 | 0.00 | | 0. | 0.00 |
| 171 | 18.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.19 | 21.08 | 0.00 | 21.08 | 0.00 | 1.92 | 0.11 | 0.07 | 2.09 | 0.00 | 75.77 | 0.00 | | 0. | 0.00 |
| 172 | 17.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.23 | 21.05 | 0.00 | 21.05 | 0.00 | 1.91 | 0.11 | 0.07 | 2.09 | 0.00 | 75.38 | 0.00 | | 0. | 0.00 |
| 173 | 17.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.28 | 21.01 | 0.00 | 21.01 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 75.00 | 0.00 | | 0. | 0.00 |
| 174 | 17.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.32 | 20.98 | 0.00 | 20.98 | 0.00 | 1.91 | 0.11 | 0.06 | 2.08 | 0.00 | 74.62 | 0.00 | | 0. | 0.00 |
| 175 | 17.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.37 | 20.95 | 0.00 | 20.95 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 74.23 | 0.00 | | 0. | 0.00 |
| 176 | 17.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.41 | 20.91 | 0.00 | 20.91 | 0.00 | 1.91 | 0.11 | 0.05 | 2.07 | 0.00 | 73.85 | 0.00 | | 0. | 0.00 |
| 177 | 17.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.45 | 20.88 | 0.00 | 20.88 | 0.00 | 1.91 | 0.11 | 0.05 | 2.06 | 0.00 | 73.46 | 0.00 | | 0. | 0.00 |
| 178 | 17.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.49 | 20.85 | 0.00 | 20.85 | 0.00 | 1.91 | 0.11 | 0.04 | 2.06 | 0.00 | 73.08 | 0.00 | | 0. | 0.00 |
| 179 | 17.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.53 | 20.82 | 0.00 | 20.82 | 0.00 | 1.91 | 0.11 | 0.04 | 2.05 | 0.00 | 72.69 | 0.00 | | 0. | 0.00 |
| 180 | 17.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.57 | 20.78 | 0.00 | 20.78 | 0.00 | 1.91 | 0.11 | 0.03 | 2.05 | 0.00 | 72.31 | 0.00 | | 0. | 0.00 |
| 181 | 17.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.61 | 20.75 | 0.00 | 20.75 | 0.00 | 1.90 | 0.11 | 0.03 | 2.05 | 0.00 | 71.92 | 0.00 | | 0. | 0.00 |
| 182 | 16.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.65 | 20.72 | 0.00 | 20.72 | 0.00 | 1.90 | 0.11 | 0.03 | 2.04 | 0.00 | 71.54 | 0.00 | | 0. | 0.00 |
| 183 | 16.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.69 | 20.68 | 0.00 | 20.68 | 0.00 | 1.90 | 0.11 | 0.02 | 2.04 | 0.00 | 71.15 | 0.00 | | 0. | 0.00 |
| 184 | 16.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.72 | 20.65 | 0.00 | 20.65 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.77 | 0.00 | | 0. | 0.00 |
| 185 | 16.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.76 | 20.62 | 0.00 | 20.62 | 0.00 | 1.90 | 0.11 | 0.02 | 2.03 | 0.00 | 70.38 | 0.00 | | 0. | 0.00 |
| 186 | 16.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.80 | 20.59 | 0.00 | 20.59 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 70.00 | 0.00 | | 0. | 0.00 |
| 187 | 16.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.83 | 20.55 | 0.00 | 20.55 | 0.00 | 1.90 | 0.11 | 0.01 | 2.02 | 0.00 | 69.62 | 0.00 | | 0. | 0.00 |
| 188 | 16.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.86 | 20.52 | 0.00 | 20.52 | 0.00 | 1.90 | 0.11 | 0.01 | 2.01 | 0.00 | 69.23 | 0.00 | | 0. | 0.00 |
| 189 | 16.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.90 | 20.49 | 0.00 | 20.49 | 0.00 | 1.90 | 0.11 | 0.00 | 2.01 | 0.00 | 68.85 | 0.00 | | 0. | 0.00 |
| 190 | 16.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.93 | 20.46 | 0.00 | 20.46 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.46 | 0.00 | | 0. | 0.00 |
| 191 | 16.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.96 | 20.42 | 0.00 | 20.42 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 68.08 | 0.00 | | 0. | 0.00 |
| 192 | 15.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.99 | 20.39 | 0.00 | 20.39 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.69 | 0.00 | | 0. | 0.00 |
| 193 | 15.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.02 | 20.36 | 0.00 | 20.36 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 67.31 | 0.00 | | 0. | 0.00 |
| 194 | 15.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.05 | 20.33 | 0.00 | 20.33 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.92 | 0.00 | | 0. | 0.00 |
| 195 | 15.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.08 | 20.30 | 0.00 | 20.30 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.54 | 0.00 | | 0. | 0.00 |
| 196 | 15.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.11 | 20.26 | 0.00 | 20.26 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 66.15 | 0.00 | | 0. | 0.00 |
| 197 | 15.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.14 | 20.23 | 0.00 | 20.23 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.77 | 0.00 | | 0. | 0.00 |
| 198 | 15.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.16 | 20.20 | 0.00 | 20.20 | 0.00 | 1.89 | 0.11 | 0.00 | 2.00 | 0.00 | 65.38 | 0.00 | | 0. | 0.00 |
| 199 | 15.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.19 | 20.17 | 0.00 | 20.17 | 0.00 | 1.88 | 0.11 | 0.00 | 2.00 | 0.00 | 65.00 | 0.00 | | 0. | 0.00 |
| 200 | 15.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.21 | 20.14 | 0.00 | 20.14 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.62 | 0.00 | | 0. | 0.00 |
| 201 | 15.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.24 | 20.10 | 0.00 | 20.10 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 64.23 | 0.00 | | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 202 | 14.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.26 | 20.07 | 0.00 | 20.07 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.85 | 0.00 | 0. | 0.00 |
| 203 | 14.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.29 | 20.04 | 0.00 | 20.04 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.46 | 0.00 | 0. | 0.00 |
| 204 | 14.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.31 | 20.01 | 0.00 | 20.01 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 63.08 | 0.00 | 0. | 0.00 |
| 205 | 14.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.33 | 19.98 | 0.00 | 19.98 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.69 | 0.00 | 0. | 0.00 |
| 206 | 14.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 19.95 | 0.00 | 19.95 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 62.31 | 0.00 | 0. | 0.00 |
| 207 | 14.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 19.91 | 0.00 | 19.91 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.92 | 0.00 | 0. | 0.00 |
| 208 | 14.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.39 | 19.88 | 0.00 | 19.88 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 61.54 | 0.00 | 0. | 0.00 |
| 209 | 14.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.41 | 19.85 | 0.00 | 19.85 | 0.00 | 1.87 | 0.11 | 0.00 | 1.99 | 0.00 | 61.15 | 0.00 | 0. | 0.00 |
| 210 | 14.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.43 | 19.82 | 0.00 | 19.82 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.77 | 0.00 | 0. | 0.00 |
| 211 | 14.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.45 | 19.78 | 0.00 | 19.78 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.38 | 0.00 | 0. | 0.00 |
| 212 | 13.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 60.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 4 Turtle Bayou to Carenero Bayou TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | UPR RCH | 13.02979 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 19.66 | 0.00 | 19.66 | 0.00 | 1.87 | 0.11 | 0.00 | 0.00 | 60.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01250 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01750 | | | | | | | | | | | | | | | | |
| 213 | WSTLD | 1.69902 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 3.40 | 0.00 | 3.40 | 0.00 | 2.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 13.90 | 13.80 | 14.72381 | 11.5 | 0.05373 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 214 | 13.80 | 13.70 | 14.71881 | 11.5 | 0.05371 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 215 | 13.70 | 13.60 | 14.71381 | 11.5 | 0.05369 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 216 | 13.60 | 13.50 | 14.70881 | 11.5 | 0.05367 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 217 | 13.50 | 13.40 | 14.70381 | 11.5 | 0.05366 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 218 | 13.40 | 13.30 | 14.69881 | 11.5 | 0.05364 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 219 | 13.30 | 13.20 | 14.69381 | 11.5 | 0.05362 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 220 | 13.20 | 13.10 | 14.68881 | 11.5 | 0.05360 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 221 | 13.10 | 13.00 | 14.68381 | 11.4 | 0.05358 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 222 | 13.00 | 12.90 | 14.67881 | 11.4 | 0.05356 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 223 | 12.90 | 12.80 | 14.67381 | 11.4 | 0.05355 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 224 | 12.80 | 12.70 | 14.66881 | 11.4 | 0.05353 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 225 | 12.70 | 12.60 | 14.66381 | 11.4 | 0.05351 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.054 |
| 226 | 12.60 | 12.50 | 14.65880 | 11.4 | 0.05349 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 227 | 12.50 | 12.40 | 14.65380 | 11.4 | 0.05347 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 228 | 12.40 | 12.30 | 14.64880 | 11.4 | 0.05345 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 229 | 12.30 | 12.20 | 14.64380 | 11.4 | 0.05344 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 230 | 12.20 | 12.10 | 14.63880 | 11.4 | 0.05342 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 231 | 12.10 | 12.00 | 14.63380 | 11.4 | 0.05340 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 232 | 12.00 | 11.90 | 14.62880 | 11.3 | 0.05338 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 233 | 11.90 | 11.80 | 14.62380 | 11.3 | 0.05336 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 234 | 11.80 | 11.70 | 14.61880 | 11.3 | 0.05335 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 235 | 11.70 | 11.60 | 14.61380 | 11.3 | 0.05333 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 236 | 11.60 | 11.50 | 14.60880 | 11.3 | 0.05331 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 237 | 11.50 | 11.40 | 14.60380 | 11.3 | 0.05329 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |
| 238 | 11.40 | 11.30 | 14.59880 | 11.3 | 0.05327 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 239 | 11.30 | 11.20 | 14.59380 | 11.3 | 0.05325 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 240 | 11.20 | 11.10 | 14.58880 | 11.3 | 0.05324 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 241 | 11.10 | 11.00 | 14.58380 | 11.3 | 0.05322 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 242 | 11.00 | 10.90 | 14.57880 | 11.2 | 0.05320 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 243 | 10.90 | 10.80 | 14.57380 | 11.2 | 0.05318 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 244 | 10.80 | 10.70 | 14.56880 | 11.2 | 0.05316 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 245 | 10.70 | 10.60 | 14.56380 | 11.2 | 0.05314 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 246 | 10.60 | 10.50 | 14.55880 | 11.2 | 0.05313 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 247 | 10.50 | 10.40 | 14.55380 | 11.2 | 0.05311 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 248 | 10.40 | 10.30 | 14.54880 | 11.2 | 0.05309 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 249 | 10.30 | 10.20 | 14.54380 | 11.2 | 0.05307 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 250 | 10.20 | 10.10 | 14.53880 | 11.2 | 0.05305 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 251 | 10.10 | 10.00 | 14.53380 | 11.2 | 0.05304 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| 252 | 10.00 | 9.90 | 14.52880 | 11.1 | 0.05302 | 0.02 | 1.77 | 155.00 | 27404.00 | 15500.00 | 274.04 | 0.00 | 0.000 | 0.300 | 0.053 | | | | | | | |
| TOT | | | | 0.87 | | | 1096160.00 | 620000.00 | | | | | | | | | | | | | | |
| AVG | | | 0.0534 | | | 1.77 | 155.00 | | | | 274.04 | | | | | | | | | | | |
| CUM | | | | 2.84 | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 213 | 13.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 214 | 13.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 215 | 13.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 216 | 13.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 217 | 13.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 218 | 13.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 219 | 13.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 220 | 13.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 221 | 13.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 222 | 12.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 223 | 12.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 224 | 12.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.64 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 225 | 12.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 226 | 12.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 227 | 12.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 228 | 12.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 229 | 12.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.43 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 230 | 12.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 231 | 12.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 232 | 11.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 233 | 11.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 234 | 11.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.21 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 235 | 11.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 236 | 11.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 237 | 11.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 238 | 11.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 239 | 11.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 240 | 11.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 241 | 11.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 242 | 10.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 10.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 10.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 10.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 10.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 10.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 10.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 10.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 10.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 10.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 9.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 13.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.22 | 17.83 | 0.00 | 17.83 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.50 | 0.00 | 0. | 0.00 |
| 214 | 13.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.25 | 17.79 | 0.00 | 17.79 | 0.00 | 1.88 | 0.10 | 0.00 | 1.99 | 0.00 | 59.00 | 0.00 | 0. | 0.00 |
| 215 | 13.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.29 | 17.75 | 0.00 | 17.75 | 0.00 | 1.88 | 0.11 | 0.00 | 1.99 | 0.00 | 58.50 | 0.00 | 0. | 0.00 |
| 216 | 13.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.32 | 17.71 | 0.00 | 17.71 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 58.00 | 0.00 | 0. | 0.00 |
| 217 | 13.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 17.67 | 0.00 | 17.67 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.50 | 0.00 | 0. | 0.00 |
| 218 | 13.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 17.63 | 0.00 | 17.63 | 0.00 | 1.88 | 0.11 | 0.00 | 1.98 | 0.00 | 57.00 | 0.00 | 0. | 0.00 |
| 219 | 13.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.40 | 17.59 | 0.00 | 17.59 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.50 | 0.00 | 0. | 0.00 |
| 220 | 13.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.43 | 17.56 | 0.00 | 17.56 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 56.00 | 0.00 | 0. | 0.00 |
| 221 | 13.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.45 | 17.52 | 0.00 | 17.52 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.50 | 0.00 | 0. | 0.00 |
| 222 | 12.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.48 | 17.48 | 0.00 | 17.48 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 55.00 | 0.00 | 0. | 0.00 |
| 223 | 12.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.50 | 17.44 | 0.00 | 17.44 | 0.00 | 1.87 | 0.11 | 0.00 | 1.98 | 0.00 | 54.50 | 0.00 | 0. | 0.00 |
| 224 | 12.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.52 | 17.40 | 0.00 | 17.40 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 54.00 | 0.00 | 0. | 0.00 |
| 225 | 12.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.54 | 17.36 | 0.00 | 17.36 | 0.00 | 1.87 | 0.11 | 0.00 | 1.97 | 0.00 | 53.50 | 0.00 | 0. | 0.00 |
| 226 | 12.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.56 | 17.32 | 0.00 | 17.32 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 227 | 12.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.58 | 17.29 | 0.00 | 17.29 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.50 | 0.00 | 0. | 0.00 |
| 228 | 12.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.59 | 17.25 | 0.00 | 17.25 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 52.00 | 0.00 | 0. | 0.00 |
| 229 | 12.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.61 | 17.21 | 0.00 | 17.21 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.50 | 0.00 | 0. | 0.00 |
| 230 | 12.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.63 | 17.17 | 0.00 | 17.17 | 0.00 | 1.86 | 0.11 | 0.00 | 1.97 | 0.00 | 51.00 | 0.00 | 0. | 0.00 |
| 231 | 12.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.64 | 17.13 | 0.00 | 17.13 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.50 | 0.00 | 0. | 0.00 |
| 232 | 11.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.65 | 17.09 | 0.00 | 17.09 | 0.00 | 1.86 | 0.11 | 0.00 | 1.96 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 233 | 11.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.67 | 17.06 | 0.00 | 17.06 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.50 | 0.00 | 0. | 0.00 |
| 234 | 11.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.68 | 17.02 | 0.00 | 17.02 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 49.00 | 0.00 | 0. | 0.00 |
| 235 | 11.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.69 | 16.98 | 0.00 | 16.98 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.50 | 0.00 | 0. | 0.00 |
| 236 | 11.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.94 | 0.00 | 16.94 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 48.00 | 0.00 | 0. | 0.00 |
| 237 | 11.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.91 | 0.00 | 16.91 | 0.00 | 1.85 | 0.11 | 0.00 | 1.96 | 0.00 | 47.50 | 0.00 | 0. | 0.00 |
| 238 | 11.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.87 | 0.00 | 16.87 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 47.00 | 0.00 | 0. | 0.00 |
| 239 | 11.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.83 | 0.00 | 16.83 | 0.00 | 1.85 | 0.11 | 0.00 | 1.95 | 0.00 | 46.50 | 0.00 | 0. | 0.00 |
| 240 | 11.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.79 | 0.00 | 16.79 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 46.00 | 0.00 | 0. | 0.00 |
| 241 | 11.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.76 | 0.00 | 16.76 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.50 | 0.00 | 0. | 0.00 |
| 242 | 10.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.72 | 0.00 | 16.72 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 45.00 | 0.00 | 0. | 0.00 |
| 243 | 10.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.68 | 0.00 | 16.68 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.50 | 0.00 | 0. | 0.00 |
| 244 | 10.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.65 | 0.00 | 16.65 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 44.00 | 0.00 | 0. | 0.00 |
| 245 | 10.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.74 | 16.61 | 0.00 | 16.61 | 0.00 | 1.84 | 0.11 | 0.00 | 1.95 | 0.00 | 43.50 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 246 | 10.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.74 | 16.57 | 0.00 | 16.57 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 43.00 | 0.00 | 0. | 0.00 |
| 247 | 10.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.54 | 0.00 | 16.54 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.50 | 0.00 | 0. | 0.00 |
| 248 | 10.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.50 | 0.00 | 16.50 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 42.00 | 0.00 | 0. | 0.00 |
| 249 | 10.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.46 | 0.00 | 16.46 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.50 | 0.00 | 0. | 0.00 |
| 250 | 10.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.73 | 16.43 | 0.00 | 16.43 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 41.00 | 0.00 | 0. | 0.00 |
| 251 | 10.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.39 | 0.00 | 16.39 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.50 | 0.00 | 0. | 0.00 |
| 252 | 9.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 1.94 | 0.00 | 40.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 5 Carenero Bayou to un canal 2 TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | UPR RCH | 14.52880 | 31.80 | 0.00 | 0.00 | 0.00 | 7.72 | 16.36 | 0.00 | 16.36 | 0.00 | 1.83 | 0.11 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00794 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.01111 | | | | | | | | | | | | | | | | |
| 253 | WSTLD | -9.21150 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 0.00 | 39.75 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | PRISM m³ | VELO m/s | TIDAL VELO m²/s | TIDAL m/s | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 9.90 | 9.80 | 5.31413 | 11.1 | 0.03340 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 254 | 9.80 | 9.70 | 5.31095 | 11.1 | 0.03338 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 255 | 9.70 | 9.60 | 5.30778 | 11.1 | 0.03336 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 256 | 9.60 | 9.50 | 5.30460 | 11.1 | 0.03334 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 257 | 9.50 | 9.40 | 5.30143 | 11.1 | 0.03332 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 258 | 9.40 | 9.30 | 5.29825 | 11.1 | 0.03330 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 259 | 9.30 | 9.20 | 5.29508 | 11.0 | 0.03328 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 260 | 9.20 | 9.10 | 5.29190 | 11.0 | 0.03326 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 261 | 9.10 | 9.00 | 5.28873 | 11.0 | 0.03324 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 262 | 9.00 | 8.90 | 5.28555 | 11.0 | 0.03322 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 263 | 8.90 | 8.80 | 5.28238 | 11.0 | 0.03320 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 264 | 8.80 | 8.70 | 5.27920 | 11.0 | 0.03318 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 265 | 8.70 | 8.60 | 5.27603 | 10.9 | 0.03316 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 266 | 8.60 | 8.50 | 5.27285 | 10.9 | 0.03314 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 267 | 8.50 | 8.40 | 5.26968 | 10.9 | 0.03312 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 268 | 8.40 | 8.30 | 5.26651 | 10.9 | 0.03310 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 269 | 8.30 | 8.20 | 5.26333 | 10.9 | 0.03308 | 0.03 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 270 | 8.20 | 8.10 | 5.26016 | 10.9 | 0.03306 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 271 | 8.10 | 8.00 | 5.25698 | 10.8 | 0.03304 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 272 | 8.00 | 7.90 | 5.25381 | 10.8 | 0.03302 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 273 | 7.90 | 7.80 | 5.25063 | 10.8 | 0.03300 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 274 | 7.80 | 7.70 | 5.24746 | 10.8 | 0.03298 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 275 | 7.70 | 7.60 | 5.24428 | 10.8 | 0.03296 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 276 | 7.60 | 7.50 | 5.24111 | 10.8 | 0.03294 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 277 | 7.50 | 7.40 | 5.23793 | 10.7 | 0.03292 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 278 | 7.40 | 7.30 | 5.23476 | 10.7 | 0.03290 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 279 | 7.30 | 7.20 | 5.23158 | 10.7 | 0.03288 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 280 | 7.20 | 7.10 | 5.22841 | 10.7 | 0.03286 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 281 | 7.10 | 7.00 | 5.22523 | 10.7 | 0.03284 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |
| 282 | 7.00 | 6.90 | 5.22206 | 10.7 | 0.03282 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 283 | 6.90 | 6.80 | 5.21888 | 10.6 | 0.03280 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 284 | 6.80 | 6.70 | 5.21571 | 10.6 | 0.03278 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 285 | 6.70 | 6.60 | 5.21253 | 10.6 | 0.03276 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 286 | 6.60 | 6.50 | 5.20936 | 10.6 | 0.03274 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 287 | 6.50 | 6.40 | 5.20618 | 10.6 | 0.03272 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 288 | 6.40 | 6.30 | 5.20301 | 10.6 | 0.03270 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 289 | 6.30 | 6.20 | 5.19983 | 10.6 | 0.03268 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 290 | 6.20 | 6.10 | 5.19666 | 10.5 | 0.03266 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 291 | 6.10 | 6.00 | 5.19349 | 10.5 | 0.03264 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 292 | 6.00 | 5.90 | 5.19031 | 10.5 | 0.03262 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 293 | 5.90 | 5.80 | 5.18714 | 10.5 | 0.03260 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 294 | 5.80 | 5.70 | 5.18396 | 10.5 | 0.03258 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 295 | 5.70 | 5.60 | 5.18079 | 10.5 | 0.03256 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 296 | 5.60 | 5.50 | 5.17761 | 10.4 | 0.03254 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 297 | 5.50 | 5.40 | 5.17444 | 10.4 | 0.03252 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.033 |
| 298 | 5.40 | 5.30 | 5.17126 | 10.4 | 0.03250 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 299 | 5.30 | 5.20 | 5.16809 | 10.4 | 0.03248 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 300 | 5.20 | 5.10 | 5.16491 | 10.4 | 0.03246 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 301 | 5.10 | 5.00 | 5.16174 | 10.4 | 0.03244 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 302 | 5.00 | 4.90 | 5.15856 | 10.3 | 0.03242 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 303 | 4.90 | 4.80 | 5.15539 | 10.3 | 0.03240 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 304 | 4.80 | 4.70 | 5.15221 | 10.3 | 0.03238 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 305 | 4.70 | 4.60 | 5.14904 | 10.3 | 0.03236 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 306 | 4.60 | 4.50 | 5.14586 | 10.3 | 0.03234 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 307 | 4.50 | 4.40 | 5.14269 | 10.3 | 0.03232 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 308 | 4.40 | 4.30 | 5.13951 | 10.3 | 0.03230 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 309 | 4.30 | 4.20 | 5.13634 | 10.2 | 0.03228 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 310 | 4.20 | 4.10 | 5.13316 | 10.2 | 0.03226 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 311 | 4.10 | 4.00 | 5.12999 | 10.2 | 0.03224 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 312 | 4.00 | 3.90 | 5.12681 | 10.2 | 0.03222 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 313 | 3.90 | 3.80 | 5.12364 | 10.2 | 0.03220 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 314 | 3.80 | 3.70 | 5.12047 | 10.2 | 0.03218 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| 315 | 3.70 | 3.60 | 5.11729 | 10.1 | 0.03216 | 0.04 | 1.77 | 90.00 | 15912.00 | 9000.00 | 159.12 | 0.00 | 0.000 | 0.300 | 0.032 |
| TOT | | | | | 2.22 | | | 1002456.00 | 567000.00 | | | | | | |
| AVG | | | | 0.0328 | | | 1.77 | 90.00 | | | 159.12 | | | | |
| CUM | | | | | 5.07 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 * | BKGD SOD 1/da | FULL SOD 1/da | CORR SOD * | ORGN DECAY 1/da | ORGN SETT 1/da | NH3 DECAY 1/da | NH3 SRCE * | DENIT RATE ** | PO4 SRCE ** | ALG PROD 1/da | MAC PROD 1/da | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 9.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 9.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 9.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 9.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 9.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 9.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 9.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 9.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 9.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 8.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 263 | 8.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 8.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 8.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 8.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 8.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 8.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 8.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 8.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 8.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 7.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 7.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 7.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 7.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 7.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 7.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 7.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 7.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 7.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 7.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 6.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 6.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 6.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 6.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 6.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 6.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 6.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 6.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 6.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 6.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 5.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 5.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 5.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 5.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 5.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 5.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 5.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 5.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 5.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 5.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 4.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 4.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 4.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 4.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 4.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 4.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 4.300 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 4.200 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 4.100 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 4.000 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 3.900 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 313 | 3.800 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 3.700 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 3.600 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 253 | 9.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.33 | 0.00 | 16.33 | 0.00 | 1.83 | 0.11 | 0.00 | 1.93 | 0.00 | 39.75 | 0.00 | 0. | 0.00 | |
| 254 | 9.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.71 | 16.28 | 0.00 | 16.28 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.49 | 0.00 | 0. | 0.00 | |
| 255 | 9.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.70 | 16.22 | 0.00 | 16.22 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 39.24 | 0.00 | 0. | 0.00 | |
| 256 | 9.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.69 | 16.16 | 0.00 | 16.16 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.98 | 0.00 | 0. | 0.00 | |
| 257 | 9.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.67 | 16.10 | 0.00 | 16.10 | 0.00 | 1.82 | 0.11 | 0.00 | 1.93 | 0.00 | 38.73 | 0.00 | 0. | 0.00 | |
| 258 | 9.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.66 | 16.05 | 0.00 | 16.05 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.48 | 0.00 | 0. | 0.00 | |
| 259 | 9.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.65 | 15.99 | 0.00 | 15.99 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 38.22 | 0.00 | 0. | 0.00 | |
| 260 | 9.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.64 | 15.93 | 0.00 | 15.93 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.97 | 0.00 | 0. | 0.00 | |
| 261 | 9.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.63 | 15.88 | 0.00 | 15.88 | 0.00 | 1.81 | 0.11 | 0.00 | 1.92 | 0.00 | 37.71 | 0.00 | 0. | 0.00 | |
| 262 | 8.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.62 | 15.82 | 0.00 | 15.82 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.46 | 0.00 | 0. | 0.00 | |
| 263 | 8.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.60 | 15.77 | 0.00 | 15.77 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 37.21 | 0.00 | 0. | 0.00 | |
| 264 | 8.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.59 | 15.71 | 0.00 | 15.71 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.95 | 0.00 | 0. | 0.00 | |
| 265 | 8.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.58 | 15.65 | 0.00 | 15.65 | 0.00 | 1.80 | 0.11 | 0.00 | 1.91 | 0.00 | 36.70 | 0.00 | 0. | 0.00 | |
| 266 | 8.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.56 | 15.60 | 0.00 | 15.60 | 0.00 | 1.79 | 0.11 | 0.00 | 1.91 | 0.00 | 36.44 | 0.00 | 0. | 0.00 | |
| 267 | 8.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.55 | 15.54 | 0.00 | 15.54 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 36.19 | 0.00 | 0. | 0.00 | |
| 268 | 8.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.53 | 15.49 | 0.00 | 15.49 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.94 | 0.00 | 0. | 0.00 | |
| 269 | 8.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.52 | 15.44 | 0.00 | 15.44 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.68 | 0.00 | 0. | 0.00 | |
| 270 | 8.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.50 | 15.38 | 0.00 | 15.38 | 0.00 | 1.79 | 0.11 | 0.00 | 1.90 | 0.00 | 35.43 | 0.00 | 0. | 0.00 | |
| 271 | 8.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.49 | 15.33 | 0.00 | 15.33 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 35.17 | 0.00 | 0. | 0.00 | |
| 272 | 7.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.47 | 15.27 | 0.00 | 15.27 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.92 | 0.00 | 0. | 0.00 | |
| 273 | 7.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.46 | 15.22 | 0.00 | 15.22 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.67 | 0.00 | 0. | 0.00 | |
| 274 | 7.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.44 | 15.17 | 0.00 | 15.17 | 0.00 | 1.78 | 0.11 | 0.00 | 1.89 | 0.00 | 34.41 | 0.00 | 0. | 0.00 | |
| 275 | 7.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.42 | 15.11 | 0.00 | 15.11 | 0.00 | 1.77 | 0.11 | 0.00 | 1.89 | 0.00 | 34.16 | 0.00 | 0. | 0.00 | |
| 276 | 7.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.40 | 15.06 | 0.00 | 15.06 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.90 | 0.00 | 0. | 0.00 | |
| 277 | 7.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.39 | 15.01 | 0.00 | 15.01 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.65 | 0.00 | 0. | 0.00 | |
| 278 | 7.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.37 | 14.95 | 0.00 | 14.95 | 0.00 | 1.77 | 0.11 | 0.00 | 1.88 | 0.00 | 33.40 | 0.00 | 0. | 0.00 | |
| 279 | 7.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.35 | 14.90 | 0.00 | 14.90 | 0.00 | 1.76 | 0.11 | 0.00 | 1.88 | 0.00 | 33.14 | 0.00 | 0. | 0.00 | |
| 280 | 7.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.33 | 14.85 | 0.00 | 14.85 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.89 | 0.00 | 0. | 0.00 | |
| 281 | 7.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.31 | 14.80 | 0.00 | 14.80 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.63 | 0.00 | 0. | 0.00 | |
| 282 | 6.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.30 | 14.74 | 0.00 | 14.74 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.38 | 0.00 | 0. | 0.00 | |
| 283 | 6.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.28 | 14.69 | 0.00 | 14.69 | 0.00 | 1.76 | 0.11 | 0.00 | 1.87 | 0.00 | 32.13 | 0.00 | 0. | 0.00 | |
| 284 | 6.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.26 | 14.64 | 0.00 | 14.64 | 0.00 | 1.75 | 0.11 | 0.00 | 1.87 | 0.00 | 31.87 | 0.00 | 0. | 0.00 | |
| 285 | 6.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.24 | 14.59 | 0.00 | 14.59 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.62 | 0.00 | 0. | 0.00 | |
| 286 | 6.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.22 | 14.54 | 0.00 | 14.54 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.37 | 0.00 | 0. | 0.00 | |
| 287 | 6.400 | 31.80 | 0.00 | 0.00 | 0.00 | 7.20 | 14.49 | 0.00 | 14.49 | 0.00 | 1.75 | 0.11 | 0.00 | 1.86 | 0.00 | 31.11 | 0.00 | 0. | 0.00 | |
| 288 | 6.300 | 31.80 | 0.00 | 0.00 | 0.00 | 7.18 | 14.44 | 0.00 | 14.44 | 0.00 | 1.74 | 0.11 | 0.00 | 1.86 | 0.00 | 30.86 | 0.00 | 0. | 0.00 | |
| 289 | 6.200 | 31.80 | 0.00 | 0.00 | 0.00 | 7.16 | 14.39 | 0.00 | 14.39 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.60 | 0.00 | 0. | 0.00 | |
| 290 | 6.100 | 31.80 | 0.00 | 0.00 | 0.00 | 7.14 | 14.34 | 0.00 | 14.34 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.35 | 0.00 | 0. | 0.00 | |
| 291 | 6.000 | 31.80 | 0.00 | 0.00 | 0.00 | 7.11 | 14.29 | 0.00 | 14.29 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 30.10 | 0.00 | 0. | 0.00 | |
| 292 | 5.900 | 31.80 | 0.00 | 0.00 | 0.00 | 7.09 | 14.24 | 0.00 | 14.24 | 0.00 | 1.74 | 0.11 | 0.00 | 1.85 | 0.00 | 29.84 | 0.00 | 0. | 0.00 | |
| 293 | 5.800 | 31.80 | 0.00 | 0.00 | 0.00 | 7.07 | 14.19 | 0.00 | 14.19 | 0.00 | 1.73 | 0.11 | 0.00 | 1.85 | 0.00 | 29.59 | 0.00 | 0. | 0.00 | |
| 294 | 5.700 | 31.80 | 0.00 | 0.00 | 0.00 | 7.05 | 14.14 | 0.00 | 14.14 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.33 | 0.00 | 0. | 0.00 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295 | 5.600 | 31.80 | 0.00 | 0.00 | 0.00 | 7.03 | 14.09 | 0.00 | 14.09 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 29.08 | 0.00 | 0. | 0.00 |
| 296 | 5.500 | 31.80 | 0.00 | 0.00 | 0.00 | 7.01 | 14.04 | 0.00 | 14.04 | 0.00 | 1.73 | 0.11 | 0.00 | 1.84 | 0.00 | 28.83 | 0.00 | 0. | 0.00 |
| 297 | 5.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.98 | 13.99 | 0.00 | 13.99 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.57 | 0.00 | 0. | 0.00 |
| 298 | 5.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.96 | 13.94 | 0.00 | 13.94 | 0.00 | 1.72 | 0.11 | 0.00 | 1.84 | 0.00 | 28.32 | 0.00 | 0. | 0.00 |
| 299 | 5.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.94 | 13.89 | 0.00 | 13.89 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 28.06 | 0.00 | 0. | 0.00 |
| 300 | 5.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.92 | 13.85 | 0.00 | 13.85 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.81 | 0.00 | 0. | 0.00 |
| 301 | 5.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.89 | 13.80 | 0.00 | 13.80 | 0.00 | 1.72 | 0.11 | 0.00 | 1.83 | 0.00 | 27.56 | 0.00 | 0. | 0.00 |
| 302 | 4.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.87 | 13.75 | 0.00 | 13.75 | 0.00 | 1.71 | 0.11 | 0.00 | 1.83 | 0.00 | 27.30 | 0.00 | 0. | 0.00 |
| 303 | 4.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.85 | 13.70 | 0.00 | 13.70 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 27.05 | 0.00 | 0. | 0.00 |
| 304 | 4.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.82 | 13.65 | 0.00 | 13.65 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.79 | 0.00 | 0. | 0.00 |
| 305 | 4.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.80 | 13.61 | 0.00 | 13.61 | 0.00 | 1.71 | 0.11 | 0.00 | 1.82 | 0.00 | 26.54 | 0.00 | 0. | 0.00 |
| 306 | 4.500 | 31.80 | 0.00 | 0.00 | 0.00 | 6.77 | 13.56 | 0.00 | 13.56 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.29 | 0.00 | 0. | 0.00 |
| 307 | 4.400 | 31.80 | 0.00 | 0.00 | 0.00 | 6.75 | 13.51 | 0.00 | 13.51 | 0.00 | 1.70 | 0.11 | 0.00 | 1.82 | 0.00 | 26.03 | 0.00 | 0. | 0.00 |
| 308 | 4.300 | 31.80 | 0.00 | 0.00 | 0.00 | 6.72 | 13.47 | 0.00 | 13.47 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.78 | 0.00 | 0. | 0.00 |
| 309 | 4.200 | 31.80 | 0.00 | 0.00 | 0.00 | 6.70 | 13.42 | 0.00 | 13.42 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.52 | 0.00 | 0. | 0.00 |
| 310 | 4.100 | 31.80 | 0.00 | 0.00 | 0.00 | 6.67 | 13.37 | 0.00 | 13.37 | 0.00 | 1.70 | 0.11 | 0.00 | 1.81 | 0.00 | 25.27 | 0.00 | 0. | 0.00 |
| 311 | 4.000 | 31.80 | 0.00 | 0.00 | 0.00 | 6.65 | 13.33 | 0.00 | 13.33 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 25.02 | 0.00 | 0. | 0.00 |
| 312 | 3.900 | 31.80 | 0.00 | 0.00 | 0.00 | 6.62 | 13.28 | 0.00 | 13.28 | 0.00 | 1.69 | 0.11 | 0.00 | 1.81 | 0.00 | 24.76 | 0.00 | 0. | 0.00 |
| 313 | 3.800 | 31.80 | 0.00 | 0.00 | 0.00 | 6.60 | 13.23 | 0.00 | 13.23 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.51 | 0.00 | 0. | 0.00 |
| 314 | 3.700 | 31.80 | 0.00 | 0.00 | 0.00 | 6.57 | 13.19 | 0.00 | 13.19 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.25 | 0.00 | 0. | 0.00 |
| 315 | 3.600 | 31.80 | 0.00 | 0.00 | 0.00 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 1.80 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 6 un canal 2 to Corasaw conf. TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 #/100mL | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | UPR RCH | 5.11729 | 31.80 | 0.00 | 0.00 | 0.00 | 6.55 | 13.14 | 0.00 | 13.14 | 0.00 | 1.69 | 0.11 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01667 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.02333 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | VOLUME PRISM m³ | TIDAL VELO m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 3.60 | 3.50 | 5.11062 | 10.1 | 0.02628 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 317 | 3.50 | 3.40 | 5.10396 | 10.1 | 0.02624 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 318 | 3.40 | 3.30 | 5.09729 | 10.0 | 0.02621 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 319 | 3.30 | 3.20 | 5.09062 | 10.0 | 0.02618 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 320 | 3.20 | 3.10 | 5.08396 | 10.0 | 0.02614 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 321 | 3.10 | 3.00 | 5.07729 | 9.9 | 0.02611 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 322 | 3.00 | 2.90 | 5.07062 | 9.9 | 0.02607 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 323 | 2.90 | 2.80 | 5.06396 | 9.9 | 0.02604 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 324 | 2.80 | 2.70 | 5.05729 | 9.8 | 0.02600 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 325 | 2.70 | 2.60 | 5.05062 | 9.8 | 0.02597 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 326 | 2.60 | 2.50 | 5.04396 | 9.8 | 0.02594 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 327 | 2.50 | 2.40 | 5.03729 | 9.7 | 0.02590 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 328 | 2.40 | 2.30 | 5.03062 | 9.7 | 0.02587 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 329 | 2.30 | 2.20 | 5.02396 | 9.7 | 0.02583 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 330 | 2.20 | 2.10 | 5.01729 | 9.7 | 0.02580 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 331 | 2.10 | 2.00 | 5.01062 | 9.6 | 0.02576 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |
| 332 | 2.00 | 1.90 | 5.00396 | 9.6 | 0.02573 | 0.04 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 333 | 1.90 | 1.80 | 4.99729 | 9.6 | 0.02570 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 334 | 1.80 | 1.70 | 4.99062 | 9.5 | 0.02566 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 335 | 1.70 | 1.60 | 4.98396 | 9.5 | 0.02563 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 336 | 1.60 | 1.50 | 4.97729 | 9.5 | 0.02559 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 337 | 1.50 | 1.40 | 4.97062 | 9.4 | 0.02556 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 338 | 1.40 | 1.30 | 4.96396 | 9.4 | 0.02552 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.026 |
| 339 | 1.30 | 1.20 | 4.95729 | 9.4 | 0.02549 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 340 | 1.20 | 1.10 | 4.95062 | 9.3 | 0.02546 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 341 | 1.10 | 1.00 | 4.94396 | 9.3 | 0.02542 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 342 | 1.00 | 0.90 | 4.93729 | 9.3 | 0.02539 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 343 | 0.90 | 0.80 | 4.93062 | 9.2 | 0.02535 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 344 | 0.80 | 0.70 | 4.92396 | 9.2 | 0.02532 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| 345 | 0.70 | 0.60 | 4.91729 | 9.2 | 0.02528 | 0.05 | 1.77 | 110.00 | 19448.00 | 11000.00 | 194.48 | 0.00 | 0.000 | 0.400 | 0.025 |
| TOT | | | | | 1.35 | | | 583440.00 | 330000.00 | | | | | | |
| AVG | | | | 0.0258 | | | 1.77 | 110.00 | | | 194.48 | | | | |
| CUM | | | | | 6.41 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | SRCE 1/da | NH3 RATE 1/da | NH3 SRCE 1/da | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 3.500 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 317 | 3.400 | 7.33 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 318 | 3.300 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 319 | 3.200 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 320 | 3.100 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 321 | 3.000 | 7.32 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 322 | 2.900 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 323 | 2.800 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 324 | 2.700 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 325 | 2.600 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 326 | 2.500 | 7.31 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 327 | 2.400 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 328 | 2.300 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 329 | 2.200 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 330 | 2.100 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 331 | 2.000 | 7.30 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 332 | 1.900 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 333 | 1.800 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 334 | 1.700 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 335 | 1.600 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 336 | 1.500 | 7.29 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 3.22 | 3.22 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 337 | 1.400 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 338 | 1.300 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 339 | 1.200 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 340 | 1.100 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 341 | 1.000 | 7.28 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 342 | 0.900 | 7.27 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 343 | 0.800 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 344 | 0.700 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 345 | 0.600 | 7.27 | 0.50 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | | |

AVG 20 DEG C RATE 0.40 0.05 0.00 0.00 0.00 0.00 0.00 1.50 0.02 0.00 0.15 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 3.500 | 31.82 | 0.00 | 0.00 | 0.00 | 6.51 | 13.08 | 0.00 | 13.08 | 0.00 | 1.68 | 0.11 | 0.00 | 1.80 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 317 | 3.400 | 31.83 | 0.00 | 0.00 | 0.00 | 6.48 | 13.02 | 0.00 | 13.02 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 318 | 3.300 | 31.85 | 0.00 | 0.00 | 0.00 | 6.45 | 12.96 | 0.00 | 12.96 | 0.00 | 1.68 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 319 | 3.200 | 31.87 | 0.00 | 0.00 | 0.00 | 6.42 | 12.90 | 0.00 | 12.90 | 0.00 | 1.67 | 0.11 | 0.00 | 1.79 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 320 | 3.100 | 31.88 | 0.00 | 0.00 | 0.00 | 6.39 | 12.84 | 0.00 | 12.84 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 321 | 3.000 | 31.90 | 0.00 | 0.00 | 0.00 | 6.36 | 12.79 | 0.00 | 12.79 | 0.00 | 1.67 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 322 | 2.900 | 31.92 | 0.00 | 0.00 | 0.00 | 6.34 | 12.73 | 0.00 | 12.73 | 0.00 | 1.66 | 0.11 | 0.00 | 1.78 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 323 | 2.800 | 31.93 | 0.00 | 0.00 | 0.00 | 6.31 | 12.67 | 0.00 | 12.67 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 324 | 2.700 | 31.95 | 0.00 | 0.00 | 0.00 | 6.28 | 12.61 | 0.00 | 12.61 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 325 | 2.600 | 31.97 | 0.00 | 0.00 | 0.00 | 6.26 | 12.56 | 0.00 | 12.56 | 0.00 | 1.65 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 326 | 2.500 | 31.98 | 0.00 | 0.00 | 0.00 | 6.23 | 12.50 | 0.00 | 12.50 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 327 | 2.400 | 32.00 | 0.00 | 0.00 | 0.00 | 6.21 | 12.44 | 0.00 | 12.44 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 328 | 2.300 | 32.02 | 0.00 | 0.00 | 0.00 | 6.19 | 12.39 | 0.00 | 12.39 | 0.00 | 1.65 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 329 | 2.200 | 32.03 | 0.00 | 0.00 | 0.00 | 6.16 | 12.33 | 0.00 | 12.33 | 0.00 | 1.64 | 0.11 | 0.00 | 1.76 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 330 | 2.100 | 32.05 | 0.00 | 0.00 | 0.00 | 6.14 | 12.28 | 0.00 | 12.28 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 331 | 2.000 | 32.07 | 0.00 | 0.00 | 0.00 | 6.12 | 12.22 | 0.00 | 12.22 | 0.00 | 1.64 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 332 | 1.900 | 32.08 | 0.00 | 0.00 | 0.00 | 6.10 | 12.17 | 0.00 | 12.17 | 0.00 | 1.63 | 0.11 | 0.00 | 1.75 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 333 | 1.800 | 32.10 | 0.00 | 0.00 | 0.00 | 6.08 | 12.11 | 0.00 | 12.11 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 334 | 1.700 | 32.12 | 0.00 | 0.00 | 0.00 | 6.06 | 12.06 | 0.00 | 12.06 | 0.00 | 1.63 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 335 | 1.600 | 32.13 | 0.00 | 0.00 | 0.00 | 6.04 | 12.01 | 0.00 | 12.01 | 0.00 | 1.62 | 0.11 | 0.00 | 1.74 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 336 | 1.500 | 32.15 | 0.00 | 0.00 | 0.00 | 6.02 | 11.95 | 0.00 | 11.95 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 337 | 1.400 | 32.17 | 0.00 | 0.00 | 0.00 | 6.01 | 11.90 | 0.00 | 11.90 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 338 | 1.300 | 32.18 | 0.00 | 0.00 | 0.00 | 5.99 | 11.85 | 0.00 | 11.85 | 0.00 | 1.62 | 0.11 | 0.00 | 1.73 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 339 | 1.200 | 32.20 | 0.00 | 0.00 | 0.00 | 5.97 | 11.79 | 0.00 | 11.79 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 340 | 1.100 | 32.22 | 0.00 | 0.00 | 0.00 | 5.96 | 11.74 | 0.00 | 11.74 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 341 | 1.000 | 32.23 | 0.00 | 0.00 | 0.00 | 5.94 | 11.69 | 0.00 | 11.69 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 342 | 0.900 | 32.25 | 0.00 | 0.00 | 0.00 | 5.93 | 11.63 | 0.00 | 11.63 | 0.00 | 1.60 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 343 | 0.800 | 32.27 | 0.00 | 0.00 | 0.00 | 5.91 | 11.58 | 0.00 | 11.58 | 0.00 | 1.60 | 0.11 | 0.00 | 1.71 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 344 | 0.700 | 32.28 | 0.00 | 0.00 | 0.00 | 5.90 | 11.49 | 0.00 | 11.49 | 0.00 | 1.61 | 0.11 | 0.00 | 1.72 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 345 | 0.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 1.77 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Chene LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 17 Corasaw conf. to 120401-C TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | UPR RCH | 4.91729 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 11.20 | 0.00 | 11.20 | 0.00 | 1.66 | 0.11 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 526 | TRIB | 5.35654 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 6.98 | 0.00 | 6.98 | 0.00 | 2.59 | 0.14 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 526 | 0.60 | 0.50 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 527 | 0.50 | 0.40 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 528 | 0.40 | 0.30 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |
| 529 | 0.30 | 0.20 | 10.27383 | 28.2 | 0.08327 | 0.01 | 1.40 | 88.00 | 12337.60 | 8800.00 | 123.38 | 0.00 | 0.000 | 0.500 | 0.083 |

```
 530   0.20   0.10  10.27383  28.2  0.08327    0.01   1.40  88.00  12337.60   8800.00  123.38     0.00  0.000    0.500  0.083
 531   0.10   0.00  10.27383  28.2  0.08327    0.01   1.40  88.00  12337.60   8800.00  123.38     0.00  0.000    0.500  0.083
 TOT                                   0.08              74025.60  52800.00
 AVG                          0.0833          1.40  88.00                 123.38
 CUM                                   6.50
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI  NCM   NCM
NO.    DIST  D.O.   RATE  DECAY SETT DECAY DECAY SETT DECAY  SOD  SOD  SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da 1/da  1/da  1/da 1/da  1/da   *    *    *   1/da 1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
526   0.500 7.27   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.25 3.25 3.25  0.03 0.00  0.38 0.00  0.00 0.00 2.11 0.00  0.00  0.00  0.00
527   0.400 7.27   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.25 3.25 3.25  0.03 0.00  0.38 0.00  0.00 0.00 2.11 0.00  0.00  0.00  0.00
528   0.300 7.27   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.24 3.24 3.24  0.03 0.00  0.38 0.00  0.00 0.00 2.11 0.00  0.00  0.00  0.00
529   0.200 7.28   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.24 3.24 3.24  0.03 0.00  0.38 0.00  0.00 0.00 2.10 0.00  0.00  0.00  0.00
530   0.100 7.28   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.24 3.24 3.24  0.03 0.00  0.38 0.00  0.00 0.00 2.10 0.00  0.00  0.00  0.00
531   0.000 7.28   0.85   0.09 0.00  0.00  0.00 0.00  0.00 3.23 3.23 3.23  0.03 0.00  0.38 0.00  0.00 0.00 2.10 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.68   0.05 0.00  0.00  0.00 0.00  0.00 1.50            0.02 0.00  0.15 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING   TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C   PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
526   0.500  32.28 0.00    0.00    0.00  6.15  9.10  0.00  9.10  0.00  2.12  0.13  0.00  2.24  0.00 24.00   0.00      0.   0.00
527   0.400  32.27 0.00    0.00    0.00  6.15  9.09  0.00  9.09  0.00  2.12  0.13  0.00  2.24  0.00 24.00   0.00      0.   0.00
528   0.300  32.25 0.00    0.00    0.00  6.14  9.08  0.00  9.08  0.00  2.12  0.13  0.00  2.24  0.00 24.00   0.00      0.   0.00
529   0.200  32.23 0.00    0.00    0.00  6.14  9.07  0.00  9.07  0.00  2.12  0.13  0.00  2.24  0.00 24.00   0.00      0.   0.00
530   0.100  32.22 0.00    0.00    0.00  6.14  9.02  0.00  9.02  0.00  2.10  0.13  0.00  2.23  0.00 24.00   0.00      0.   0.00
531   0.000  32.20 0.00    0.00    0.00  6.13  8.31  0.00  8.31  0.00  1.89  0.12  0.00  2.01  0.00 24.00   0.00      0.   0.00
STREAM SUMMARY                                    LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Bayou Chene                                  TMDL Simulation for Lake Penchant and Bayou Penchant mode
 TRAVEL TIME      =          6.50 DAYS
 MAXIMUM EFFLUENT  =         28.22 PERCENT
 FLOW            =  4.91729 TO   17.38058   m³/s
 DISPERSION       =  0.3000  TO    0.6000    m²/s
 VELOCITY         =  0.02528 TO    0.15623   m/s
 DEPTH           =  1.00    TO    1.77      m
 WIDTH           =  88.00    TO  155.00      m
 BOD DECAY        =    0.09   TO    0.21      per day
 NH3 DECAY        =    0.35   TO    0.38      per day
 SOD             =   3.15   TO    5.68      g/m²/d
 NH3 SOURCE       =    0.00   TO    0.00      g/m²/d
 REAERATION       =    0.49   TO    1.93      per day
 BOD SETTLING     =    0.00   TO    0.00      per day
 ORG-N DECAY      =    0.02   TO    0.03      per day
 ORG-N SETTLING   =    0.00   TO    0.00      per day
 TEMPERATURE      =   31.22   TO   32.30      deg C
 DISSOLVED OXYGEN =    5.63   TO    7.74      mg/L
FINAL REPORT    Station 935                       LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO.  7     935 to Peoples Canal and L.P                TMDL Simulation for Lake Penchant and Bayou Penchant mode
********************************************************** REACH INPUTS ************************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.                deg C     ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
```

346 HDWTR 0.03776 31.10 0.00 0.00 0.00 5.00 3.42 0.00 3.42 0.00 0.90 0.10 0.04 0.00 10.00 0.00 0.00

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 18.00 | 17.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 347 | 17.90 | 17.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 348 | 17.80 | 17.70 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 349 | 17.70 | 17.60 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 350 | 17.60 | 17.50 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 351 | 17.50 | 17.40 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 352 | 17.40 | 17.30 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 353 | 17.30 | 17.20 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 354 | 17.20 | 17.10 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 355 | 17.10 | 17.00 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 356 | 17.00 | 16.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 357 | 16.90 | 16.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 358 | 16.80 | 16.70 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 359 | 16.70 | 16.60 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 360 | 16.60 | 16.50 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 361 | 16.50 | 16.40 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 362 | 16.40 | 16.30 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 363 | 16.30 | 16.20 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 364 | 16.20 | 16.10 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 365 | 16.10 | 16.00 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 366 | 16.00 | 15.90 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| 367 | 15.90 | 15.80 | 0.03776 | 0.0 | 0.00061 | 1.90 | 1.77 | 35.00 | 6188.00 | 3500.00 | 61.88 | 0.00 | 0.000 | 0.000 | 0.001 |
| TOT | | | | | 41.73 | | | | 136136.00 | 77000.00 | | | | | |
| AVG | | | | 0.0006 | | 1.77 | 35.00 | | | | 61.88 | | | | |
| CUM | | | | | 41.73 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SETT * | BKGD DECAY 1/da | FULL SOD 1/da | CORR SOD * | ORGN SOD 1/da | ORGN SETT * | NH3 DECAY ** | NH3 SETT ** | DENIT DECAY 1/da | PO4 SETT 1/da | ALG DECAY 1/da | MAC SRCE 1/da | COLI RATE 1/da | NCM SRCE 1/da | NCM PROD 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 17.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 347 | 17.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 348 | 17.700 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 2.88 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 349 | 17.600 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 2.87 | 2.87 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350 | 17.500 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 2.87 | 2.87 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 351 | 17.400 | 7.38 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 352 | 17.300 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 353 | 17.200 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 354 | 17.100 | 7.39 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 2.85 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 355 | 17.000 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 2.85 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 356 | 16.900 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 357 | 16.800 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 358 | 16.700 | 7.40 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 2.84 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 359 | 16.600 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 2.83 | 2.83 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 360 | 16.500 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 2.83 | 2.83 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 361 | 16.400 | 7.41 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 362 | 16.300 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 16.200 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 16.100 | 7.42 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 16.000 | 7.42 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 2.81 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 15.900 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 2.80 | 2.80 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 15.800 | 7.43 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 2.80 | 2.80 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | | | 0.02 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 17.900 | 31.48 | 0.00 | 0.00 | 0.00 | 5.03 | 2.95 | 0.00 | 2.95 | 0.00 | 0.86 | 0.10 | 0.00 | 0.96 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 347 | 17.800 | 31.45 | 0.00 | 0.00 | 0.00 | 5.08 | 2.54 | 0.00 | 2.54 | 0.00 | 0.82 | 0.10 | 0.00 | 0.92 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 348 | 17.700 | 31.43 | 0.00 | 0.00 | 0.00 | 5.14 | 2.19 | 0.00 | 2.19 | 0.00 | 0.78 | 0.09 | 0.00 | 0.88 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 349 | 17.600 | 31.41 | 0.00 | 0.00 | 0.00 | 5.20 | 1.89 | 0.00 | 1.89 | 0.00 | 0.75 | 0.09 | 0.00 | 0.84 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 350 | 17.500 | 31.39 | 0.00 | 0.00 | 0.00 | 5.26 | 1.63 | 0.00 | 1.63 | 0.00 | 0.71 | 0.09 | 0.00 | 0.80 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 351 | 17.400 | 31.36 | 0.00 | 0.00 | 0.00 | 5.32 | 1.40 | 0.00 | 1.40 | 0.00 | 0.68 | 0.08 | 0.00 | 0.76 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 352 | 17.300 | 31.34 | 0.00 | 0.00 | 0.00 | 5.37 | 1.21 | 0.00 | 1.21 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 353 | 17.200 | 31.32 | 0.00 | 0.00 | 0.00 | 5.42 | 1.04 | 0.00 | 1.04 | 0.00 | 0.62 | 0.08 | 0.00 | 0.70 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 354 | 17.100 | 31.30 | 0.00 | 0.00 | 0.00 | 5.46 | 0.90 | 0.00 | 0.90 | 0.00 | 0.59 | 0.07 | 0.00 | 0.66 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 355 | 17.000 | 31.27 | 0.00 | 0.00 | 0.00 | 5.50 | 0.78 | 0.00 | 0.78 | 0.00 | 0.57 | 0.07 | 0.00 | 0.63 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 356 | 16.900 | 31.25 | 0.00 | 0.00 | 0.00 | 5.53 | 0.67 | 0.00 | 0.67 | 0.00 | 0.54 | 0.07 | 0.00 | 0.61 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 357 | 16.800 | 31.23 | 0.00 | 0.00 | 0.00 | 5.56 | 0.58 | 0.00 | 0.58 | 0.00 | 0.52 | 0.06 | 0.00 | 0.58 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 358 | 16.700 | 31.20 | 0.00 | 0.00 | 0.00 | 5.59 | 0.50 | 0.00 | 0.50 | 0.00 | 0.49 | 0.06 | 0.00 | 0.55 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 359 | 16.600 | 31.18 | 0.00 | 0.00 | 0.00 | 5.61 | 0.43 | 0.00 | 0.43 | 0.00 | 0.47 | 0.06 | 0.00 | 0.53 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 360 | 16.500 | 31.16 | 0.00 | 0.00 | 0.00 | 5.64 | 0.37 | 0.00 | 0.37 | 0.00 | 0.45 | 0.06 | 0.00 | 0.50 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 361 | 16.400 | 31.14 | 0.00 | 0.00 | 0.00 | 5.66 | 0.32 | 0.00 | 0.32 | 0.00 | 0.43 | 0.05 | 0.00 | 0.48 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 362 | 16.300 | 31.11 | 0.00 | 0.00 | 0.00 | 5.68 | 0.28 | 0.00 | 0.28 | 0.00 | 0.41 | 0.05 | 0.00 | 0.46 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 363 | 16.200 | 31.09 | 0.00 | 0.00 | 0.00 | 5.69 | 0.24 | 0.00 | 0.24 | 0.00 | 0.39 | 0.05 | 0.00 | 0.44 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 364 | 16.100 | 31.07 | 0.00 | 0.00 | 0.00 | 5.71 | 0.21 | 0.00 | 0.21 | 0.00 | 0.37 | 0.05 | 0.00 | 0.42 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 365 | 16.000 | 31.05 | 0.00 | 0.00 | 0.00 | 5.73 | 0.18 | 0.00 | 0.18 | 0.00 | 0.36 | 0.04 | 0.00 | 0.40 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 366 | 15.900 | 31.02 | 0.00 | 0.00 | 0.00 | 5.74 | 0.15 | 0.00 | 0.15 | 0.00 | 0.34 | 0.04 | 0.00 | 0.38 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |
| 367 | 15.800 | 31.00 | 0.00 | 0.00 | 0.00 | 5.75 | 0.13 | 0.00 | 0.13 | 0.00 | 0.32 | 0.04 | 0.00 | 0.37 | 0.00 | 10.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 8 Peoples C. and L.P to N. Outlet TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | UPR RCH | 0.03776 | 31.00 | 0.00 | 0.00 | 0.00 | 5.75 | 0.13 | 0.00 | 0.13 | 0.00 | 0.32 | 0.04 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 |
| EACH | INCR | 0.17084 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 9.30 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | 15.80 | 15.70 | 0.20860 | 0.0 | 0.00006 | 20.90 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |
| 369 | 15.70 | 15.60 | 0.37945 | 0.0 | 0.00010 | 11.49 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |
| 370 | 15.60 | 15.50 | 0.55029 | 0.0 | 0.00015 | 7.92 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |
| 371 | 15.50 | 15.40 | 0.72114 | 0.0 | 0.00019 | 6.05 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |
| 372 | 15.40 | 15.30 | 0.89198 | 0.0 | 0.00024 | 4.89 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |
| 373 | 15.30 | 15.20 | 1.06283 | 0.0 | 0.00028 | 4.10 | 1.77 | 2131.00 | 376760.78 | 213100.00 | 3767.61 | 0.00 | 0.000 | 0.000 | 0.000 |

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 374   15.20   15.10    1.23367   0.0   0.00033     3.53    1.77 2131.00 376760.78  213100.00 3767.61      0.00   0.000     0.000   0.000
 375   15.10   15.00    1.40452   0.0   0.00037     3.10    1.77 2131.00 376760.78  213100.00 3767.61      0.00   0.000     0.000   0.000
 376   15.00   14.90    1.57536   0.0   0.00042     2.77    1.77 2131.00 376760.78  213100.00 3767.61      0.00   0.000     0.000   0.000
 TOT                                   64.77            3390847.00 1917900.00
 AVG                          0.0002          1.77 2131.00                3767.61
 CUM                                   106.49
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT    REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN    NH3   NH3 DENIT   PO4   ALG   MAC   COLI    NCM    NCM
NO.    DIST D.O.   RATE DECAY SETT DECAY DECAY SETT DECAY  SOD  SOD  SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da 1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
 368   15.700 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 369   15.600 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 370   15.500 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 371   15.400 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 372   15.300 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 373   15.200 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 374   15.100 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 375   15.000 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 376   14.900 7.43   0.64  0.08 0.00  0.00  0.00 0.00  0.00 1.20 1.20 1.20  0.02 0.00  0.23 0.00  0.00 0.00 0.83 0.00  0.00  0.00  0.00
 AVG 20 DEG C RATE    0.53  0.05 0.00  0.00  0.00 0.00  0.00 0.60            0.02 0.00  0.10 0.00  0.00 0.00            0.00  0.00  0.00
 *  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A   MACRO    COLI    NCM
NO.    DIST DEG C  PPT              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L   µg/L   g/m³  #/100mL
 368   15.700 31.00 0.00    0.00    0.00  7.04  2.80  0.00  2.80  0.00  0.74  0.08  0.00  0.82  0.00 10.00  0.00     0.   0.00
 369   15.600 31.00 0.00    0.00    0.00  7.03  2.93  0.00  2.93  0.00  0.77  0.08  0.00  0.86  0.00 10.00  0.00     0.   0.00
 370   15.500 31.00 0.00    0.00    0.00  7.03  2.96  0.00  2.96  0.00  0.78  0.09  0.00  0.87  0.00 10.00  0.00     0.   0.00
 371   15.400 31.00 0.00    0.00    0.00  7.02  2.97  0.00  2.97  0.00  0.79  0.09  0.00  0.87  0.00 10.00  0.00     0.   0.00
 372   15.300 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.87  0.00 10.00  0.00     0.   0.00
 373   15.200 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.   0.00
 374   15.100 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.   0.00
 375   15.000 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.   0.00
 376   14.900 31.00 0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.88  0.00 10.00  0.00     0.   0.00
FINAL REPORT    Station 935                    LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO.  9    N. Outlet to L. Penchant W. Sid          TMDL Simulation for Lake Penchant and Bayou Penchant mode
********************************************************** REACH INPUTS **********************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.              deg C    ppt              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L   µg/L  #/100mL
 377  UPR RCH   1.57536  31.00    0.00    0.00    0.00  7.02  2.98  0.00  2.98  0.00  0.79  0.09  0.00  0.00 10.00    0.00    0.00
EACH  INCR     0.27598  30.00    0.00    0.00    0.00  5.00  9.30  0.00            2.80  0.10  0.04  0.00    0.00    0.00
EACH  INCR     -0.12308
********************************************************* HYDRAULIC PARAMETER VALUES *********************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
 NO.  DIST   DIST        EFF   VELO    TIME                          AREA    AREA    PRISM   VELO          VELO
       km     km        m³/s    m/s    days     m      m      m³      m²      m²      m³     m/s    m²/s    m/s
 377  14.90  14.80   1.72827  0.0  0.00099   1.16   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
 378  14.80  14.70   1.88118  0.0  0.00108   1.07   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
 379  14.70  14.60   2.03408  0.0  0.00117   0.99   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
 380  14.60  14.50   2.18699  0.0  0.00126   0.92   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
 381  14.50  14.40   2.33990  0.0  0.00135   0.86   1.77  983.00 173794.39  98300.00 1737.94    0.00  0.000    0.000  0.001
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| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 382 | 14.40 | 14.30 | 2.49281 | 0.0 | 0.00143 | 0.81 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.001 | | | | | | | |
| 383 | 14.30 | 14.20 | 2.64571 | 0.0 | 0.00152 | 0.76 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 384 | 14.20 | 14.10 | 2.79862 | 0.0 | 0.00161 | 0.72 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 385 | 14.10 | 14.00 | 2.95153 | 0.0 | 0.00170 | 0.68 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 386 | 14.00 | 13.90 | 3.10444 | 0.0 | 0.00179 | 0.65 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 387 | 13.90 | 13.80 | 3.25734 | 0.0 | 0.00187 | 0.62 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 388 | 13.80 | 13.70 | 3.41025 | 0.0 | 0.00196 | 0.59 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| 389 | 13.70 | 13.60 | 3.56316 | 0.0 | 0.00205 | 0.56 | 1.77 | 983.00 | 173794.39 | 98300.00 | 1737.94 | 0.00 | 0.000 | 0.000 | 0.002 | | | | | | | |
| TOT | | | | | 10.39 | | | 2259327.00 | 1277900.00 | | | | | | | | | | | | | |
| AVG | | | | 0.0014 | | | 1.77 | 983.00 | | | 1737.94 | | | | | | | | | | | |
| CUM | | | | | 116.88 | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 377 | 14.800 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 14.700 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 14.600 | 7.42 | 0.64 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 3.02 | 3.02 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 14.500 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 14.400 | 7.41 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 14.300 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 14.200 | 7.40 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 3.05 | 3.05 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 14.100 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 14.000 | 7.39 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.03 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 13.900 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 13.800 | 7.38 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 3.08 | 3.08 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 13.700 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 13.600 | 7.37 | 0.65 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.03 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.53 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | TOTN | PHOS | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | | $g/m^3$ | #/100mL | |
| 377 | 14.800 | 31.04 | 0.00 | 0.00 | 0.00 | 6.26 | 3.60 | 0.00 | 3.60 | 0.00 | 1.06 | 0.09 | 0.00 | 1.16 | 0.00 | 11.15 | 0.00 | | 0. | 0.00 |
| 378 | 14.700 | 31.08 | 0.00 | 0.00 | 0.00 | 5.93 | 4.05 | 0.00 | 4.05 | 0.00 | 1.27 | 0.10 | 0.00 | 1.37 | 0.00 | 12.31 | 0.00 | | 0. | 0.00 |
| 379 | 14.600 | 31.12 | 0.00 | 0.00 | 0.00 | 5.79 | 4.38 | 0.00 | 4.38 | 0.00 | 1.43 | 0.11 | 0.00 | 1.54 | 0.00 | 13.46 | 0.00 | | 0. | 0.00 |
| 380 | 14.500 | 31.15 | 0.00 | 0.00 | 0.00 | 5.76 | 4.63 | 0.00 | 4.63 | 0.00 | 1.56 | 0.12 | 0.00 | 1.68 | 0.00 | 14.62 | 0.00 | | 0. | 0.00 |
| 381 | 14.400 | 31.19 | 0.00 | 0.00 | 0.00 | 5.77 | 4.82 | 0.00 | 4.82 | 0.00 | 1.67 | 0.13 | 0.00 | 1.80 | 0.00 | 15.77 | 0.00 | | 0. | 0.00 |
| 382 | 14.300 | 31.23 | 0.00 | 0.00 | 0.00 | 5.82 | 4.98 | 0.00 | 4.98 | 0.00 | 1.75 | 0.13 | 0.00 | 1.89 | 0.00 | 16.92 | 0.00 | | 0. | 0.00 |
| 383 | 14.200 | 31.27 | 0.00 | 0.00 | 0.00 | 5.88 | 5.10 | 0.00 | 5.10 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 18.08 | 0.00 | | 0. | 0.00 |
| 384 | 14.100 | 31.31 | 0.00 | 0.00 | 0.00 | 5.96 | 5.19 | 0.00 | 5.19 | 0.00 | 1.88 | 0.15 | 0.00 | 2.03 | 0.00 | 19.23 | 0.00 | | 0. | 0.00 |
| 385 | 14.000 | 31.35 | 0.00 | 0.00 | 0.00 | 6.04 | 5.27 | 0.00 | 5.27 | 0.00 | 1.93 | 0.15 | 0.00 | 2.08 | 0.00 | 20.38 | 0.00 | | 0. | 0.00 |
| 386 | 13.900 | 31.38 | 0.00 | 0.00 | 0.00 | 6.13 | 5.34 | 0.00 | 5.34 | 0.00 | 1.98 | 0.15 | 0.00 | 2.13 | 0.00 | 21.54 | 0.00 | | 0. | 0.00 |
| 387 | 13.800 | 31.42 | 0.00 | 0.00 | 0.00 | 6.22 | 5.39 | 0.00 | 5.39 | 0.00 | 2.01 | 0.16 | 0.00 | 2.17 | 0.00 | 22.69 | 0.00 | | 0. | 0.00 |
| 388 | 13.700 | 31.46 | 0.00 | 0.00 | 0.00 | 6.31 | 5.43 | 0.00 | 5.43 | 0.00 | 2.05 | 0.16 | 0.00 | 2.21 | 0.00 | 23.85 | 0.00 | | 0. | 0.00 |
| 389 | 13.600 | 31.50 | 0.00 | 0.00 | 0.00 | 6.41 | 5.47 | 0.00 | 5.47 | 0.00 | 2.07 | 0.16 | 0.00 | 2.24 | 0.00 | 25.00 | 0.00 | | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 10 L. P. W. Side to L. P W. Outlet TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM | TYPE | FLOW | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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NO.                 deg C    ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
 390 UPR RCH  3.56316  31.50    0.00    0.00    0.00  6.41  5.47  0.00  5.47  0.00  2.07  0.16  0.00  0.00 25.00    0.00    0.00
EACH  INCR    0.05556  30.00    0.00    0.00    0.00  5.00 10.00  0.00             1.30  0.10  0.04  0.00    0.00    0.00
EACH  INCR   -0.05556
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN ENDING    FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE X-SECT   TIDAL  TIDAL  DISPRSN   MEAN
 NO.  DIST  DIST        EFF   VELO    TIME                        AREA   AREA   PRISM   VELO          VELO
      km    km       m³/s        m/s   days     m      m      m³      m²     m²      m³    m/s    m²/s    m/s
 390  13.60  13.50  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 391  13.50  13.40  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 392  13.40  13.30  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 393  13.30  13.20  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 394  13.20  13.10  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 395  13.10  13.00  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 396  13.00  12.90  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 397  12.90  12.80  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 398  12.80  12.70  3.56316  0.0  0.01362    0.08   1.77  148.00  26166.40  14800.00  261.66    0.00  0.000    0.000  0.014
 TOT                                  0.76            235497.62  133200.00
 AVG                         0.0136          1.77  148.00                261.66
 CUM                                117.65
************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR  ORGN ORGN   NH3  NH3 DENIT  PO4  ALG  MAC  COLI   NCM   NCM
NO.   DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY SRCE  RATE SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da   1/da  1/da   1/da   1/da  1/da   1/da    *     *     *   1/da  1/da   1/da    *   1/da    *    **    **   1/da   1/da   1/da
 390  13.500  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.24  0.00   0.00   0.00   0.00
 391  13.400  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.36  0.00   0.00   0.00   0.00
 392  13.300  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.49  0.00   0.00   0.00   0.00
 393  13.200  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.61  0.00   0.00   0.00   0.00
 394  13.100  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.73  0.00   0.00   0.00   0.00
 395  13.000  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.36  0.00   0.00  0.00  2.85  0.00   0.00   0.00   0.00
 396  12.900  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.35  0.00   0.00  0.00  2.98  0.00   0.00   0.00   0.00
 397  12.800  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.35  0.00   0.00  0.00  3.10  0.00   0.00   0.00   0.00
 398  12.700  7.37   0.49   0.08  0.00   0.00   0.00  0.00   0.00  5.78  5.78  5.78   0.03  0.00   0.35  0.00   0.00  0.00  3.22  0.00   0.00   0.00   0.00
AVG 20 DEG C RATE    0.40   0.05  0.00   0.00   0.00  0.00   0.00  2.80             0.02  0.00   0.15  0.00   0.00  0.00             0.00   0.00   0.00
*  g/m²/d          **   mg/L/day
************************************************ WATER QUALITY CONSTITUENT VALUES ************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO   BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
 390  13.500  31.50  0.00    0.00    0.00  6.29  5.50  0.00  5.50  0.00  2.06  0.16  0.00  2.22  0.00  26.44   0.00      0.   0.00
 391  13.400  31.50  0.00    0.00    0.00  6.18  5.53  0.00  5.53  0.00  2.04  0.16  0.00  2.20  0.00  27.89   0.00      0.   0.00
 392  13.300  31.50  0.00    0.00    0.00  6.09  5.56  0.00  5.56  0.00  2.03  0.16  0.00  2.19  0.00  29.33   0.00      0.   0.00
 393  13.200  31.50  0.00    0.00    0.00  6.01  5.59  0.00  5.59  0.00  2.01  0.16  0.00  2.17  0.00  30.78   0.00      0.   0.00
 394  13.100  31.50  0.00    0.00    0.00  5.95  5.61  0.00  5.61  0.00  2.00  0.16  0.00  2.15  0.00  32.22   0.00      0.   0.00
 395  13.000  31.50  0.00    0.00    0.00  5.90  5.64  0.00  5.64  0.00  1.98  0.15  0.00  2.14  0.00  33.67   0.00      0.   0.00
 396  12.900  31.50  0.00    0.00    0.00  5.86  5.67  0.00  5.67  0.00  1.97  0.15  0.00  2.12  0.00  35.11   0.00      0.   0.00
 397  12.800  31.50  0.00    0.00    0.00  5.84  5.69  0.00  5.69  0.00  1.95  0.15  0.00  2.10  0.00  36.56   0.00      0.   0.00
 398  12.700  31.50  0.00    0.00    0.00  5.83  5.72  0.00  5.72  0.00  1.94  0.15  0.00  2.09  0.00  38.00   0.00      0.   0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 11    L. P W. Outlet to Superior Cana            TMDL Simulation for Lake Penchant and Bayou Penchant mode
************************************************************ REACH INPUTS ************************************************************
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| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | UPR RCH | 3.56316 | 31.50 | 0.00 | 0.00 | 0.00 | 5.83 | 5.72 | 0.00 | 5.72 | 0.00 | 1.94 | 0.15 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02632 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 1.30 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.02632 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | 12.70 | 12.60 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 400 | 12.60 | 12.50 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 401 | 12.50 | 12.40 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 402 | 12.40 | 12.30 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 403 | 12.30 | 12.20 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 404 | 12.20 | 12.10 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 405 | 12.10 | 12.00 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 406 | 12.00 | 11.90 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 407 | 11.90 | 11.80 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 408 | 11.80 | 11.70 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 409 | 11.70 | 11.60 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 410 | 11.60 | 11.50 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 411 | 11.50 | 11.40 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 412 | 11.40 | 11.30 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 413 | 11.30 | 11.20 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 414 | 11.20 | 11.10 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 415 | 11.10 | 11.00 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 416 | 11.00 | 10.90 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| 417 | 10.90 | 10.80 | 3.56316 | 0.0 | 0.03304 | 0.04 | 1.77 | 61.00 | 10784.80 | 6100.00 | 107.85 | 0.00 | 0.000 | 0.300 | 0.033 |
| TOT | | | | | 0.67 | | 204911.17 | | 115900.00 | | | | | | |
| AVG | | | | 0.0330 | | 1.77 | 61.00 | | | | 107.85 | | | | |
| CUM | | | | | 118.31 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SETT * | BKGD DECAY 1/da | FULL SOD 1/da | CORR SOD 1/da | ORGN DECAY * | ORGN SETT 1/da | NH3 DECAY * | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | 12.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 400 | 12.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 401 | 12.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 402 | 12.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 403 | 12.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 404 | 12.100 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 405 | 12.000 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 406 | 11.900 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 407 | 11.800 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 408 | 11.700 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 409 | 11.600 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 410 | 11.500 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 411 | 11.400 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 412 | 11.300 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 413 | 11.200 | 7.37 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

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414  11.100 7.37   0.49  0.08 0.00  0.00  0.00 0.00  0.00 5.78 5.78 5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
415  11.000 7.37   0.49  0.08 0.00  0.00  0.00 0.00  0.00 5.78 5.78 5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
416  10.900 7.37   0.49  0.08 0.00  0.00  0.00 0.00  0.00 5.78 5.78 5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
417  10.800 7.37   0.49  0.08 0.00  0.00  0.00 0.00  0.00 5.78 5.78 5.78  0.03 0.00  0.35 0.00  0.00 0.00 3.22 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.40  0.05 0.00  0.00  0.00 0.00  0.00 2.80          0.02 0.00  0.15 0.00  0.00 0.00          0.00  0.00  0.00
*  g/m²/d        **  mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM ENDING  TEMP SALN   CM-I  CM-II  DO  BOD#1 BOD#2 EBOD#1 EBOD#2  ORGN   NH3 NO3+2  TOTN  PHOS CHL A  MACRO   COLI   NCM
NO.   DIST DEG C  PPT            mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  g/m³ #/100mL
399  12.600 31.50 0.00   0.00   0.00 5.82  5.74 0.00  5.74 0.00  1.93 0.15 0.00  2.08 0.00 38.00  0.00    0.  0.00
400  12.500 31.50 0.00   0.00   0.00 5.81  5.75 0.00  5.75 0.00  1.93 0.15 0.00  2.08 0.00 38.00  0.00    0.  0.00
401  12.400 31.50 0.00   0.00   0.00 5.81  5.76 0.00  5.76 0.00  1.92 0.15 0.00  2.07 0.00 38.00  0.00    0.  0.00
402  12.300 31.50 0.00   0.00   0.00 5.80  5.78 0.00  5.78 0.00  1.91 0.15 0.00  2.06 0.00 38.00  0.00    0.  0.00
403  12.200 31.50 0.00   0.00   0.00 5.80  5.79 0.00  5.79 0.00  1.91 0.15 0.00  2.06 0.00 38.00  0.00    0.  0.00
404  12.100 31.50 0.00   0.00   0.00 5.79  5.81 0.00  5.81 0.00  1.90 0.15 0.00  2.05 0.00 38.00  0.00    0.  0.00
405  12.000 31.50 0.00   0.00   0.00 5.78  5.82 0.00  5.82 0.00  1.89 0.15 0.00  2.04 0.00 38.00  0.00    0.  0.00
406  11.900 31.50 0.00   0.00   0.00 5.78  5.83 0.00  5.83 0.00  1.89 0.15 0.00  2.04 0.00 38.00  0.00    0.  0.00
407  11.800 31.50 0.00   0.00   0.00 5.77  5.85 0.00  5.85 0.00  1.88 0.15 0.00  2.03 0.00 38.00  0.00    0.  0.00
408  11.700 31.50 0.00   0.00   0.00 5.77  5.86 0.00  5.86 0.00  1.88 0.15 0.00  2.02 0.00 38.00  0.00    0.  0.00
409  11.600 31.50 0.00   0.00   0.00 5.76  5.87 0.00  5.87 0.00  1.87 0.15 0.00  2.02 0.00 38.00  0.00    0.  0.00
410  11.500 31.50 0.00   0.00   0.00 5.76  5.89 0.00  5.89 0.00  1.86 0.14 0.00  2.01 0.00 38.00  0.00    0.  0.00
411  11.400 31.50 0.00   0.00   0.00 5.75  5.90 0.00  5.90 0.00  1.86 0.14 0.00  2.00 0.00 38.00  0.00    0.  0.00
412  11.300 31.50 0.00   0.00   0.00 5.75  5.91 0.00  5.91 0.00  1.85 0.14 0.00  2.00 0.00 38.00  0.00    0.  0.00
413  11.200 31.50 0.00   0.00   0.00 5.74  5.92 0.00  5.92 0.00  1.85 0.14 0.00  1.99 0.00 38.00  0.00    0.  0.00
414  11.100 31.50 0.00   0.00   0.00 5.74  5.94 0.00  5.94 0.00  1.84 0.14 0.00  1.99 0.00 38.00  0.00    0.  0.00
415  11.000 31.50 0.00   0.00   0.00 5.74  5.95 0.00  5.95 0.00  1.84 0.14 0.00  1.98 0.00 38.00  0.00    0.  0.00
416  10.900 31.50 0.00   0.00   0.00 5.73  5.96 0.00  5.96 0.00  1.83 0.14 0.00  1.97 0.00 38.00  0.00    0.  0.00
417  10.800 31.50 0.00   0.00   0.00 5.73  5.97 0.00  5.97 0.00  1.83 0.14 0.00  1.97 0.00 38.00  0.00    0.  0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 12    Superior Canal to un canal 1                TMDL Simulation for Lake Penchant and Bayou Penchant mode
************************************************************** REACH INPUTS **************************************************************
ELEM TYPE      FLOW   TEMP   SALN   CM-I  CM-II  DO BOD#1 BOD#2 EBOD#1 EBOD#2  ORGN   NH3 NO3+2  PHOS CHL A   COLI   NCM
NO.            deg C  ppt            mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L #/100mL
418 UPR RCH  3.56316  31.50   0.00   0.00   0.00 5.73  5.97 0.00  5.97 0.00  1.83 0.14 0.00 0.00 38.00   0.00   0.00
EACH INCR    0.03846  30.00   0.00   0.00   0.00 5.00 10.00 0.00          1.30 0.10 0.04 0.00   0.00   0.00
EACH INCR    -0.03846
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN ENDING    FLOW  PCT  ADVCTV  TRAVEL  DEPTH  WIDTH  VOLUME  SURFACE X-SECT   TIDAL  TIDAL  DISPRSN  MEAN
NO.   DIST  DIST      EFF   VELO   TIME                        AREA   AREA   PRISM  VELO          VELO
      km    km      m³/s    m/s   days    m      m      m³     m²     m²     m³    m/s   m²/s   m/s
418  10.80 10.70  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
419  10.70 10.60  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
420  10.60 10.50  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
421  10.50 10.40  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
422  10.40 10.30  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
423  10.30 10.20  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
424  10.20 10.10  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
425  10.10 10.00  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
426  10.00  9.90  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
427   9.90  9.80  3.56316  0.0  0.03530  0.03  1.40  72.00 10094.40  7200.00 100.94  0.00 0.000  0.200 0.035
```

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 428 | 9.80 | 9.70 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 | | | | | | | | | |
| 429 | 9.70 | 9.60 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 | | | | | | | | | |
| 430 | 9.60 | 9.50 | 3.56316 | 0.0 | 0.03530 | 0.03 | 1.40 | 72.00 | 10094.40 | 7200.00 | 100.94 | 0.00 | 0.000 | 0.200 | 0.035 | | | | | | | | | |
| TOT | | | | | 0.43 | | | 131227.19 | 93600.00 | | | | | | | | | | | | | | | |
| AVG | | | | 0.0353 | | | 1.40 | 72.00 | | | 100.94 | | | | | | | | | | | | | |
| CUM | | | | | 118.74 | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 418 | 10.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 10.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 10.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 10.400 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 10.300 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 10.200 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 10.100 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 10.000 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 9.900 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 9.800 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 9.700 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 9.600 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 9.500 | 7.37 | 0.62 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 5.78 | 5.78 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.50 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN mg/L | PHOS µg/L | CHL A g/m³ | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 10.700 | 31.50 | 0.00 | 0.00 | 0.00 | 5.70 | 6.00 | 0.00 | 6.00 | 0.00 | 1.82 | 0.14 | 0.00 | 1.96 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 419 | 10.600 | 31.50 | 0.00 | 0.00 | 0.00 | 5.67 | 6.03 | 0.00 | 6.03 | 0.00 | 1.81 | 0.14 | 0.00 | 1.95 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 420 | 10.500 | 31.50 | 0.00 | 0.00 | 0.00 | 5.65 | 6.05 | 0.00 | 6.05 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 421 | 10.400 | 31.50 | 0.00 | 0.00 | 0.00 | 5.62 | 6.08 | 0.00 | 6.08 | 0.00 | 1.80 | 0.14 | 0.00 | 1.94 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 422 | 10.300 | 31.50 | 0.00 | 0.00 | 0.00 | 5.60 | 6.10 | 0.00 | 6.10 | 0.00 | 1.79 | 0.14 | 0.00 | 1.93 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 423 | 10.200 | 31.50 | 0.00 | 0.00 | 0.00 | 5.58 | 6.13 | 0.00 | 6.13 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 424 | 10.100 | 31.50 | 0.00 | 0.00 | 0.00 | 5.55 | 6.15 | 0.00 | 6.15 | 0.00 | 1.78 | 0.14 | 0.00 | 1.92 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 425 | 10.000 | 31.50 | 0.00 | 0.00 | 0.00 | 5.53 | 6.17 | 0.00 | 6.17 | 0.00 | 1.77 | 0.14 | 0.00 | 1.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 426 | 9.900 | 31.50 | 0.00 | 0.00 | 0.00 | 5.51 | 6.20 | 0.00 | 6.20 | 0.00 | 1.76 | 0.14 | 0.00 | 1.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 427 | 9.800 | 31.50 | 0.00 | 0.00 | 0.00 | 5.49 | 6.22 | 0.00 | 6.22 | 0.00 | 1.76 | 0.14 | 0.00 | 1.89 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 428 | 9.700 | 31.50 | 0.00 | 0.00 | 0.00 | 5.47 | 6.25 | 0.00 | 6.25 | 0.00 | 1.75 | 0.14 | 0.00 | 1.89 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 429 | 9.600 | 31.50 | 0.00 | 0.00 | 0.00 | 5.45 | 6.27 | 0.00 | 6.27 | 0.00 | 1.75 | 0.14 | 0.00 | 1.88 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 430 | 9.500 | 31.50 | 0.00 | 0.00 | 0.00 | 5.42 | 6.36 | 0.00 | 6.36 | 0.00 | 1.78 | 0.13 | 0.00 | 1.92 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

REACH NO. 13 unnamed canal to Brady C/Weir 2 TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 431 | UPR RCH | 3.56316 | 31.50 | 0.00 | 0.00 | 0.00 | 5.42 | 6.36 | 0.00 | 6.36 | 0.00 | 1.78 | 0.13 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| 431 | WSTLD | 3.28477 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | 10.00 | 0.00 | 4.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM | BEGIN | ENDING | FLOW | PCT | ADVCTV | TRAVEL | DEPTH | WIDTH | VOLUME | SURFACE | X-SECT | TIDAL | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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 NO.   DIST   DIST          EFF    VELO     TIME                        AREA   AREA    PRISM   VELO          VELO
       km     km      m³/s         m/s    days     m      m      m³       m²     m²      m³     m/s    m²/s    m/s
 431   9.50   9.40   6.84793  48.0  0.06784    0.02   1.40   72.00  10094.40   7200.00  100.94     0.00  0.000    0.100  0.068
 432   9.40   9.30   6.84793  48.0  0.06784    0.02   1.40   72.00  10094.40   7200.00  100.94     0.00  0.000    0.100  0.068
 TOT                                   0.03              20188.80   14400.00
 AVG                            0.0678          1.40   72.00                 100.94
 CUM                                 118.77
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN  ORGN   NH3   NH3  DENIT   PO4   ALG   MAC   COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY  SRCE   RATE  SRCE  PROD  PROD  DECAY  DECAY   SETT
          mg/L   1/da  1/da  1/da   1/da   1/da  1/da   1/da    *     *     *   1/da  1/da   1/da     *   1/da     *    **    **   1/da   1/da   1/da
431   9.400  7.37   0.76   0.08  0.00   0.00   0.00  0.00   0.00  3.09  3.09  3.09   0.03  0.00   0.35  0.00   0.00  0.00  3.22  0.00   0.00   0.00   0.00
432   9.300  7.37   0.76   0.08  0.00   0.00   0.00  0.00   0.00  3.09  3.09  3.09   0.03  0.00   0.35  0.00   0.00  0.00  3.22  0.00   0.00   0.00   0.00
AVG 20 DEG C RATE    0.62   0.05  0.00   0.00   0.00  0.00   0.00  1.50              0.02  0.00   0.15  0.00   0.00  0.00              0.00   0.00   0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C  PPT                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m³  #/100mL
431   9.400  31.50  0.00    0.00    0.00  5.26   8.06   0.00   8.06   0.00   2.82   0.09   0.00   2.92   0.00  38.00   0.00      0.   0.00
432   9.300  31.50  0.00    0.00    0.00  5.29   8.05   0.00   8.05   0.00   2.82   0.10   0.00   2.92   0.00  38.00   0.00      0.   0.00
FINAL REPORT    Station 935                          LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 14    Brady C/Weir 2 to Km#                     TMDL Simulation for Lake Penchant and Bayou Penchant mode
********************************************************** REACH INPUTS ************************************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.                deg C    ppt                mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L  #/100mL
 433  UPR RCH   6.84793   31.50    0.00    0.00    0.00  5.29   8.05   0.00   8.05   0.00   2.82   0.10   0.00   0.00  38.00    0.00   0.00
EACH  INCR     0.00212   30.00    0.00    0.00    0.00  5.00  10.00   0.00              0.85   0.10   0.04   0.00    0.00   0.00
 433  WSTLD   -1.74630   31.57    0.00    0.00    0.00  5.31   8.03   0.00   8.03   0.00   2.82   0.10   0.00   0.00  38.00    0.00   0.00
***************************************************** HYDRAULIC PARAMETER VALUES *****************************************************
ELEM  BEGIN  ENDING     FLOW   PCT  ADVCTV   TRAVEL   DEPTH   WIDTH   VOLUME   SURFACE  X-SECT    TIDAL   TIDAL   DISPRSN    MEAN
 NO.   DIST   DIST          EFF    VELO     TIME                        AREA   AREA    PRISM   VELO          VELO
       km     km      m³/s         m/s    days     m      m      m³       m²     m²      m³     m/s    m²/s    m/s
 433   9.30   9.20   5.10375  48.0  0.05200    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 434   9.20   9.10   5.10588  47.9  0.05203    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 435   9.10   9.00   5.10800  47.9  0.05205    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 436   9.00   8.90   5.11013  47.9  0.05207    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 437   8.90   8.80   5.11225  47.9  0.05209    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 438   8.80   8.70   5.11438  47.9  0.05211    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 439   8.70   8.60   5.11650  47.8  0.05213    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 440   8.60   8.50   5.11863  47.8  0.05216    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 441   8.50   8.40   5.12075  47.8  0.05218    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 442   8.40   8.30   5.12288  47.8  0.05220    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 443   8.30   8.20   5.12500  47.8  0.05222    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 444   8.20   8.10   5.12713  47.7  0.05224    0.02   1.40   70.00   9814.00   7000.00   98.14     0.00  0.000    0.100  0.052
 TOT                                   0.27             117768.00   84000.00
 AVG                            0.0521          1.40   70.00                  98.14
 CUM                                 119.04
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN  ORGN   NH3   NH3  DENIT   PO4   ALG   MAC   COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY  SRCE   RATE  SRCE  PROD  PROD  DECAY  DECAY   SETT
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| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 433 | 9.200 | 7.36 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 3.11 | 3.11 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 9.100 | 7.35 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 3.12 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 9.000 | 7.34 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 3.13 | 0.03 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 8.900 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 8.800 | 7.33 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 8.700 | 7.32 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 3.17 | 3.17 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 8.600 | 7.31 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 3.19 | 3.19 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 8.500 | 7.30 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 8.400 | 7.29 | 0.67 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 8.300 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 8.200 | 7.28 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 8.100 | 7.27 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.54 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 433 | 9.200 | 31.57 | 0.00 | 0.00 | 0.00 | 5.31 | 8.03 | 0.00 | 8.03 | 0.00 | 2.82 | 0.10 | 0.00 | 2.92 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 434 | 9.100 | 31.63 | 0.00 | 0.00 | 0.00 | 5.34 | 8.02 | 0.00 | 8.02 | 0.00 | 2.82 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 435 | 9.000 | 31.70 | 0.00 | 0.00 | 0.00 | 5.38 | 8.01 | 0.00 | 8.01 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 436 | 8.900 | 31.77 | 0.00 | 0.00 | 0.00 | 5.41 | 7.99 | 0.00 | 7.99 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 437 | 8.800 | 31.83 | 0.00 | 0.00 | 0.00 | 5.44 | 7.98 | 0.00 | 7.98 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 438 | 8.700 | 31.90 | 0.00 | 0.00 | 0.00 | 5.47 | 7.96 | 0.00 | 7.96 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 439 | 8.600 | 31.97 | 0.00 | 0.00 | 0.00 | 5.50 | 7.95 | 0.00 | 7.95 | 0.00 | 2.81 | 0.10 | 0.00 | 2.91 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 440 | 8.500 | 32.03 | 0.00 | 0.00 | 0.00 | 5.53 | 7.93 | 0.00 | 7.93 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 441 | 8.400 | 32.10 | 0.00 | 0.00 | 0.00 | 5.56 | 7.92 | 0.00 | 7.92 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 442 | 8.300 | 32.17 | 0.00 | 0.00 | 0.00 | 5.59 | 7.90 | 0.00 | 7.90 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 443 | 8.200 | 32.23 | 0.00 | 0.00 | 0.00 | 5.62 | 7.89 | 0.00 | 7.89 | 0.00 | 2.80 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |
| 444 | 8.100 | 32.30 | 0.00 | 0.00 | 0.00 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 2.90 | 0.00 | 38.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 15 Km# to Pipeline Canal TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | UPR RCH | 5.12713 | 32.30 | 0.00 | 0.00 | 0.00 | 5.65 | 7.88 | 0.00 | 7.88 | 0.00 | 2.79 | 0.10 | 0.00 | 0.00 | 38.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00279 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | 0.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | PRISM m³ | VELO m/s | TIDAL VELO m²/s | TIDAL VELO m/s | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | 8.10 | 8.00 | 5.12992 | 47.7 | 0.05629 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 446 | 8.00 | 7.90 | 5.13271 | 47.7 | 0.05632 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 447 | 7.90 | 7.80 | 5.13551 | 47.7 | 0.05635 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 448 | 7.80 | 7.70 | 5.13830 | 47.6 | 0.05638 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 449 | 7.70 | 7.60 | 5.14109 | 47.6 | 0.05641 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 450 | 7.60 | 7.50 | 5.14389 | 47.6 | 0.05645 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 451 | 7.50 | 7.40 | 5.14668 | 47.6 | 0.05648 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.056 | | |
| 452 | 7.40 | 7.30 | 5.14947 | 47.5 | 0.05651 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 | | |
| 453 | 7.30 | 7.20 | 5.15227 | 47.5 | 0.05654 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 454 | 7.20 | 7.10 | 5.15506 | 47.5 | 0.05657 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 455 | 7.10 | 7.00 | 5.15785 | 47.4 | 0.05660 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 456 | 7.00 | 6.90 | 5.16065 | 47.4 | 0.05663 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 457 | 6.90 | 6.80 | 5.16344 | 47.4 | 0.05666 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 458 | 6.80 | 6.70 | 5.16623 | 47.4 | 0.05669 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 459 | 6.70 | 6.60 | 5.16903 | 47.3 | 0.05672 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 460 | 6.60 | 6.50 | 5.17182 | 47.3 | 0.05675 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 461 | 6.50 | 6.40 | 5.17461 | 47.3 | 0.05678 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 462 | 6.40 | 6.30 | 5.17741 | 47.3 | 0.05681 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 463 | 6.30 | 6.20 | 5.18020 | 47.2 | 0.05684 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 464 | 6.20 | 6.10 | 5.18299 | 47.2 | 0.05687 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 465 | 6.10 | 6.00 | 5.18579 | 47.2 | 0.05691 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 466 | 6.00 | 5.90 | 5.18858 | 47.2 | 0.05694 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 467 | 5.90 | 5.80 | 5.19137 | 47.1 | 0.05697 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 468 | 5.80 | 5.70 | 5.19417 | 47.1 | 0.05700 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 469 | 5.70 | 5.60 | 5.19696 | 47.1 | 0.05703 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 470 | 5.60 | 5.50 | 5.19975 | 47.1 | 0.05706 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 471 | 5.50 | 5.40 | 5.20255 | 47.0 | 0.05709 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 472 | 5.40 | 5.30 | 5.20534 | 47.0 | 0.05712 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 473 | 5.30 | 5.20 | 5.20813 | 47.0 | 0.05715 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 474 | 5.20 | 5.10 | 5.21093 | 47.0 | 0.05718 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 475 | 5.10 | 5.00 | 5.21372 | 46.9 | 0.05721 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 476 | 5.00 | 4.90 | 5.21651 | 46.9 | 0.05724 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 477 | 4.90 | 4.80 | 5.21931 | 46.9 | 0.05727 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 478 | 4.80 | 4.70 | 5.22210 | 46.9 | 0.05730 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 479 | 4.70 | 4.60 | 5.22489 | 46.8 | 0.05733 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 480 | 4.60 | 4.50 | 5.22769 | 46.8 | 0.05737 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 481 | 4.50 | 4.40 | 5.23048 | 46.8 | 0.05740 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 482 | 4.40 | 4.30 | 5.23327 | 46.8 | 0.05743 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 483 | 4.30 | 4.20 | 5.23607 | 46.7 | 0.05746 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 484 | 4.20 | 4.10 | 5.23886 | 46.7 | 0.05749 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.057 |
| 485 | 4.10 | 4.00 | 5.24165 | 46.7 | 0.05752 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 486 | 4.00 | 3.90 | 5.24445 | 46.7 | 0.05755 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 487 | 3.90 | 3.80 | 5.24724 | 46.6 | 0.05758 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 488 | 3.80 | 3.70 | 5.25003 | 46.6 | 0.05761 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 489 | 3.70 | 3.60 | 5.25283 | 46.6 | 0.05764 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 490 | 3.60 | 3.50 | 5.25562 | 46.6 | 0.05767 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 491 | 3.50 | 3.40 | 5.25841 | 46.5 | 0.05770 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 492 | 3.40 | 3.30 | 5.26121 | 46.5 | 0.05773 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 493 | 3.30 | 3.20 | 5.26400 | 46.5 | 0.05776 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 494 | 3.20 | 3.10 | 5.26679 | 46.5 | 0.05779 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 495 | 3.10 | 3.00 | 5.26959 | 46.4 | 0.05782 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 496 | 3.00 | 2.90 | 5.27238 | 46.4 | 0.05786 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 497 | 2.90 | 2.80 | 5.27517 | 46.4 | 0.05789 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 498 | 2.80 | 2.70 | 5.27797 | 46.4 | 0.05792 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 499 | 2.70 | 2.60 | 5.28076 | 46.3 | 0.05795 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 500 | 2.60 | 2.50 | 5.28355 | 46.3 | 0.05798 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 501 | 2.50 | 2.40 | 5.28635 | 46.3 | 0.05801 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 502 | 2.40 | 2.30 | 5.28914 | 46.3 | 0.05804 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 503 | 2.30 | 2.20 | 5.29193 | 46.2 | 0.05807 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 504 | 2.20 | 2.10 | 5.29473 | 46.2 | 0.05810 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 505 | 2.10 | 2.00 | 5.29752 | 46.2 | 0.05813 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 506 | 2.00 | 1.90 | 5.30031 | 46.2 | 0.05816 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 507 | 1.90 | 1.80 | 5.30311 | 46.1 | 0.05819 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 508 | 1.80 | 1.70 | 5.30590 | 46.1 | 0.05822 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 509 | 1.70 | 1.60 | 5.30869 | 46.1 | 0.05825 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 510 | 1.60 | 1.50 | 5.31149 | 46.1 | 0.05828 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 511 | 1.50 | 1.40 | 5.31428 | 46.1 | 0.05832 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 512 | 1.40 | 1.30 | 5.31707 | 46.0 | 0.05835 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 513 | 1.30 | 1.20 | 5.31987 | 46.0 | 0.05838 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 514 | 1.20 | 1.10 | 5.32266 | 46.0 | 0.05841 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 515 | 1.10 | 1.00 | 5.32545 | 46.0 | 0.05844 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 516 | 1.00 | 0.90 | 5.32825 | 45.9 | 0.05847 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| 517 | 0.90 | 0.80 | 5.33104 | 45.9 | 0.05850 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.058 |
| TOT | | | | | 1.47 | | | 665249.00 | 474500.00 | | | | | | |
| AVG | | | | 0.0574 | | | 1.40 | 65.00 | | | 91.13 | | | | |
| CUM | | | | | 120.51 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 445 | 8.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 446 | 7.900 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 447 | 7.800 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 448 | 7.700 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 449 | 7.600 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 450 | 7.500 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 451 | 7.400 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 452 | 7.300 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 453 | 7.200 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 454 | 7.100 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 455 | 7.000 | 7.27 | 0.70 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 456 | 6.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 457 | 6.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 458 | 6.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 459 | 6.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 460 | 6.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 461 | 6.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 462 | 6.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 463 | 6.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 464 | 6.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 465 | 6.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 466 | 5.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 467 | 5.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 468 | 5.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 469 | 5.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 470 | 5.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 471 | 5.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 472 | 5.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 473 | 5.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 474 | 5.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 5.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 4.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 4.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 4.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 4.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 4.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 4.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 4.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 4.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 4.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 4.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 3.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 3.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 3.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 3.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 3.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 3.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 3.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 3.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 3.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 3.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 2.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 2.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 2.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 2.600 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 2.500 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 2.400 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 2.300 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 2.200 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 2.100 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 2.000 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 1.900 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 1.800 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 1.700 | 7.27 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 1.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 1.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 1.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 1.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 1.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 1.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 1.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 0.900 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 0.800 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.57 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN $g/m^3$ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 445 | 8.000 | 32.30 | 0.00 | 0.00 | 0.00 | 5.67 | 7.86 | 0.00 | 7.86 | 0.00 | 2.79 | 0.11 | 0.00 | 2.90 | 0.00 | 37.89 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 446 | 7.900 | 32.30 | 0.00 | 0.00 | 0.00 | 5.70 | 7.85 | 0.00 | 7.85 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.78 | 0.00 | 0. | 0.00 |
| 447 | 7.800 | 32.30 | 0.00 | 0.00 | 0.00 | 5.72 | 7.84 | 0.00 | 7.84 | 0.00 | 2.79 | 0.11 | 0.00 | 2.89 | 0.00 | 37.67 | 0.00 | 0. | 0.00 |
| 448 | 7.700 | 32.30 | 0.00 | 0.00 | 0.00 | 5.75 | 7.82 | 0.00 | 7.82 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.56 | 0.00 | 0. | 0.00 |
| 449 | 7.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.77 | 7.81 | 0.00 | 7.81 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.45 | 0.00 | 0. | 0.00 |
| 450 | 7.500 | 32.30 | 0.00 | 0.00 | 0.00 | 5.79 | 7.80 | 0.00 | 7.80 | 0.00 | 2.78 | 0.11 | 0.00 | 2.89 | 0.00 | 37.34 | 0.00 | 0. | 0.00 |
| 451 | 7.400 | 32.30 | 0.00 | 0.00 | 0.00 | 5.82 | 7.78 | 0.00 | 7.78 | 0.00 | 2.78 | 0.11 | 0.00 | 2.88 | 0.00 | 37.23 | 0.00 | 0. | 0.00 |
| 452 | 7.300 | 32.30 | 0.00 | 0.00 | 0.00 | 5.84 | 7.77 | 0.00 | 7.77 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.12 | 0.00 | 0. | 0.00 |
| 453 | 7.200 | 32.30 | 0.00 | 0.00 | 0.00 | 5.86 | 7.76 | 0.00 | 7.76 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 37.01 | 0.00 | 0. | 0.00 |
| 454 | 7.100 | 32.30 | 0.00 | 0.00 | 0.00 | 5.88 | 7.75 | 0.00 | 7.75 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.90 | 0.00 | 0. | 0.00 |
| 455 | 7.000 | 32.30 | 0.00 | 0.00 | 0.00 | 5.90 | 7.73 | 0.00 | 7.73 | 0.00 | 2.77 | 0.11 | 0.00 | 2.88 | 0.00 | 36.79 | 0.00 | 0. | 0.00 |
| 456 | 6.900 | 32.30 | 0.00 | 0.00 | 0.00 | 5.92 | 7.72 | 0.00 | 7.72 | 0.00 | 2.76 | 0.11 | 0.00 | 2.88 | 0.00 | 36.68 | 0.00 | 0. | 0.00 |
| 457 | 6.800 | 32.30 | 0.00 | 0.00 | 0.00 | 5.94 | 7.71 | 0.00 | 7.71 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.58 | 0.00 | 0. | 0.00 |
| 458 | 6.700 | 32.30 | 0.00 | 0.00 | 0.00 | 5.96 | 7.70 | 0.00 | 7.70 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.47 | 0.00 | 0. | 0.00 |
| 459 | 6.600 | 32.30 | 0.00 | 0.00 | 0.00 | 5.98 | 7.68 | 0.00 | 7.68 | 0.00 | 2.76 | 0.11 | 0.00 | 2.87 | 0.00 | 36.36 | 0.00 | 0. | 0.00 |
| 460 | 6.500 | 32.30 | 0.00 | 0.00 | 0.00 | 5.99 | 7.67 | 0.00 | 7.67 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.25 | 0.00 | 0. | 0.00 |
| 461 | 6.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.01 | 7.66 | 0.00 | 7.66 | 0.00 | 2.75 | 0.11 | 0.00 | 2.87 | 0.00 | 36.14 | 0.00 | 0. | 0.00 |
| 462 | 6.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.03 | 7.65 | 0.00 | 7.65 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 36.03 | 0.00 | 0. | 0.00 |
| 463 | 6.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.05 | 7.63 | 0.00 | 7.63 | 0.00 | 2.75 | 0.12 | 0.00 | 2.86 | 0.00 | 35.92 | 0.00 | 0. | 0.00 |
| 464 | 6.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.06 | 7.62 | 0.00 | 7.62 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.81 | 0.00 | 0. | 0.00 |
| 465 | 6.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.08 | 7.61 | 0.00 | 7.61 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.70 | 0.00 | 0. | 0.00 |
| 466 | 5.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.09 | 7.60 | 0.00 | 7.60 | 0.00 | 2.74 | 0.12 | 0.00 | 2.86 | 0.00 | 35.59 | 0.00 | 0. | 0.00 |
| 467 | 5.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.11 | 7.58 | 0.00 | 7.58 | 0.00 | 2.74 | 0.12 | 0.00 | 2.85 | 0.00 | 35.48 | 0.00 | 0. | 0.00 |
| 468 | 5.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.12 | 7.57 | 0.00 | 7.57 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.37 | 0.00 | 0. | 0.00 |
| 469 | 5.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.14 | 7.56 | 0.00 | 7.56 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.26 | 0.00 | 0. | 0.00 |
| 470 | 5.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.15 | 7.55 | 0.00 | 7.55 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.15 | 0.00 | 0. | 0.00 |
| 471 | 5.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.16 | 7.54 | 0.00 | 7.54 | 0.00 | 2.73 | 0.12 | 0.00 | 2.85 | 0.00 | 35.04 | 0.00 | 0. | 0.00 |
| 472 | 5.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.18 | 7.52 | 0.00 | 7.52 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.93 | 0.00 | 0. | 0.00 |
| 473 | 5.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.19 | 7.51 | 0.00 | 7.51 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.82 | 0.00 | 0. | 0.00 |
| 474 | 5.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.20 | 7.50 | 0.00 | 7.50 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.71 | 0.00 | 0. | 0.00 |
| 475 | 5.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.21 | 7.49 | 0.00 | 7.49 | 0.00 | 2.72 | 0.12 | 0.00 | 2.84 | 0.00 | 34.60 | 0.00 | 0. | 0.00 |
| 476 | 4.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.22 | 7.48 | 0.00 | 7.48 | 0.00 | 2.71 | 0.12 | 0.00 | 2.84 | 0.00 | 34.49 | 0.00 | 0. | 0.00 |
| 477 | 4.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.23 | 7.46 | 0.00 | 7.46 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.38 | 0.00 | 0. | 0.00 |
| 478 | 4.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.24 | 7.45 | 0.00 | 7.45 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.27 | 0.00 | 0. | 0.00 |
| 479 | 4.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.26 | 7.44 | 0.00 | 7.44 | 0.00 | 2.71 | 0.12 | 0.00 | 2.83 | 0.00 | 34.16 | 0.00 | 0. | 0.00 |
| 480 | 4.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.27 | 7.43 | 0.00 | 7.43 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 34.05 | 0.00 | 0. | 0.00 |
| 481 | 4.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.27 | 7.42 | 0.00 | 7.42 | 0.00 | 2.70 | 0.12 | 0.00 | 2.83 | 0.00 | 33.95 | 0.00 | 0. | 0.00 |
| 482 | 4.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.28 | 7.40 | 0.00 | 7.40 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.84 | 0.00 | 0. | 0.00 |
| 483 | 4.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.29 | 7.39 | 0.00 | 7.39 | 0.00 | 2.70 | 0.12 | 0.00 | 2.82 | 0.00 | 33.73 | 0.00 | 0. | 0.00 |
| 484 | 4.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.30 | 7.38 | 0.00 | 7.38 | 0.00 | 2.70 | 0.13 | 0.00 | 2.82 | 0.00 | 33.62 | 0.00 | 0. | 0.00 |
| 485 | 4.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.31 | 7.37 | 0.00 | 7.37 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.51 | 0.00 | 0. | 0.00 |
| 486 | 3.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.32 | 7.36 | 0.00 | 7.36 | 0.00 | 2.69 | 0.13 | 0.00 | 2.82 | 0.00 | 33.40 | 0.00 | 0. | 0.00 |
| 487 | 3.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.33 | 7.35 | 0.00 | 7.35 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.29 | 0.00 | 0. | 0.00 |
| 488 | 3.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.33 | 7.33 | 0.00 | 7.33 | 0.00 | 2.69 | 0.13 | 0.00 | 2.81 | 0.00 | 33.18 | 0.00 | 0. | 0.00 |
| 489 | 3.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.34 | 7.32 | 0.00 | 7.32 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 33.07 | 0.00 | 0. | 0.00 |
| 490 | 3.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.35 | 7.31 | 0.00 | 7.31 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.96 | 0.00 | 0. | 0.00 |
| 491 | 3.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.35 | 7.30 | 0.00 | 7.30 | 0.00 | 2.68 | 0.13 | 0.00 | 2.81 | 0.00 | 32.85 | 0.00 | 0. | 0.00 |
| 492 | 3.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.36 | 7.29 | 0.00 | 7.29 | 0.00 | 2.68 | 0.13 | 0.00 | 2.80 | 0.00 | 32.74 | 0.00 | 0. | 0.00 |
| 493 | 3.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.37 | 7.28 | 0.00 | 7.28 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.63 | 0.00 | 0. | 0.00 |
| 494 | 3.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.37 | 7.27 | 0.00 | 7.27 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.52 | 0.00 | 0. | 0.00 |
| 495 | 3.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.38 | 7.25 | 0.00 | 7.25 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.41 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 496 | 2.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.38 | 7.24 | 0.00 | 7.24 | 0.00 | 2.67 | 0.13 | 0.00 | 2.80 | 0.00 | 32.30 | 0.00 | 0. | 0.00 |
| 497 | 2.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 7.23 | 0.00 | 7.23 | 0.00 | 2.66 | 0.13 | 0.00 | 2.80 | 0.00 | 32.19 | 0.00 | 0. | 0.00 |
| 498 | 2.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 7.22 | 0.00 | 7.22 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 32.08 | 0.00 | 0. | 0.00 |
| 499 | 2.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.40 | 7.21 | 0.00 | 7.21 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.97 | 0.00 | 0. | 0.00 |
| 500 | 2.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.40 | 7.20 | 0.00 | 7.20 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.86 | 0.00 | 0. | 0.00 |
| 501 | 2.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.19 | 0.00 | 7.19 | 0.00 | 2.66 | 0.13 | 0.00 | 2.79 | 0.00 | 31.75 | 0.00 | 0. | 0.00 |
| 502 | 2.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.18 | 0.00 | 7.18 | 0.00 | 2.65 | 0.13 | 0.00 | 2.79 | 0.00 | 31.64 | 0.00 | 0. | 0.00 |
| 503 | 2.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 7.17 | 0.00 | 7.17 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.53 | 0.00 | 0. | 0.00 |
| 504 | 2.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.15 | 0.00 | 7.15 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.42 | 0.00 | 0. | 0.00 |
| 505 | 2.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.14 | 0.00 | 7.14 | 0.00 | 2.65 | 0.13 | 0.00 | 2.78 | 0.00 | 31.32 | 0.00 | 0. | 0.00 |
| 506 | 1.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.13 | 0.00 | 7.13 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.21 | 0.00 | 0. | 0.00 |
| 507 | 1.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 7.12 | 0.00 | 7.12 | 0.00 | 2.64 | 0.13 | 0.00 | 2.78 | 0.00 | 31.10 | 0.00 | 0. | 0.00 |
| 508 | 1.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.11 | 0.00 | 7.11 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.99 | 0.00 | 0. | 0.00 |
| 509 | 1.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.10 | 0.00 | 7.10 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.88 | 0.00 | 0. | 0.00 |
| 510 | 1.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.09 | 0.00 | 7.09 | 0.00 | 2.64 | 0.13 | 0.00 | 2.77 | 0.00 | 30.77 | 0.00 | 0. | 0.00 |
| 511 | 1.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.08 | 0.00 | 7.08 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.66 | 0.00 | 0. | 0.00 |
| 512 | 1.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 7.07 | 0.00 | 7.07 | 0.00 | 2.63 | 0.13 | 0.00 | 2.77 | 0.00 | 30.55 | 0.00 | 0. | 0.00 |
| 513 | 1.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.06 | 0.00 | 7.06 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.44 | 0.00 | 0. | 0.00 |
| 514 | 1.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.05 | 0.00 | 7.05 | 0.00 | 2.63 | 0.14 | 0.00 | 2.76 | 0.00 | 30.33 | 0.00 | 0. | 0.00 |
| 515 | 1.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.03 | 0.00 | 7.03 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.22 | 0.00 | 0. | 0.00 |
| 516 | 0.900 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.02 | 0.00 | 7.02 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.11 | 0.00 | 0. | 0.00 |
| 517 | 0.800 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 2.76 | 0.00 | 30.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Station 935 LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
REACH NO. 16 Pipeline Canal to Corasaw conf. TMDL Simulation for Lake Penchant and Bayou Penchant mode

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | UPR RCH | 5.33104 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.01 | 0.00 | 7.01 | 0.00 | 2.62 | 0.14 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00319 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 10.00 | 0.00 | | | 0.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.80 | 0.70 | 5.33423 | 45.9 | 0.05853 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 519 | 0.70 | 0.60 | 5.33741 | 45.9 | 0.05857 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 520 | 0.60 | 0.50 | 5.34060 | 45.8 | 0.05860 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 521 | 0.50 | 0.40 | 5.34379 | 45.8 | 0.05864 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 522 | 0.40 | 0.30 | 5.34698 | 45.8 | 0.05867 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 523 | 0.30 | 0.20 | 5.35016 | 45.7 | 0.05871 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 524 | 0.20 | 0.10 | 5.35335 | 45.7 | 0.05874 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| 525 | 0.10 | 0.00 | 5.35654 | 45.7 | 0.05878 | 0.02 | 1.40 | 65.00 | 9113.00 | 6500.00 | 91.13 | 0.00 | 0.000 | 0.100 | 0.059 |
| TOT | | | | | 0.16 | | | 72904.00 | 52000.00 | | | | | | |
| AVG | | | | 0.0587 | | 1.40 | 65.00 | | | | 91.13 | | | | |
| CUM | | | | | 120.67 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | ABOD#2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORGN DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE * | SRCE PROD ** | PROD PROD ** | DENIT DECAY 1/da | PO4 DECAY 1/da | ALG SETT 1/da | MAC | COLI | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.700 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.57 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 519 | 0.600 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 520 | 0.500 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 0.400 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 0.300 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 0.200 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 0.100 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 0.000 | 7.27 | 0.72 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 3.25 | 3.25 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.57 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 0.02 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN mg/L | PHOS µg/L | CHL A g/m³ | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 0.700 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 7.00 | 0.00 | 7.00 | 0.00 | 2.62 | 0.14 | 0.00 | 2.75 | 0.00 | 29.25 | 0.00 | 0. | 0.00 |
| 519 | 0.600 | 32.30 | 0.00 | 0.00 | 0.00 | 6.44 | 6.99 | 0.00 | 6.99 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 28.50 | 0.00 | 0. | 0.00 |
| 520 | 0.500 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 6.98 | 0.00 | 6.98 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.75 | 0.00 | 0. | 0.00 |
| 521 | 0.400 | 32.30 | 0.00 | 0.00 | 0.00 | 6.43 | 6.97 | 0.00 | 6.97 | 0.00 | 2.61 | 0.14 | 0.00 | 2.75 | 0.00 | 27.00 | 0.00 | 0. | 0.00 |
| 522 | 0.300 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 6.96 | 0.00 | 6.96 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 26.25 | 0.00 | 0. | 0.00 |
| 523 | 0.200 | 32.30 | 0.00 | 0.00 | 0.00 | 6.42 | 6.95 | 0.00 | 6.95 | 0.00 | 2.61 | 0.14 | 0.00 | 2.74 | 0.00 | 25.50 | 0.00 | 0. | 0.00 |
| 524 | 0.100 | 32.30 | 0.00 | 0.00 | 0.00 | 6.41 | 6.94 | 0.00 | 6.94 | 0.00 | 2.60 | 0.14 | 0.00 | 2.74 | 0.00 | 24.75 | 0.00 | 0. | 0.00 |
| 525 | 0.000 | 32.30 | 0.00 | 0.00 | 0.00 | 6.39 | 6.98 | 0.00 | 6.98 | 0.00 | 2.59 | 0.14 | 0.00 | 2.73 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
Station 935 TMDL Simulation for Lake Penchant and Bayou Penchant mode

TRAVEL TIME = 120.67 DAYS
MAXIMUM EFFLUENT = 47.97 PERCENT
FLOW = 0.03776 TO 6.84793 m³/s
DISPERSION = 0.0000 TO 0.3000 m²/s
VELOCITY = 0.00006 TO 0.06784 m/s
DEPTH = 1.40 TO 1.77 m
WIDTH = 35.00 TO ****** m
BOD DECAY = 0.08 TO 0.09 per day
NH3 DECAY = 0.23 TO 0.38 per day
SOD = 1.20 TO 5.78 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.48 TO 0.76 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 31.00 TO 32.30 deg C
DISSOLVED OXYGEN = 5.03 TO 7.04 mg/L

LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments
TMDL Simulation for Lake Penchant and Bayou Penchant mode
REACH SUMMARY REPORT FOR Bayou Chene

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Bayou Chene to Blackbird Bayou | 35.10 | 31.80 | 3.30 | 0.30 | 17.18667 | 0.12803 | 1.000 | 135.00 | 606.861 | 0.420 | 3.281 | 442.93 |
| 2 | Blackbird Bayou to 120401-G | 31.80 | 19.10 | 12.70 | 0.95 | 16.98659 | 0.15532 | 1.000 | 110.00 | 599.796 | 0.510 | 3.281 | 360.91 |
| 3 | 120401-G to Turtle Bayou | 19.10 | 13.90 | 5.20 | 0.73 | 13.02979 | 0.08250 | 1.768 | 90.00 | 460.082 | 0.271 | 5.801 | 295.29 |
| 4 | Turtle Bayou to Carenero Bayou | 13.90 | 9.90 | 4.00 | 0.87 | 14.52880 | 0.05337 | 1.768 | 155.00 | 513.012 | 0.175 | 5.801 | 508.55 |
| 5 | Carenero Bayou to un canal 2 | 9.90 | 3.60 | 6.30 | 2.22 | 5.11729 | 0.03277 | 1.768 | 90.00 | 180.692 | 0.108 | 5.801 | 295.29 |
| 6 | un canal 2 to Corasaw conf. | 3.60 | 0.60 | 3.00 | 1.35 | 4.91729 | 0.02578 | 1.768 | 110.00 | 173.630 | 0.085 | 5.801 | 360.91 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Corasaw conf. to 120401-C | | | | | | | 0.60 | 0.00 | 0.60 | 0.08 | 10.27383 | 0.08327 | 1.402 | 88.00 | 362.769 | 0.273 | 4.600 | 288.73 | | | | | | | | | | | | |

LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

TMDL Simulation for Lake Penchant and Bayou Penchant mode

REACH SUMMARY REPORT FOR Station 935

| RCH NO. | REACH NAME | BEGIN DIST | ENDING DIST | REACH LENGTH | TRAVEL TIME | FLOW AT EOR | AVERAGE VELO | AVG DEPTH | AVG WIDTH | FLOW AT EOR | AVERAGE VELO | AVG DEPTH | AVG WIDTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | km | km | km | days | m3/s | m/s | m | m | cfs | fps | ft | ft |
| 7 | 935 to Peoples Canal and L.P | 18.00 | 15.80 | 2.20 | 41.73 | 0.03776 | 0.00061 | 1.768 | 35.00 | 1.333 | 0.002 | 5.801 | 114.83 |
| 8 | Peoples C. and L.P to N. Outlet | 15.80 | 14.90 | 0.90 | 64.77 | 1.57536 | 0.00016 | 1.768 | 2131.00 | 55.626 | 0.001 | 5.801 | 6991.81 |
| 9 | N. Outlet to L. Penchant W. Sid | 14.90 | 13.60 | 1.30 | 10.39 | 3.56316 | 0.00145 | 1.768 | 983.00 | 125.815 | 0.005 | 5.801 | 3225.22 |
| 10 | L. P. W. Side to L. P W. Outlet | 13.60 | 12.70 | 0.90 | 0.76 | 3.56316 | 0.01362 | 1.768 | 148.00 | 125.815 | 0.045 | 5.801 | 485.59 |
| 11 | L. P W. Outlet to Superior Cana | 12.70 | 10.80 | 1.90 | 0.67 | 3.56316 | 0.03304 | 1.768 | 61.00 | 125.815 | 0.108 | 5.801 | 200.14 |
| 12 | Superior Canal to un canal 1 | 10.80 | 9.50 | 1.30 | 0.43 | 3.56316 | 0.03530 | 1.402 | 72.00 | 125.815 | 0.116 | 4.600 | 236.23 |
| 13 | unnamed canal to Brady C/Weir 2 | 9.50 | 9.30 | 0.20 | 0.03 | 6.84793 | 0.06784 | 1.402 | 72.00 | 241.800 | 0.223 | 4.600 | 236.23 |
| 14 | Brady C/Weir 2 to Km# | 9.30 | 8.10 | 1.20 | 0.27 | 5.12713 | 0.05212 | 1.402 | 70.00 | 181.039 | 0.171 | 4.600 | 229.67 |
| 15 | Km# to Pipeline Canal | 8.10 | 0.80 | 7.30 | 1.47 | 5.33104 | 0.05739 | 1.402 | 65.00 | 188.239 | 0.188 | 4.600 | 213.26 |
| 16 | Pipeline Canal to Corasaw conf. | 0.80 | 0.00 | 0.80 | 0.16 | 5.35654 | 0.05866 | 1.402 | 65.00 | 189.139 | 0.192 | 4.600 | 213.26 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9314. | 0. | -9302. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -68. | 0. | 0. | 0. | 79. | 0. | 0. | -9427.8 | 9427.7 | 0.00 |
| 2 | 9302. | 0. | -9291. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -68. | 0. | 0. | 0. | 80. | 0. | 0. | -9416.7 | 9416.7 | 0.00 |
| 3 | 9291. | 0. | -9280. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9405.9 | 9405.9 | 0.00 |
| 4 | 9280. | 0. | -9269. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 28. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9395.2 | 9395.2 | 0.00 |
| 5 | 9269. | 0. | -9259. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9384.8 | 9384.8 | 0.00 |
| 6 | 9259. | 0. | -9248. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 80. | 0. | 0. | -9374.5 | 9374.5 | 0.00 |
| 7 | 9248. | 0. | -9238. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9364.5 | 9364.5 | 0.00 |
| 8 | 9238. | 0. | -9228. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9354.6 | 9354.6 | 0.00 |
| 9 | 9228. | 0. | -9218. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9344.9 | 9344.9 | 0.00 |
| 10 | 9218. | 0. | -9209. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 81. | 0. | 0. | -9335.4 | 9335.4 | 0.00 |
| 11 | 9209. | 0. | -9199. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9326.0 | 9326.0 | 0.00 |
| 12 | 9199. | 0. | -9190. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9316.8 | 9316.8 | 0.00 |
| 13 | 9190. | 0. | -9181. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9307.8 | 9307.8 | 0.00 |
| 14 | 9181. | 0. | -9172. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -69. | 0. | 0. | 0. | 82. | 0. | 0. | -9299.0 | 9299.0 | 0.00 |
| 15 | 9172. | 0. | -9163. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9290.3 | 9290.3 | 0.00 |
| 16 | 9163. | 0. | -9154. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9281.8 | 9281.8 | 0.00 |
| 17 | 9154. | 0. | -9146. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9273.5 | 9273.5 | 0.00 |
| 18 | 9146. | 0. | -9138. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 83. | 0. | 0. | -9265.3 | 9265.3 | 0.00 |
| 19 | 9138. | 0. | -9130. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9257.3 | 9257.3 | 0.00 |
| 20 | 9130. | 0. | -9122. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9249.4 | 9249.4 | 0.00 |
| 21 | 9122. | 0. | -9114. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9241.7 | 9241.7 | 0.00 |
| 22 | 9114. | 0. | -9106. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 84. | 0. | 0. | -9234.1 | 9234.1 | 0.00 |
| 23 | 9106. | 0. | -9099. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9226.7 | 9226.7 | 0.00 |
| 24 | 9099. | 0. | -9091. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -44. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9219.4 | 9219.4 | 0.00 |
| 25 | 9091. | 0. | -9084. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9212.3 | 9212.3 | 0.00 |
| 26 | 9084. | 0. | -9077. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 85. | 0. | 0. | -9205.3 | 9205.3 | 0.00 |
| 27 | 9077. | 0. | -9070. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -70. | 0. | 0. | 0. | 86. | 0. | 0. | -9198.5 | 9198.5 | 0.00 |
| 28 | 9070. | 0. | -9063. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9191.8 | 9191.8 | 0.00 |
| 29 | 9063. | 0. | -9056. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9185.2 | 9185.2 | 0.00 |
| 30 | 9056. | 0. | -9050. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 86. | 0. | 0. | -9178.7 | 9178.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 9050. | 0. | -9043. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9172.4 | 9172.4 | 0.00 |
| 32 | 9043. | 0. | -9037. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9166.3 | 9166.3 | 0.00 |
| 33 | 9037. | 0. | -9031. | 0. | 0. | 0. | 7. | -11. | 0. | 0. | 0. | 29. | -45. | -2. | 0. | 0. | -71. | 0. | 0. | 0. | 87. | 0. | 0. | -9160.2 | 9160.2 | 0.00 |
| 34 | 9031. | 0. | -9023. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9145.7 | 9145.7 | 0.00 |
| 35 | 9023. | 0. | -9015. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9138.0 | 9138.0 | 0.00 |
| 36 | 9015. | 0. | -9008. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9130.4 | 9130.4 | 0.00 |
| 37 | 9008. | 0. | -9000. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9122.8 | 9122.8 | 0.00 |
| 38 | 9000. | 0. | -8992. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9115.2 | 9115.2 | 0.00 |
| 39 | 8992. | 0. | -8985. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9107.7 | 9107.7 | 0.00 |
| 40 | 8985. | 0. | -8977. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9100.2 | 9100.2 | 0.00 |
| 41 | 8977. | 0. | -8969. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -37. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9092.7 | 9092.7 | 0.00 |
| 42 | 8969. | 0. | -8962. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9085.2 | 9085.2 | 0.00 |
| 43 | 8962. | 0. | -8954. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 27. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9077.8 | 9077.8 | 0.00 |
| 44 | 8954. | 0. | -8947. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9070.4 | 9070.4 | 0.00 |
| 45 | 8947. | 0. | -8939. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9063.1 | 9063.1 | 0.00 |
| 46 | 8939. | 0. | -8932. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9055.8 | 9055.8 | 0.00 |
| 47 | 8932. | 0. | -8925. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9048.5 | 9048.5 | 0.00 |
| 48 | 8925. | 0. | -8917. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 71. | 0. | 0. | -9041.2 | 9041.2 | 0.00 |
| 49 | 8917. | 0. | -8910. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9034.0 | 9034.0 | 0.00 |
| 50 | 8910. | 0. | -8903. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -38. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9026.8 | 9026.8 | 0.00 |
| 51 | 8903. | 0. | -8895. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9019.6 | 9019.6 | 0.00 |
| 52 | 8895. | 0. | -8888. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9012.5 | 9012.5 | 0.00 |
| 53 | 8888. | 0. | -8881. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -9005.3 | 9005.3 | 0.00 |
| 54 | 8881. | 0. | -8874. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 28. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8998.3 | 8998.3 | 0.00 |
| 55 | 8874. | 0. | -8867. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8991.2 | 8991.2 | 0.00 |
| 56 | 8867. | 0. | -8859. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8984.2 | 8984.2 | 0.00 |
| 57 | 8859. | 0. | -8852. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8977.2 | 8977.2 | 0.00 |
| 58 | 8852. | 0. | -8845. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8970.2 | 8970.2 | 0.00 |
| 59 | 8845. | 0. | -8838. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -39. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8963.3 | 8963.3 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 8838. | 0. | -8831. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8956.4 | 8956.4 | 0.00 |
| 61 | 8831. | 0. | -8824. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8949.5 | 8949.5 | 0.00 |
| 62 | 8824. | 0. | -8817. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8942.7 | 8942.7 | 0.00 |
| 63 | 8817. | 0. | -8810. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8935.9 | 8935.9 | 0.00 |
| 64 | 8810. | 0. | -8804. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8929.1 | 8929.1 | 0.00 |
| 65 | 8804. | 0. | -8797. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8922.3 | 8922.3 | 0.00 |
| 66 | 8797. | 0. | -8790. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 29. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8915.6 | 8915.6 | 0.00 |
| 67 | 8790. | 0. | -8783. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8908.9 | 8908.9 | 0.00 |
| 68 | 8783. | 0. | -8776. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -40. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8902.2 | 8902.2 | 0.00 |
| 69 | 8776. | 0. | -8770. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8895.6 | 8895.6 | 0.00 |
| 70 | 8770. | 0. | -8763. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8889.0 | 8889.0 | 0.00 |
| 71 | 8763. | 0. | -8756. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8882.4 | 8882.4 | 0.00 |
| 72 | 8756. | 0. | -8750. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8875.8 | 8875.8 | 0.00 |
| 73 | 8750. | 0. | -8743. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8869.3 | 8869.3 | 0.00 |
| 74 | 8743. | 0. | -8736. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8862.8 | 8862.8 | 0.00 |
| 75 | 8736. | 0. | -8730. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 72. | 0. | 0. | -8856.3 | 8856.3 | 0.00 |
| 76 | 8730. | 0. | -8723. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8849.9 | 8849.9 | 0.00 |
| 77 | 8723. | 0. | -8717. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8843.5 | 8843.5 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 8717. | 0. | -8710. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 30. | -41. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8837.1 | 8837.1 | 0.00 |
| 79 | 8710. | 0. | -8704. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8830.7 | 8830.7 | 0.00 |
| 80 | 8704. | 0. | -8697. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8824.4 | 8824.4 | 0.00 |
| 81 | 8697. | 0. | -8691. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8818.1 | 8818.1 | 0.00 |
| 82 | 8691. | 0. | -8685. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8811.8 | 8811.8 | 0.00 |
| 83 | 8685. | 0. | -8678. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8805.6 | 8805.6 | 0.00 |
| 84 | 8678. | 0. | -8672. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8799.3 | 8799.3 | 0.00 |
| 85 | 8672. | 0. | -8666. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8793.2 | 8793.1 | 0.00 |
| 86 | 8666. | 0. | -8660. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8787.0 | 8787.0 | 0.00 |
| 87 | 8660. | 0. | -8653. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8780.8 | 8780.8 | 0.00 |
| 88 | 8653. | 0. | -8647. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -42. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8774.7 | 8774.7 | 0.00 |
| 89 | 8647. | 0. | -8641. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8768.6 | 8768.6 | 0.00 |
| 90 | 8641. | 0. | -8635. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8762.6 | 8762.6 | 0.00 |
| 91 | 8635. | 0. | -8629. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 31. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8756.6 | 8756.6 | 0.00 |
| 92 | 8629. | 0. | -8623. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8750.5 | 8750.5 | 0.00 |
| 93 | 8623. | 0. | -8617. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8744.6 | 8744.6 | 0.00 |
| 94 | 8617. | 0. | -8611. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8738.6 | 8738.6 | 0.00 |
| 95 | 8611. | 0. | -8605. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8732.7 | 8732.7 | 0.00 |
| 96 | 8605. | 0. | -8599. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8726.8 | 8726.8 | 0.00 |
| 97 | 8599. | 0. | -8593. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8720.9 | 8720.9 | 0.00 |
| 98 | 8593. | 0. | -8587. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -43. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8715.1 | 8715.1 | 0.00 |
| 99 | 8587. | 0. | -8581. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8709.2 | 8709.3 | 0.00 |
| 100 | 8581. | 0. | -8575. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8703.5 | 8703.5 | 0.00 |
| 101 | 8575. | 0. | -8569. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8697.7 | 8697.7 | 0.00 |
| 102 | 8569. | 0. | -8563. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 73. | 0. | 0. | -8691.9 | 8691.9 | 0.00 |
| 103 | 8563. | 0. | -8557. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8686.2 | 8686.2 | 0.00 |
| 104 | 8557. | 0. | -8552. | 0. | 0. | 0. | 17. | -21. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8680.5 | 8680.5 | 0.00 |
| 105 | 8552. | 0. | -8546. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 32. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8674.9 | 8674.9 | 0.00 |
| 106 | 8546. | 0. | -8540. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8669.2 | 8669.2 | 0.00 |
| 107 | 8540. | 0. | -8534. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8663.6 | 8663.6 | 0.00 |
| 108 | 8534. | 0. | -8529. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8658.0 | 8658.0 | 0.00 |
| 109 | 8529. | 0. | -8523. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -44. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8652.5 | 8652.5 | 0.00 |
| 110 | 8523. | 0. | -8518. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8646.9 | 8646.9 | 0.00 |
| 111 | 8518. | 0. | -8512. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8641.4 | 8641.4 | 0.00 |
| 112 | 8512. | 0. | -8506. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8635.9 | 8635.9 | 0.00 |
| 113 | 8506. | 0. | -8501. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8630.5 | 8630.5 | 0.00 |
| 114 | 8501. | 0. | -8495. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8625.0 | 8625.0 | 0.00 |
| 115 | 8495. | 0. | -8490. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8619.6 | 8619.6 | 0.00 |
| 116 | 8490. | 0. | -8484. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8614.2 | 8614.2 | 0.00 |
| 117 | 8484. | 0. | -8479. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8608.8 | 8608.8 | 0.00 |
| 118 | 8479. | 0. | -8474. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8603.5 | 8603.5 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 8474. | 0. | -8468. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8598.2 | 8598.2 | 0.00 |
| 120 | 8468. | 0. | -8463. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 33. | -45. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8592.9 | 8592.9 | 0.00 |
| 121 | 8463. | 0. | -8457. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8587.6 | 8587.6 | 0.00 |
| 122 | 8457. | 0. | -8452. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8582.4 | 8582.4 | 0.00 |
| 123 | 8452. | 0. | -8447. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8577.2 | 8577.2 | 0.00 |
| 124 | 8447. | 0. | -8442. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8572.0 | 8572.0 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 8442. | 0. | -8436. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8566.8 | 8566.8 | 0.00 |
| 126 | 8436. | 0. | -8431. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8561.7 | 8561.7 | 0.00 |
| 127 | 8431. | 0. | -8426. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8556.5 | 8556.5 | 0.00 |
| 128 | 8426. | 0. | -8421. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8551.4 | 8551.4 | 0.00 |
| 129 | 8421. | 0. | -8416. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 74. | 0. | 0. | -8546.4 | 8546.4 | 0.00 |
| 130 | 8416. | 0. | -8410. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8541.3 | 8541.3 | 0.00 |
| 131 | 8410. | 0. | -8405. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8536.3 | 8536.3 | 0.00 |
| 132 | 8405. | 0. | -8400. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -46. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8531.3 | 8531.3 | 0.00 |
| 133 | 8400. | 0. | -8395. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8526.3 | 8526.3 | 0.00 |
| 134 | 8395. | 0. | -8390. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8521.3 | 8521.3 | 0.00 |
| 135 | 8390. | 0. | -8385. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8516.4 | 8516.4 | 0.00 |
| 136 | 8385. | 0. | -8380. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 34. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8511.5 | 8511.5 | 0.00 |
| 137 | 8380. | 0. | -8375. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8506.6 | 8506.6 | 0.00 |
| 138 | 8375. | 0. | -8370. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8501.7 | 8501.7 | 0.00 |
| 139 | 8370. | 0. | -8365. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8496.9 | 8496.9 | 0.00 |
| 140 | 8365. | 0. | -8360. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8492.1 | 8492.1 | 0.00 |
| 141 | 8360. | 0. | -8356. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8487.3 | 8487.3 | 0.00 |
| 142 | 8356. | 0. | -8351. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8482.5 | 8482.5 | 0.00 |
| 143 | 8351. | 0. | -8346. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8477.7 | 8477.7 | 0.00 |
| 144 | 8346. | 0. | -8341. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -47. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8473.0 | 8473.0 | 0.00 |
| 145 | 8341. | 0. | -8336. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8468.3 | 8468.3 | 0.00 |
| 146 | 8336. | 0. | -8332. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8463.6 | 8463.6 | 0.00 |
| 147 | 8332. | 0. | -8327. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8459.0 | 8459.0 | 0.00 |
| 148 | 8327. | 0. | -8322. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8454.3 | 8454.3 | 0.00 |
| 149 | 8322. | 0. | -8317. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8449.7 | 8449.7 | 0.00 |
| 150 | 8317. | 0. | -8313. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8445.1 | 8445.1 | 0.00 |
| 151 | 8313. | 0. | -8308. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8440.5 | 8440.5 | 0.00 |
| 152 | 8308. | 0. | -8304. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8436.0 | 8436.0 | 0.00 |
| 153 | 8304. | 0. | -8299. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8431.4 | 8431.4 | 0.00 |
| 154 | 8299. | 0. | -8294. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 35. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8426.9 | 8426.9 | 0.00 |
| 155 | 8294. | 0. | -8290. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 75. | 0. | 0. | -8422.4 | 8422.4 | 0.00 |
| 156 | 8290. | 0. | -8285. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8418.0 | 8418.0 | 0.00 |
| 157 | 8285. | 0. | -8281. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -48. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8413.5 | 8413.5 | 0.00 |
| 158 | 8281. | 0. | -8276. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8409.1 | 8409.1 | 0.00 |
| 159 | 8276. | 0. | -8272. | 0. | 0. | 0. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8404.7 | 8404.7 | 0.00 |
| 160 | 8272. | 0. | -8270. | 0. | 0. | 2. | 17. | -20. | 0. | 0. | 0. | 36. | -49. | -2. | 0. | 0. | -62. | 0. | 0. | 0. | 76. | 0. | 0. | -8402.5 | 8402.5 | 0.00 |
| 161 | 8270. | 0. | -6489. | -2. | 0. | 3. | 4. | -7. | 0. | 0. | -1843. | 16. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 109. | 0. | 0. | -8401.5 | 8401.5 | 0.00 |
| 162 | 6489. | 0. | -6550. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 15. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 108. | 0. | 0. | -6619.8 | 6619.7 | 0.00 |
| 163 | 6550. | 0. | -6609. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 15. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 108. | 0. | 0. | -6679.4 | 6679.4 | 0.00 |
| 164 | 6609. | 0. | -6668. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 14. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 107. | 0. | 0. | -6737.9 | 6737.9 | 0.00 |
| 165 | 6668. | 0. | -6726. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 14. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 107. | 0. | 0. | -6795.5 | 6795.5 | 0.00 |
| 166 | 6726. | 0. | -6782. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 13. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 106. | 0. | 0. | -6851.9 | 6851.9 | 0.00 |
| 167 | 6782. | 0. | -6838. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 13. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 106. | 0. | 0. | -6907.4 | 6907.4 | 0.00 |
| 168 | 6838. | 0. | -6892. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 12. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 105. | 0. | 0. | -6961.8 | 6961.8 | 0.00 |
| 169 | 6892. | 0. | -6945. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 12. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 105. | 0. | 0. | -7015.3 | 7015.3 | 0.00 |
| 170 | 6945. | 0. | -6998. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 11. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 104. | 0. | 0. | -7067.7 | 7067.7 | 0.00 |
| 171 | 6998. | 0. | -7049. | -3. | 0. | 3. | 4. | -7. | 0. | 0. | 0. | 11. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 104. | 0. | 0. | -7119.1 | 7119.1 | 0.00 |
| 172 | 7049. | 0. | -7100. | -3. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 103. | 0. | 0. | -7169.6 | 7169.6 | -0.01 |
| 173 | 7100. | 0. | -7149. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 103. | 0. | 0. | -7219.1 | 7219.1 | 0.00 |
| 174 | 7149. | 0. | -7198. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 10. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 102. | 0. | 0. | -7267.6 | 7267.6 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 175 | 7198. | 0. | -7246. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 9. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 102. | 0. | 0. | -7315.2 | 7315.2 | 0.00 |
| 176 | 7246. | 0. | -7292. | -2. | 0. | 2. | 4. | -7. | 0. | 0. | 0. | 9. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 101. | 0. | 0. | -7361.8 | 7361.8 | -0.01 |
| 177 | 7292. | 0. | -7338. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 100. | 0. | 0. | -7407.5 | 7407.5 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP OUT | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | 7338. | 0. | -7383. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -29. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 100. | 0. | 0. | -7452.2 | 7452.2 | -0.01 |
| 179 | 7383. | 0. | -7427. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 8. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 99. | 0. | 0. | -7496.1 | 7496.1 | -0.01 |
| 180 | 7427. | 0. | -7470. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 7. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 99. | 0. | 0. | -7539.0 | 7539.0 | -0.01 |
| 181 | 7470. | 0. | -7512. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 7. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 98. | 0. | 0. | -7581.0 | 7581.0 | -0.01 |
| 182 | 7512. | 0. | -7553. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 98. | 0. | 0. | -7622.2 | 7622.1 | -0.01 |
| 183 | 7553. | 0. | -7593. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 97. | 0. | 0. | -7662.4 | 7662.4 | -0.01 |
| 184 | 7593. | 0. | -7632. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 6. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 97. | 0. | 0. | -7701.8 | 7701.8 | -0.01 |
| 185 | 7632. | 0. | -7671. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 96. | 0. | 0. | -7740.3 | 7740.3 | -0.01 |
| 186 | 7671. | 0. | -7709. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 96. | 0. | 0. | -7777.9 | 7777.9 | 0.00 |
| 187 | 7709. | 0. | -7746. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 5. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 95. | 0. | 0. | -7814.7 | 7814.7 | -0.01 |
| 188 | 7746. | 0. | -7781. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 95. | 0. | 0. | -7850.6 | 7850.6 | -0.01 |
| 189 | 7781. | 0. | -7817. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 94. | 0. | 0. | -7885.7 | 7885.7 | -0.01 |
| 190 | 7817. | 0. | -7851. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 4. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 94. | 0. | 0. | -7920.0 | 7920.0 | -0.01 |
| 191 | 7851. | 0. | -7884. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 93. | 0. | 0. | -7953.4 | 7953.4 | -0.01 |
| 192 | 7884. | 0. | -7917. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 93. | 0. | 0. | -7986.0 | 7986.0 | -0.01 |
| 193 | 7917. | 0. | -7949. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 92. | 0. | 0. | -8017.9 | 8017.9 | -0.01 |
| 194 | 7949. | 0. | -7980. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 3. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 92. | 0. | 0. | -8048.9 | 8048.9 | -0.01 |
| 195 | 7980. | 0. | -8010. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 91. | 0. | 0. | -8079.1 | 8079.1 | -0.01 |
| 196 | 8010. | 0. | -8040. | -2. | 0. | 2. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 90. | 0. | 0. | -8108.5 | 8108.5 | -0.01 |
| 197 | 8040. | 0. | -8068. | -2. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 90. | 0. | 0. | -8137.2 | 8137.2 | -0.01 |
| 198 | 8068. | 0. | -8096. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 2. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 89. | 0. | 0. | -8165.1 | 8165.1 | -0.01 |
| 199 | 8096. | 0. | -8124. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 89. | 0. | 0. | -8192.2 | 8192.2 | -0.01 |
| 200 | 8124. | 0. | -8150. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 88. | 0. | 0. | -8218.6 | 8218.6 | -0.01 |
| 201 | 8150. | 0. | -8176. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -28. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 88. | 0. | 0. | -8244.2 | 8244.2 | -0.01 |
| 202 | 8176. | 0. | -8201. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 87. | 0. | 0. | -8269.1 | 8269.1 | -0.01 |
| 203 | 8201. | 0. | -8225. | -1. | 0. | 1. | 4. | -8. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 87. | 0. | 0. | -8293.2 | 8293.2 | -0.01 |
| 204 | 8225. | 0. | -8248. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 86. | 0. | 0. | -8316.6 | 8316.6 | 0.00 |
| 205 | 8248. | 0. | -8271. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 86. | 0. | 0. | -8339.3 | 8339.3 | -0.01 |
| 206 | 8271. | 0. | -8293. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 85. | 0. | 0. | -8361.5 | 8361.5 | -0.01 |
| 207 | 8293. | 0. | -8314. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | 0. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 85. | 0. | 0. | -8382.9 | 8382.9 | -0.01 |
| 208 | 8314. | 0. | -8335. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 84. | 0. | 0. | -8403.7 | 8403.7 | -0.01 |
| 209 | 8335. | 0. | -8355. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 84. | 0. | 0. | -8423.7 | 8423.7 | -0.01 |
| 210 | 8355. | 0. | -8374. | -1. | 0. | 1. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 83. | 0. | 0. | -8443.0 | 8443.0 | -0.01 |
| 211 | 8374. | 0. | -8392. | -1. | 0. | 0. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 83. | 0. | 0. | -8461.0 | 8461.0 | -0.01 |
| 212 | 8392. | 0. | -8395. | 0. | 0. | -15. | 4. | -9. | 0. | 0. | 0. | -1. | -27. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 82. | 0. | 0. | -8478.0 | 8478.0 | -0.01 |
| 213 | 8395. | 0. | -9187. | 15. | 0. | 2. | 5. | -11. | 0. | 734. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 140. | 0. | 0. | -9293.1 | 9293.1 | -0.01 |
| 214 | 9187. | 0. | -9225. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 139. | 0. | 0. | -9334.3 | 9334.2 | -0.01 |
| 215 | 9225. | 0. | -9263. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 138. | 0. | 0. | -9371.4 | 9371.4 | -0.01 |
| 216 | 9263. | 0. | -9298. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 0. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 137. | 0. | 0. | -9407.1 | 9407.0 | -0.01 |
| 217 | 9298. | 0. | -9333. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | 0. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 135. | 0. | 0. | -9441.4 | 9441.4 | -0.01 |
| 218 | 9333. | 0. | -9365. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -42. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 134. | 0. | 0. | -9474.3 | 9474.3 | -0.01 |
| 219 | 9365. | 0. | -9397. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 133. | 0. | 0. | -9505.8 | 9505.8 | -0.01 |
| 220 | 9397. | 0. | -9426. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -1. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 132. | 0. | 0. | -9535.7 | 9535.7 | -0.01 |
| 221 | 9426. | 0. | -9455. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 131. | 0. | 0. | -9564.2 | 9564.1 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222 | 9455. | 0. | -9481. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 130. | 0. | 0. | -9591.1 | 9591.1 | -0.01 |
| 223 | 9481. | 0. | -9507. | -2. | 0. | 2. | 5. | -11. | 0. | 0. | 0. | -2. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 128. | 0. | 0. | -9616.7 | 9616.7 | -0.01 |
| 224 | 9507. | 0. | -9531. | -2. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 127. | 0. | 0. | -9640.8 | 9640.8 | -0.01 |
| 225 | 9531. | 0. | -9553. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 126. | 0. | 0. | -9663.5 | 9663.5 | -0.01 |
| 226 | 9553. | 0. | -9574. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 125. | 0. | 0. | -9684.8 | 9684.8 | -0.01 |
| 227 | 9574. | 0. | -9594. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -3. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 124. | 0. | 0. | -9704.7 | 9704.7 | -0.01 |
| 228 | 9594. | 0. | -9613. | -1. | 0. | 1. | 5. | -11. | 0. | 0. | 0. | -4. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 123. | 0. | 0. | -9723.3 | 9723.2 | -0.01 |
| 229 | 9613. | 0. | -9630. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -41. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 121. | 0. | 0. | -9740.4 | 9740.4 | -0.01 |
| 230 | 9630. | 0. | -9646. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 120. | 0. | 0. | -9756.3 | 9756.3 | -0.01 |
| 231 | 9646. | 0. | -9660. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 119. | 0. | 0. | -9770.9 | 9770.8 | -0.01 |
| 232 | 9660. | 0. | -9673. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -4. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 118. | 0. | 0. | -9784.1 | 9784.1 | -0.01 |
| 233 | 9673. | 0. | -9685. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 117. | 0. | 0. | -9796.0 | 9796.0 | -0.01 |
| 234 | 9685. | 0. | -9696. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 115. | 0. | 0. | -9806.7 | 9806.7 | -0.01 |
| 235 | 9696. | 0. | -9705. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 114. | 0. | 0. | -9816.1 | 9816.1 | -0.01 |
| 236 | 9705. | 0. | -9713. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 113. | 0. | 0. | -9824.3 | 9824.3 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN | UPTR | LOWR | UPMN | UPTR | LOWR | INCR | INCR | NONP | WSLD | WITH | REAE | BOD1 | NH3-N | ORG-N | NCM | SOD | SOD | SOD | SOD | ALG | ALG | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ADV | ADV | ADV | DISP | DISP | DISP | IN | OUT | IN | IN | OUT | IN | DECA | DECA | DECA | DECA | BKGD | BOD1 | ALG | NCM | PHOT | RESP | PHOT | OUT | IN |
| 237 | 9713. | 0. | -9720. | -1. | 0. | 1. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 112. | 0. | 0. | -9831.2 | 9831.2 | -0.01 |
| 238 | 9720. | 0. | -9726. | -1. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 111. | 0. | 0. | -9837.0 | 9836.9 | -0.01 |
| 239 | 9726. | 0. | -9731. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 110. | 0. | 0. | -9841.5 | 9841.5 | -0.01 |
| 240 | 9731. | 0. | -9734. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -40. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 108. | 0. | 0. | -9844.8 | 9844.8 | -0.01 |
| 241 | 9734. | 0. | -9736. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 107. | 0. | 0. | -9847.0 | 9846.9 | -0.01 |
| 242 | 9736. | 0. | -9737. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 106. | 0. | 0. | -9848.0 | 9847.9 | -0.01 |
| 243 | 9737. | 0. | -9737. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 105. | 0. | 0. | -9847.8 | 9847.8 | -0.01 |
| 244 | 9737. | 0. | -9736. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 104. | 0. | 0. | -9846.5 | 9846.5 | -0.01 |
| 245 | 9736. | 0. | -9734. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 102. | 0. | 0. | -9844.1 | 9844.1 | -0.01 |
| 246 | 9734. | 0. | -9731. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 101. | 0. | 0. | -9840.7 | 9840.7 | -0.01 |
| 247 | 9731. | 0. | -9726. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 100. | 0. | 0. | -9836.2 | 9836.2 | -0.01 |
| 248 | 9726. | 0. | -9721. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 99. | 0. | 0. | -9830.6 | 9830.6 | -0.01 |
| 249 | 9721. | 0. | -9714. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 98. | 0. | 0. | -9824.0 | 9824.0 | -0.01 |
| 250 | 9714. | 0. | -9706. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 97. | 0. | 0. | -9816.3 | 9816.3 | -0.01 |
| 251 | 9706. | 0. | -9698. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 95. | 0. | 0. | -9807.5 | 9807.5 | -0.01 |
| 252 | 9698. | 0. | -9688. | 0. | 0. | 0. | 5. | -12. | 0. | 0. | 0. | -5. | -39. | -5. | 0. | 0. | -49. | 0. | 0. | 0. | 94. | 0. | 0. | -9797.8 | 9797.8 | -0.01 |
| 253 | 9688. | 0. | -3542. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | -6140. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -9746.3 | 9746.3 | -0.01 |
| 254 | 3542. | 0. | -3536. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -3599.9 | 3599.9 | -0.01 |
| 255 | 3536. | 0. | -3529. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 54. | 0. | 0. | -3593.2 | 3593.2 | -0.01 |
| 256 | 3529. | 0. | -3522. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3586.2 | 3586.2 | -0.01 |
| 257 | 3522. | 0. | -3515. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3579.1 | 3579.1 | -0.01 |
| 258 | 3515. | 0. | -3508. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 53. | 0. | 0. | -3571.8 | 3571.8 | -0.01 |
| 259 | 3508. | 0. | -3501. | 0. | 0. | 0. | 3. | -7. | 0. | 0. | 0. | -3. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3564.3 | 3564.3 | -0.01 |
| 260 | 3501. | 0. | -3493. | 0. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3556.7 | 3556.7 | -0.01 |
| 261 | 3493. | 0. | -3486. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 52. | 0. | 0. | -3548.9 | 3548.9 | -0.01 |
| 262 | 3486. | 0. | -3478. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3540.9 | 3540.9 | -0.01 |
| 263 | 3478. | 0. | -3470. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -22. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3532.7 | 3532.7 | -0.01 |
| 264 | 3470. | 0. | -3462. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 51. | 0. | 0. | -3524.4 | 3524.4 | -0.01 |
| 265 | 3462. | 0. | -3454. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3516.0 | 3516.0 | -0.01 |
| 266 | 3454. | 0. | -3445. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3507.4 | 3507.4 | -0.01 |
| 267 | 3445. | 0. | -3436. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 50. | 0. | 0. | -3498.6 | 3498.6 | -0.01 |
| 268 | 3436. | 0. | -3428. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -2. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 49. | 0. | 0. | -3489.7 | 3489.7 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 269 | 3428. | 0. | -3419. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 49. | 0. | 0. | -3480.6 | 3480.6 | -0.01 |
| 270 | 3419. | 0. | -3410. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3471.4 | 3471.4 | -0.01 |
| 271 | 3410. | 0. | -3401. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3462.1 | 3462.1 | -0.01 |
| 272 | 3401. | 0. | -3391. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 48. | 0. | 0. | -3452.6 | 3452.6 | -0.01 |
| 273 | 3391. | 0. | -3382. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3443.0 | 3443.0 | -0.01 |
| 274 | 3382. | 0. | -3373. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3433.2 | 3433.2 | -0.01 |
| 275 | 3373. | 0. | -3363. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 47. | 0. | 0. | -3423.4 | 3423.4 | -0.01 |
| 276 | 3363. | 0. | -3353. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | -1. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3413.4 | 3413.3 | -0.01 |
| 277 | 3353. | 0. | -3343. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -21. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3403.2 | 3403.2 | -0.01 |
| 278 | 3343. | 0. | -3333. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 46. | 0. | 0. | -3393.0 | 3393.0 | -0.01 |
| 279 | 3333. | 0. | -3323. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3382.6 | 3382.6 | -0.01 |
| 280 | 3323. | 0. | -3313. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3372.1 | 3372.1 | -0.01 |
| 281 | 3313. | 0. | -3302. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 45. | 0. | 0. | -3361.6 | 3361.6 | -0.01 |
| 282 | 3302. | 0. | -3292. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3351.0 | 3351.0 | -0.01 |
| 283 | 3292. | 0. | -3281. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 0. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3340.3 | 3340.3 | -0.01 |
| 284 | 3281. | 0. | -3270. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 44. | 0. | 0. | -3329.6 | 3329.5 | -0.01 |
| 285 | 3270. | 0. | -3260. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3318.7 | 3318.7 | -0.01 |
| 286 | 3260. | 0. | -3249. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3307.7 | 3307.7 | -0.01 |
| 287 | 3249. | 0. | -3238. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 43. | 0. | 0. | -3296.6 | 3296.5 | -0.01 |
| 288 | 3238. | 0. | -3227. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3285.4 | 3285.3 | -0.01 |
| 289 | 3227. | 0. | -3215. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 1. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3274.1 | 3274.0 | -0.01 |
| 290 | 3215. | 0. | -3204. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 42. | 0. | 0. | -3262.7 | 3262.7 | -0.01 |
| 291 | 3204. | 0. | -3193. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -20. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 41. | 0. | 0. | -3251.2 | 3251.2 | -0.01 |
| 292 | 3193. | 0. | -3181. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 41. | 0. | 0. | -3239.6 | 3239.6 | -0.01 |
| 293 | 3181. | 0. | -3170. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3227.9 | 3227.9 | -0.01 |
| 294 | 3170. | 0. | -3158. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3216.2 | 3216.2 | -0.01 |
| 295 | 3158. | 0. | -3146. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 2. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 40. | 0. | 0. | -3204.3 | 3204.3 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Chene

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 296 | 3146. | 0. | -3134. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3192.4 | 3192.4 | -0.01 |
| 297 | 3134. | 0. | -3122. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3180.4 | 3180.4 | -0.01 |
| 298 | 3122. | 0. | -3110. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 39. | 0. | 0. | -3168.3 | 3168.3 | -0.01 |
| 299 | 3110. | 0. | -3098. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3156.1 | 3156.1 | -0.01 |
| 300 | 3098. | 0. | -3086. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3143.9 | 3143.8 | -0.01 |
| 301 | 3086. | 0. | -3074. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 3. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 38. | 0. | 0. | -3131.5 | 3131.5 | -0.01 |
| 302 | 3074. | 0. | -3061. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3119.1 | 3119.1 | -0.01 |
| 303 | 3061. | 0. | -3049. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3106.6 | 3106.6 | -0.01 |
| 304 | 3049. | 0. | -3037. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 37. | 0. | 0. | -3094.1 | 3094.1 | 0.00 |
| 305 | 3037. | 0. | -3024. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3081.5 | 3081.5 | -0.01 |
| 306 | 3024. | 0. | -3011. | 1. | 0. | -1. | 3. | -7. | 0. | 0. | 0. | 4. | -19. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3068.8 | 3068.8 | -0.01 |
| 307 | 3011. | 0. | -2999. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 36. | 0. | 0. | -3056.0 | 3056.0 | 0.00 |
| 308 | 2999. | 0. | -2986. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3043.2 | 3043.2 | 0.00 |
| 309 | 2986. | 0. | -2973. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3030.3 | 3030.3 | 0.00 |
| 310 | 2973. | 0. | -2960. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 35. | 0. | 0. | -3017.3 | 3017.3 | 0.00 |
| 311 | 2960. | 0. | -2947. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 5. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -3004.3 | 3004.3 | 0.00 |
| 312 | 2947. | 0. | -2934. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -2991.2 | 2991.2 | 0.00 |
| 313 | 2934. | 0. | -2921. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 34. | 0. | 0. | -2978.1 | 2978.1 | 0.00 |
| 314 | 2921. | 0. | -2908. | 1. | 0. | -1. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 33. | 0. | 0. | -2964.9 | 2964.9 | 0.00 |
| 315 | 2908. | 0. | -2894. | 1. | 0. | -2. | 3. | -6. | 0. | 0. | 0. | 6. | -18. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 33. | 0. | 0. | -2951.7 | 2951.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 316 | 2894. | 0. | -2876. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2951.3 | 2951.3 | -0.01 |
| 317 | 2876. | 0. | -2858. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2933.4 | 2933.4 | -0.01 |
| 318 | 2858. | 0. | -2841. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 8. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2916.0 | 2916.0 | -0.01 |
| 319 | 2841. | 0. | -2824. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2899.0 | 2899.0 | -0.01 |
| 320 | 2824. | 0. | -2808. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -22. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2882.4 | 2882.4 | -0.01 |
| 321 | 2808. | 0. | -2792. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2866.2 | 2866.2 | -0.01 |
| 322 | 2792. | 0. | -2776. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 9. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2850.4 | 2850.4 | 0.00 |
| 323 | 2776. | 0. | -2761. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2834.9 | 2834.9 | -0.01 |
| 324 | 2761. | 0. | -2746. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2819.8 | 2819.8 | -0.01 |
| 325 | 2746. | 0. | -2731. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2805.0 | 2805.0 | 0.00 |
| 326 | 2731. | 0. | -2717. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2790.6 | 2790.6 | 0.00 |
| 327 | 2717. | 0. | -2703. | 2. | 0. | -2. | 7. | -13. | 0. | 0. | 0. | 10. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 40. | 0. | 0. | -2776.5 | 2776.5 | 0.00 |
| 328 | 2703. | 0. | -2689. | 2. | 0. | -2. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2762.8 | 2762.8 | 0.00 |
| 329 | 2689. | 0. | -2676. | 2. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2749.3 | 2749.3 | 0.00 |
| 330 | 2676. | 0. | -2663. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2736.2 | 2736.2 | 0.00 |
| 331 | 2663. | 0. | -2650. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2723.3 | 2723.3 | 0.00 |
| 332 | 2650. | 0. | -2638. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 11. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2710.8 | 2710.8 | 0.00 |
| 333 | 2638. | 0. | -2626. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -21. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2698.6 | 2698.5 | 0.00 |
| 334 | 2626. | 0. | -2614. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2686.6 | 2686.6 | 0.00 |
| 335 | 2614. | 0. | -2602. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2674.9 | 2674.9 | 0.00 |
| 336 | 2602. | 0. | -2591. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -35. | 0. | 0. | 0. | 41. | 0. | 0. | -2663.4 | 2663.4 | 0.00 |
| 337 | 2591. | 0. | -2580. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2652.3 | 2652.3 | 0.00 |
| 338 | 2580. | 0. | -2569. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 12. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2641.4 | 2641.3 | 0.00 |
| 339 | 2569. | 0. | -2558. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2630.7 | 2630.7 | 0.00 |
| 340 | 2558. | 0. | -2548. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2620.2 | 2620.2 | 0.00 |
| 341 | 2548. | 0. | -2538. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2610.0 | 2610.0 | 0.00 |
| 342 | 2538. | 0. | -2528. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2600.1 | 2600.1 | 0.00 |
| 343 | 2528. | 0. | -2519. | 1. | 0. | -1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2590.3 | 2590.3 | 0.00 |
| 344 | 2519. | 0. | -2511. | 1. | 0. | 1. | 7. | -12. | 0. | 0. | 0. | 13. | -20. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2581.9 | 2581.8 | 0.00 |
| 345 | 2511. | 0. | -2515. | -1. | 0. | 14. | 7. | -12. | 0. | 0. | 0. | 13. | -19. | -4. | 0. | 0. | -36. | 0. | 0. | 0. | 41. | 0. | 0. | -2586.1 | 2586.1 | 0.00 |
| 526 | 2515. | 2959. | -5458. | -14. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5513.6 | 5513.6 | 0.00 |
| 527 | 5458. | 0. | -5455. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5496.5 | 5496.5 | 0.00 |
| 528 | 5455. | 0. | -5452. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5493.4 | 5493.4 | 0.00 |
| 529 | 5452. | 0. | -5449. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -29. | 0. | 0. | 0. | 26. | 0. | 0. | -5490.4 | 5490.4 | 0.00 |
| 530 | 5449. | 0. | -5446. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -3. | 0. | 0. | -28. | 0. | 0. | 0. | 26. | 0. | 0. | -5487.5 | 5487.5 | 0.00 |
| 531 | 5446. | 0. | -5442. | 0. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 12. | -9. | -2. | 0. | 0. | -28. | 0. | 0. | 0. | 26. | 0. | 0. | -5484.8 | 5484.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -2. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 347 | 16. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 348 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.5 | 28.5 | 0.00 |
| 349 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -1. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 350 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -1. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 351 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -1. | -1. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 352 | 17. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -1. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.6 | 28.6 | 0.00 |
| 353 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | -1. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 354 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 355 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |
| 356 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.7 | 28.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 357 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 358 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 359 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 360 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 361 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 362 | 18. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 363 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.8 | 28.8 | 0.00 |
| 364 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.9 | 28.9 | 0.00 |
| 365 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.9 | 28.9 | 0.00 |
| 366 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.9 | 28.9 | 0.00 |
| 367 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 5. | 0. | 0. | 0. | 0. | -10. | 0. | 0. | 0. | 5. | 0. | 0. | -28.9 | 28.9 | 0.00 |
| 368 | 19. | 0. | -127. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 96. | -87. | -31. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -500.5 | 500.4 | -0.06 |
| 369 | 127. | 0. | -230. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 97. | -92. | -32. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -609.8 | 609.7 | -0.07 |
| 370 | 230. | 0. | -334. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 98. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -714.7 | 714.6 | -0.07 |
| 371 | 334. | 0. | -438. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -818.8 | 818.7 | -0.07 |
| 372 | 438. | 0. | -541. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -922.6 | 922.6 | -0.07 |
| 373 | 541. | 0. | -645. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1026.4 | 1026.3 | -0.07 |
| 374 | 645. | 0. | -748. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1130.1 | 1130.0 | -0.07 |
| 375 | 748. | 0. | -852. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1233.7 | 1233.6 | -0.07 |
| 376 | 852. | 0. | -956. | 0. | 0. | 0. | 74. | 0. | 0. | 0. | 0. | 99. | -93. | -33. | 0. | 0. | -256. | 0. | 0. | 0. | 312. | 0. | 0. | -1337.4 | 1337.3 | -0.07 |
| 377 | 956. | 0. | -935. | 0. | 0. | 0. | 119. | -67. | 0. | 0. | 0. | 130. | -52. | -16. | 0. | 0. | -295. | 0. | 0. | 0. | 161. | 0. | 0. | -1365.7 | 1365.6 | -0.02 |
| 378 | 935. | 0. | -964. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 167. | -59. | -18. | 0. | 0. | -296. | 0. | 0. | 0. | 178. | 0. | 0. | -1399.4 | 1399.3 | -0.02 |
| 379 | 964. | 0. | -1018. | 0. | 0. | 0. | 119. | -62. | 0. | 0. | 0. | 182. | -63. | -19. | 0. | 0. | -297. | 0. | 0. | 0. | 195. | 0. | 0. | -1459.6 | 1459.6 | -0.02 |
| 380 | 1018. | 0. | -1088. | 0. | 0. | 0. | 119. | -61. | 0. | 0. | 0. | 185. | -67. | -21. | 0. | 0. | -298. | 0. | 0. | 0. | 212. | 0. | 0. | -1534.9 | 1534.9 | -0.02 |
| 381 | 1088. | 0. | -1167. | 0. | 0. | 0. | 119. | -61. | 0. | 0. | 0. | 183. | -70. | -22. | 0. | 0. | -298. | 0. | 0. | 0. | 229. | 0. | 0. | -1619.5 | 1619.5 | -0.02 |
| 382 | 1167. | 0. | -1254. | 0. | 0. | 0. | 119. | -62. | 0. | 0. | 0. | 177. | -72. | -23. | 0. | 0. | -299. | 0. | 0. | 0. | 246. | 0. | 0. | -1710.5 | 1710.5 | -0.02 |
| 383 | 1254. | 0. | -1345. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 170. | -74. | -25. | 0. | 0. | -300. | 0. | 0. | 0. | 264. | 0. | 0. | -1806.3 | 1806.3 | -0.03 |
| 384 | 1345. | 0. | -1441. | 0. | 0. | 0. | 119. | -63. | 0. | 0. | 0. | 161. | -76. | -26. | 0. | 0. | -301. | 0. | 0. | 0. | 281. | 0. | 0. | -1906.3 | 1906.2 | -0.03 |
| 385 | 1441. | 0. | -1541. | 0. | 0. | 0. | 119. | -64. | 0. | 0. | 0. | 151. | -77. | -27. | 0. | 0. | -301. | 0. | 0. | 0. | 298. | 0. | 0. | -2009.8 | 2009.7 | -0.03 |
| 386 | 1541. | 0. | -1644. | 0. | 0. | 0. | 119. | -65. | 0. | 0. | 0. | 141. | -78. | -27. | 0. | 0. | -302. | 0. | 0. | 0. | 316. | 0. | 0. | -2116.6 | 2116.6 | -0.04 |
| 387 | 1644. | 0. | -1750. | 0. | 0. | 0. | 119. | -66. | 0. | 0. | 0. | 130. | -79. | -28. | 0. | 0. | -303. | 0. | 0. | 0. | 333. | 0. | 0. | -2226.6 | 2226.6 | -0.04 |
| 388 | 1750. | 0. | -1860. | 0. | 0. | 0. | 119. | -67. | 0. | 0. | 0. | 119. | -80. | -29. | 0. | 0. | -303. | 0. | 0. | 0. | 351. | 0. | 0. | -2339.7 | 2339.7 | -0.04 |
| 389 | 1860. | 0. | -1973. | 0. | 0. | 0. | 119. | -68. | 0. | 0. | 0. | 108. | -81. | -30. | 0. | 0. | -304. | 0. | 0. | 0. | 368. | 0. | 0. | -2455.9 | 2455.9 | -0.05 |
| 390 | 1973. | 0. | -1936. | 0. | 0. | 0. | 24. | -30. | 0. | 0. | 0. | 14. | -12. | -7. | 0. | 0. | -85. | 0. | 0. | 0. | 59. | 0. | 0. | -2070.0 | 2070.0 | -0.01 |
| 391 | 1936. | 0. | -1903. | 0. | 0. | 0. | 24. | -30. | 0. | 0. | 0. | 15. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 62. | 0. | 0. | -2036.6 | 2036.6 | -0.01 |
| 392 | 1903. | 0. | -1875. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 16. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 65. | 0. | 0. | -2008.1 | 2008.1 | -0.01 |
| 393 | 1875. | 0. | -1851. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 17. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 68. | 0. | 0. | -1984.2 | 1984.2 | -0.01 |
| 394 | 1851. | 0. | -1832. | 0. | 0. | 0. | 24. | -29. | 0. | 0. | 0. | 18. | -12. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 71. | 0. | 0. | -1964.7 | 1964.7 | -0.01 |
| 395 | 1832. | 0. | -1817. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 19. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 75. | 0. | 0. | -1949.3 | 1949.3 | -0.01 |
| 396 | 1817. | 0. | -1805. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 19. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 78. | 0. | 0. | -1937.9 | 1937.9 | -0.01 |
| 397 | 1805. | 0. | -1798. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 20. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 81. | 0. | 0. | -1930.1 | 1930.1 | -0.01 |
| 398 | 1798. | 0. | -1794. | 0. | 0. | 0. | 24. | -28. | 0. | 0. | 0. | 20. | -13. | -6. | 0. | 0. | -85. | 0. | 0. | 0. | 84. | 0. | 0. | -1925.9 | 1925.9 | -0.01 |
| 399 | 1794. | 0. | -1792. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1847.9 | 1847.9 | 0.00 |
| 400 | 1792. | 0. | -1790. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1846.0 | 1846.0 | 0.00 |
| 401 | 1790. | 0. | -1788. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1844.2 | 1844.2 | 0.00 |
| 402 | 1788. | 0. | -1786. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1842.4 | 1842.4 | 0.00 |
| 403 | 1786. | 0. | -1784. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1840.6 | 1840.6 | 0.00 |
| 404 | 1784. | 0. | -1783. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1838.8 | 1838.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN | UPTR | LOWR | UPMN | UPTR | LOWR | INCR | INCR | NONP | WSLD | WITH | REAE | BOD1 | NH3-N | ORG-N | NCM | SOD | SOD | SOD | SOD | ALG | ALG | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | ADV | ADV | ADV | DISP | DISP | DISP | IN | OUT | IN | IN | OUT | IN | DECA | DECA | DECA | DECA | BKGD | BOD1 | ALG | NCM | PHOT | RESP | PHOT | OUT | IN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 1783. | 0. | -1781. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1837.2 | 1837.1 | 0.00 |
| 406 | 1781. | 0. | -1779. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1835.5 | 1835.5 | 0.00 |
| 407 | 1779. | 0. | -1778. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1833.9 | 1833.9 | 0.00 |
| 408 | 1778. | 0. | -1776. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1832.3 | 1832.3 | 0.00 |
| 409 | 1776. | 0. | -1774. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1830.7 | 1830.7 | 0.00 |
| 410 | 1774. | 0. | -1773. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1829.2 | 1829.2 | 0.00 |
| 411 | 1773. | 0. | -1771. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 8. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1827.7 | 1827.7 | 0.00 |
| 412 | 1771. | 0. | -1770. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1826.3 | 1826.3 | 0.00 |
| 413 | 1770. | 0. | -1769. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1824.8 | 1824.8 | 0.00 |
| 414 | 1769. | 0. | -1767. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1823.4 | 1823.4 | 0.00 |
| 415 | 1767. | 0. | -1766. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1822.1 | 1822.1 | 0.00 |
| 416 | 1766. | 0. | -1765. | 0. | 0. | 0. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1820.7 | 1820.7 | 0.00 |
| 417 | 1765. | 0. | -1763. | 0. | 0. | -1. | 11. | -13. | 0. | 0. | 0. | 9. | -5. | -2. | 0. | 0. | -35. | 0. | 0. | 0. | 35. | 0. | 0. | -1819.5 | 1819.4 | 0.00 |
| 418 | 1763. | 0. | -1755. | 1. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 10. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1822.9 | 1822.9 | 0.00 |
| 419 | 1755. | 0. | -1747. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1814.7 | 1814.7 | 0.00 |
| 420 | 1747. | 0. | -1739. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1806.8 | 1806.8 | 0.00 |
| 421 | 1739. | 0. | -1731. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1799.1 | 1799.1 | 0.00 |
| 422 | 1731. | 0. | -1724. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1791.6 | 1791.6 | 0.00 |
| 423 | 1724. | 0. | -1716. | 0. | 0. | 0. | 17. | -19. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1784.4 | 1784.4 | 0.00 |
| 424 | 1716. | 0. | -1709. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1777.3 | 1777.3 | 0.00 |
| 425 | 1709. | 0. | -1703. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 11. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1770.4 | 1770.4 | 0.00 |
| 426 | 1703. | 0. | -1696. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1763.8 | 1763.8 | 0.00 |
| 427 | 1696. | 0. | -1690. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1757.3 | 1757.3 | 0.00 |
| 428 | 1690. | 0. | -1683. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1751.0 | 1751.0 | 0.00 |
| 429 | 1683. | 0. | -1677. | 0. | 0. | 0. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1744.9 | 1744.9 | 0.00 |
| 430 | 1677. | 0. | -1670. | 0. | 0. | -2. | 17. | -18. | 0. | 0. | 0. | 12. | -5. | -2. | 0. | 0. | -42. | 0. | 0. | 0. | 33. | 0. | 0. | -1739.0 | 1739.0 | 0.00 |
| 431 | 1670. | 0. | -3109. | 2. | 0. | 0. | 0. | 0. | 0. | 1419. | 0. | 16. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -3139.9 | 3139.9 | 0.00 |
| 432 | 3109. | 0. | -3127. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -3158.1 | 3158.1 | 0.00 |
| 433 | 3127. | 0. | -2342. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | -801. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -3173.5 | 3173.5 | 0.00 |
| 434 | 2342. | 0. | -2358. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2388.2 | 2388.2 | 0.00 |
| 435 | 2358. | 0. | -2374. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2403.9 | 2403.9 | 0.00 |
| 436 | 2374. | 0. | -2389. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2419.4 | 2419.4 | 0.00 |
| 437 | 2389. | 0. | -2404. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2434.5 | 2434.5 | 0.00 |
| 438 | 2404. | 0. | -2419. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2449.4 | 2449.4 | 0.00 |
| 439 | 2419. | 0. | -2433. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2464.0 | 2464.0 | 0.00 |
| 440 | 2433. | 0. | -2447. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 32. | 0. | 0. | -2478.4 | 2478.4 | 0.00 |
| 441 | 2447. | 0. | -2461. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -22. | 0. | 0. | 0. | 33. | 0. | 0. | -2492.5 | 2492.5 | 0.00 |
| 442 | 2461. | 0. | -2475. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2506.4 | 2506.4 | 0.00 |
| 443 | 2475. | 0. | -2489. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2520.0 | 2520.0 | 0.00 |
| 444 | 2489. | 0. | -2502. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -7. | -2. | 0. | 0. | -23. | 0. | 0. | 0. | 33. | 0. | 0. | -2533.3 | 2533.3 | 0.00 |
| 445 | 2502. | 0. | -2515. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2543.9 | 2543.9 | 0.00 |
| 446 | 2515. | 0. | -2527. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2556.4 | 2556.4 | 0.00 |
| 447 | 2527. | 0. | -2539. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2568.7 | 2568.7 | 0.00 |
| 448 | 2539. | 0. | -2551. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2580.7 | 2580.7 | 0.00 |
| 449 | 2551. | 0. | -2563. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2592.5 | 2592.5 | 0.00 |
| 450 | 2563. | 0. | -2575. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2604.1 | 2604.1 | 0.00 |
| 451 | 2575. | 0. | -2586. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2615.4 | 2615.4 | 0.00 |
| 452 | 2586. | 0. | -2597. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2626.5 | 2626.5 | 0.00 |
| 453 | 2597. | 0. | -2608. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2637.4 | 2637.4 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 454 | 2608. | 0. | -2619. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 30. | 0. | 0. | -2648.1 | 2648.1 | 0.00 |
| 455 | 2619. | 0. | -2629. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2658.6 | 2658.6 | 0.00 |
| 456 | 2629. | 0. | -2640. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2668.8 | 2668.8 | 0.00 |
| 457 | 2640. | 0. | -2650. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2678.9 | 2678.9 | 0.00 |
| 458 | 2650. | 0. | -2660. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2688.7 | 2688.7 | 0.00 |
| 459 | 2660. | 0. | -2669. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2698.4 | 2698.4 | 0.00 |
| 460 | 2669. | 0. | -2679. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2707.8 | 2707.8 | 0.00 |
| 461 | 2679. | 0. | -2688. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2717.0 | 2717.0 | 0.00 |
| 462 | 2688. | 0. | -2697. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2726.1 | 2726.1 | 0.00 |
| 463 | 2697. | 0. | -2706. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2734.9 | 2734.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464 | 2706. | 0. | -2714. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2743.6 | 2743.6 | 0.00 |
| 465 | 2714. | 0. | -2723. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2752.1 | 2752.1 | 0.00 |
| 466 | 2723. | 0. | -2731. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 29. | 0. | 0. | -2760.4 | 2760.4 | 0.00 |
| 467 | 2731. | 0. | -2739. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2768.5 | 2768.5 | 0.00 |
| 468 | 2739. | 0. | -2747. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2776.4 | 2776.4 | 0.00 |
| 469 | 2747. | 0. | -2755. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2784.2 | 2784.2 | 0.00 |
| 470 | 2755. | 0. | -2763. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2791.8 | 2791.8 | 0.00 |
| 471 | 2763. | 0. | -2770. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2799.2 | 2799.2 | 0.00 |
| 472 | 2770. | 0. | -2777. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2806.5 | 2806.5 | 0.00 |
| 473 | 2777. | 0. | -2784. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2813.6 | 2813.6 | 0.00 |
| 474 | 2784. | 0. | -2791. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2820.5 | 2820.5 | 0.00 |
| 475 | 2791. | 0. | -2798. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2827.3 | 2827.3 | 0.00 |
| 476 | 2798. | 0. | -2805. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2833.9 | 2833.9 | 0.00 |
| 477 | 2805. | 0. | -2811. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 28. | 0. | 0. | -2840.3 | 2840.3 | 0.00 |
| 478 | 2811. | 0. | -2818. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2846.6 | 2846.6 | 0.00 |
| 479 | 2818. | 0. | -2824. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2852.8 | 2852.8 | 0.00 |
| 480 | 2824. | 0. | -2830. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2858.8 | 2858.8 | 0.00 |
| 481 | 2830. | 0. | -2836. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2864.7 | 2864.7 | 0.00 |
| 482 | 2836. | 0. | -2841. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2870.4 | 2870.4 | 0.00 |
| 483 | 2841. | 0. | -2847. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2876.0 | 2876.0 | 0.00 |
| 484 | 2847. | 0. | -2852. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2881.4 | 2881.4 | 0.00 |
| 485 | 2852. | 0. | -2858. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2886.7 | 2886.7 | 0.00 |
| 486 | 2858. | 0. | -2863. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2891.9 | 2891.9 | 0.00 |
| 487 | 2863. | 0. | -2868. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2896.9 | 2896.9 | 0.00 |
| 488 | 2868. | 0. | -2873. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2901.8 | 2901.8 | 0.00 |
| 489 | 2873. | 0. | -2878. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 27. | 0. | 0. | -2906.6 | 2906.6 | 0.00 |
| 490 | 2878. | 0. | -2882. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2911.2 | 2911.2 | 0.00 |
| 491 | 2882. | 0. | -2887. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2915.7 | 2915.7 | 0.00 |
| 492 | 2887. | 0. | -2891. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2920.1 | 2920.1 | 0.00 |
| 493 | 2891. | 0. | -2895. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2924.4 | 2924.4 | 0.00 |
| 494 | 2895. | 0. | -2900. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2928.6 | 2928.6 | 0.00 |
| 495 | 2900. | 0. | -2904. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2932.6 | 2932.6 | 0.00 |
| 496 | 2904. | 0. | -2908. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2936.5 | 2936.5 | 0.00 |
| 497 | 2908. | 0. | -2911. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2940.3 | 2940.3 | 0.00 |
| 498 | 2911. | 0. | -2915. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2944.0 | 2944.0 | 0.00 |
| 499 | 2915. | 0. | -2919. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2947.6 | 2947.6 | 0.00 |
| 500 | 2919. | 0. | -2922. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 26. | 0. | 0. | -2951.0 | 2951.0 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 501 | 2922. | 0. | -2925. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2954.4 | 2954.4 | 0.00 |
| 502 | 2925. | 0. | -2929. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2957.6 | 2957.6 | 0.00 |
| 503 | 2929. | 0. | -2932. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2960.8 | 2960.8 | 0.00 |
| 504 | 2932. | 0. | -2935. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2963.8 | 2963.8 | 0.00 |
| 505 | 2935. | 0. | -2938. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2966.8 | 2966.8 | 0.00 |
| 506 | 2938. | 0. | -2941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2969.6 | 2969.6 | 0.00 |
| 507 | 2941. | 0. | -2943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2972.3 | 2972.3 | 0.00 |
| 508 | 2943. | 0. | -2946. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2975.0 | 2975.0 | 0.00 |
| 509 | 2946. | 0. | -2949. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2977.5 | 2977.5 | 0.00 |
| 510 | 2949. | 0. | -2951. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2980.0 | 2980.0 | 0.00 |
| 511 | 2951. | 0. | -2953. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 25. | 0. | 0. | -2982.3 | 2982.3 | 0.00 |
| 512 | 2953. | 0. | -2956. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2984.6 | 2984.6 | 0.00 |
| 513 | 2956. | 0. | -2958. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2986.8 | 2986.8 | 0.00 |
| 514 | 2958. | 0. | -2960. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2988.9 | 2988.8 | 0.00 |
| 515 | 2960. | 0. | -2962. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2990.8 | 2990.8 | 0.00 |
| 516 | 2962. | 0. | -2964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2992.8 | 2992.8 | 0.00 |
| 517 | 2964. | 0. | -2966. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 24. | 0. | 0. | -2994.6 | 2994.6 | 0.00 |
| 518 | 2966. | 0. | -2967. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 23. | 0. | 0. | -2996.0 | 2996.0 | 0.00 |
| 519 | 2967. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 23. | 0. | 0. | -2996.8 | 2996.8 | 0.00 |
| 520 | 2968. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 22. | 0. | 0. | -2997.0 | 2997.0 | 0.00 |
| 521 | 2968. | 0. | -2968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 22. | 0. | 0. | -2996.7 | 2996.7 | 0.00 |
| 522 | 2968. | 0. | -2967. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 21. | 0. | 0. | -2995.9 | 2995.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Station 935

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 523 | 2967. | 0. | -2966. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 20. | 0. | 0. | -2994.4 | 2994.4 | 0.00 |
| 524 | 2966. | 0. | -2964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 20. | 0. | 0. | -2992.5 | 2992.5 | 0.00 |
| 525 | 2964. | 0. | -2959. | 0. | 0. | -3. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 19. | 0. | 0. | -2990.0 | 2990.0 | 0.00 |

LA-QUAL Model for Lake Penchant and Bayou Penchant (subsegments

TMDL Simulation for Lake Penchant and Bayou Penchant mode

INPUT/OUTPUT LOADING SUMMARY

| | FLOW $m^3/s$ | DO kg/d | BOD#1 kg/d | BOD#2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | PHOS kg/d | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 17.424 | 9330.0 | 24166.6 | 0.0 | 2406.5 | 150.5 | 841.4 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL INFLOW | 14.380 | 6212.3 | 31122.7 | 0.0 | 2847.9 | 124.2 | 49.7 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL OUTFLOW | -11.800 | -6246.9 | -14852.2 | 0.0 | -1804.8 | -117.1 | -159.5 | 0.0 | 0.0 | 0.0 |
| WASTELOADS | 4.984 | 2153.0 | 3337.1 | 0.0 | 1428.8 | 21.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| WITHDRAWLS | -14.715 | -8784.4 | -21163.8 | 0.0 | -2503.6 | -136.5 | -36.1 | 0.0 | 0.0 | 0.0 |
| FLOW THRU LOWER BNDRY | -10.274 | -5441.6 | -7380.6 | 0.0 | -1676.2 | -109.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU LOWER BNDRY | | -3.2 | -651.8 | 0.0 | -201.3 | -2.5 | 5.3 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU HDWTR BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NON-POINT INPUT | | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 |
| NATURAL REAERATION | | 9793.3 | | | | | | | | |
| DAM REAERATION | | 0.0 | | | | | | | | |
| BACKGROUND SOD | | -27099.7 | | | | | | | | |
| BOD#1 DECAY | | -14577.9 | -14577.9 | | | | | | | |
| BOD#1 SETTLING | | 0.0 | 0.0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0.0 | | | | | | | |
| BOD#2 DECAY | | 0.0 | | 0.0 | | | | | | |
| BOD#2 SETTLING | | 0.0 | | 0.0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0.0 | | | | | | |
| ORG-N DECAY | | 0.0 | | | -497.3 | 497.3 | | | | |
| ORG-N SETTLING | | | | | 0.0 | 0.0 | | | | |
| NH3 DECAY | | -1857.3 | | | | -428.9 | 428.9 | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BACKGROUND NH3 SOURCE | | | | | | 0.0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0.0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0.0 | | |
| ALGAE PHOTOSYNTHESIS | | 36519.7 | | | | 0.0 | -1826.0 | 0.0 | 0.0 | |
| ALGAE RESPIRATION | | 0.0 | | | | 0.0 | | 0.0 | 0.0 | |
| ALGAE SETTLING | | 0.0 | | | | | | | 0.0 | |
| MACRO PHOTOSYNTHESIS | | 0.0 | | | | 0.0 | 0.0 | 0.0 | | |
| NCM DECAY | | 0.0 | | | | | | | | 0.0 |
| NCM SETTLING | | 0.0 | | | | | | | | 0.0 |
| TOTAL INPUTS | 36.788 | 64008.2 | 58626.5 | 0.0 | 6683.1 | 793.6 | 1325.3 | 0.0 | 0.0 | 0.0 |
| TOTAL OUTPUTS | -36.788 | -64011.0 | -58626.1 | 0.0 | -6683.1 | -794.2 | -2021.6 | 0.0 | 0.0 | 0.0 |
| NET CONVERGENCE ERROR | 0.000 | -2.8 | 0.4 | 0.0 | 0.0 | -0.7 | -696.2 | 0.0 | 0.0 | 0.0 |

.....EXECUTION COMPLETED

## TMDL output file for subsegments120405/120406

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality
Input file is D:\LA TMDL 2006\Additional\TO95\TT_Models\0608 LT - Cade\tmdl\Cade_Hache_TMDL_0608.txt
Output produced at 09:16 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
TITLE02        TMDL Simulation for Lake de Cade Theriot and Hache model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
ENDATA01
$$$ DATA TYPE 2 (MODEL OPTIONS) $$$
CARD TYPE      MODEL OPTION
MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02
$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        DISPERSION EQUATION               =        1.00000 (values entered as a constant)
PROGRAM        TIDE HEIGHT                       =        0.40000 meters
PROGRAM        HEADWATER EXCHANGE RATIO          =        1.00000
ENDATA03
$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
 CARD TYPE     RATE CODE     THETA VALUE
ENDATA04
$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA05
$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA06
$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$
CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE
ENDATA07
```

```
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                        BEGIN      END   ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH     REACH  LENGTH  LENGTH   PER RCH  ELEM  ELEM
                                          km        km     km     km            NUM   NUM
REACH ID    1   1  Lake Hache incl 937              20.90  TO  16.30  0.1000    4.60    46      1    46
REACH ID    2   2  Lake Hache incl 120406-B         16.30  TO  13.20  0.1000    3.10    31     47    77
REACH ID    3   3  L. Hache-405/406 boundary        13.20  TO   9.30  0.1000    3.90    39     78   116
REACH ID    4   4  405/406 boundary to L. Theriot    9.30  TO   6.70  0.1000    2.60    26    117   142
REACH ID    5   5  Lake Theriot                     2.90  TO   0.50  0.1000    2.40    24    143   166
REACH ID    6   6  Lake Theriot Discharge           0.50  TO   0.00  0.1000    0.50     5    167   171
REACH ID    7   7  L. Theriot to Mandalay WR Bndy   6.70  TO   2.30  0.1000    4.40    44    172   215
REACH ID    8   8  Mandalay WR Bndy to constriction  2.30  TO   1.50  0.1000    0.80     8    216   223
REACH ID    9   9  constriction to Lake Hache inflo  1.50  TO   0.60  0.1000    0.90     9    224   232
REACH ID   10  10  Lake Hache                       1.10  TO   0.10  0.1000    1.00    10    233   242
REACH ID   11  11  Lake Hache Discharge             0.10  TO   0.00  0.1000    0.10     1    243   243
REACH ID   12  12  Lake Hache inflow to 406 boundar  0.60  TO   0.00  0.1000    0.60     6    244   249
ENDATA08
$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    WIDTH    WIDTH    WIDTH    DEPTH    DEPTH    DEPTH   SLOPE   MANNINGS
                       "A"      "B"      "C"      "D"      "E"      "F"              "N"
HYDR-1      1   1    0.000    0.000  1527.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      2   2    0.000    0.000  1029.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      3   3    0.000    0.000    25.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      4   4    0.000    0.000    10.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      5   5    0.000    0.000  2428.000    0.000    0.000    0.800   0.00010  1.460
HYDR-1      6   6    0.000    0.000    20.000    0.000    0.000    1.904   0.00010  1.460
HYDR-1      7   7    0.000    0.000    46.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      8   8    0.000    0.000   110.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1      9   9    0.000    0.000    30.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1     10  10    0.000    0.000   970.000    0.000    0.000    0.750   0.00010  1.460
HYDR-1     11  11    0.000    0.000    50.000    0.000    0.000    1.550   0.00010  1.460
HYDR-1     12  12    0.000    0.000    20.000    0.000    0.000    1.550   0.00010  1.460
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID   TIDAL   DISPERSION   DISPERSION   DISPERSION   DISPERSION
                      RANGE      "A"          "B"          "C"          "D"
HYDR        1   1    0.00      0.500        0.000        0.000        0.000
HYDR        2   2    0.00      0.500        0.000        0.000        0.000
HYDR        3   3    0.00      0.400        0.000        0.000        0.000
HYDR        4   4    0.00      0.300        0.000        0.000        0.000
HYDR        5   5    0.00      0.000        0.000        0.000        0.000
HYDR        6   6    0.00      0.200        0.000        0.000        0.000
HYDR        7   7    0.00      0.100        0.000        0.000        0.000
HYDR        8   8    0.00      0.100        0.000        0.000        0.000
HYDR        9   9    0.00      0.100        0.000        0.000        0.000
HYDR       10  10    0.00      0.000        0.000        0.000        0.000
HYDR       11  11    0.00      0.100        0.000        0.000        0.000
HYDR       12  12    0.00      0.100        0.000        0.000        0.000
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
```

```
CARD TYPE     REACH  ID      TEMP    SALIN      DO      NH3    NO3+2    PHOS    CHL A    MACRO
INITIAL         1   1      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         2   2      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         3   3      31.10    0.00     5.00    0.10    0.04     0.00    20.00    0.00
INITIAL         4   4      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         5   5      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         6   6      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         7   7      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         8   8      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL         9   9      31.10    0.00     5.00    0.10    0.04     0.00    53.00    0.00
INITIAL        10  10      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
INITIAL        11  11      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
INITIAL        12  12      31.10    0.00     5.00    0.10    0.04     0.00    94.00    0.00
ENDATA11
$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                  BOD    ANAER                    BOD2    ANAER
CARD    RCH  RCH  K2              K2      K2      K2   BKGRND     BOD     BOD     CONV     BOD2     BOD2     BOD2     CONV     BOD2
TYPE    NUM   ID  OPT            "A"     "B"     "C"     SOD    DECAY    SETT   TO SOD    DECAY    DECAY    SETT   TO SOD    DECAY
                                         g/m²/d  per day     m/d            per day  per day      m/d            per day
COEFF-1   1   1  20 K2=a/D       0.930   0.000   0.000   1.200   0.130   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2   2  20 K2=a/D       0.930   0.000   0.000   1.400   0.130   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3   3   3 OCONNER-DOBB  0.000   0.000   0.000   2.500   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   4   4   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5   5  20 K2=a/D       0.930   0.000   0.000   2.000   0.060   0.000   0.000    0.000    0.000    0.000    0.000
COEFF-1   6   6   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.130   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7   7   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   8   8   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   9   9   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  10  10  20 K2=a/D       0.930   0.000   0.000   2.000   0.010   0.000   0.000    0.000    0.000    0.000    0.000
COEFF-1  11  11   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  12  12   3 OCONNER-DOBB  0.000   0.000   0.000   2.000   0.310   0.000   0.000    0.000    0.000    0.000    0.000    0.000
ENDATA12
$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
CARD TYPE     REACH  ID      ORG-N    ORG-N   ORGN CONV      NH3      NH3     PHOS    DENIT
                          DECA     SETT  TO NH3 SRCE     DECA     SRCE     SRCE     RATE
COEFF-2         1   1     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         2   2     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         3   3     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         4   4     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         5   5     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         6   6     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         7   7     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         8   8     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2         9   9     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        10  10     0.003    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        11  11     0.010    0.000    0.000    0.200    0.000    0.000    0.000
COEFF-2        12  12     0.010    0.000    0.000    0.200    0.000    0.000    0.000
ENDATA13
$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$
CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
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                    DEPTH    CHL A    SETT    TO SOD     GROW     RESP     GROW     RESP   SHADING
ENDATA14
$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$
CARD TYPE     REACH  ID   COLIFORM      NCM      NCM   NCM CONV
                   DIE-OFF    DECAY     SETT    TO SOD
ENDATA15
$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE     REACH  ID      OUTFLOW     INFLOW     TEMP    SALIN     CM-I    CM-II   IN/DIST  OUT/DIST
INCR-1          1   1     -0.10000    2.98740    30.00     0.00     0.00     0.00  0.64943  -0.02174
INCR-1          2   2     -6.10000    2.98740    30.00     0.00     0.00     0.00  0.96368  -1.96774
INCR-1          3   3      0.00000    0.08500    30.00     0.00     0.00     0.00  0.02179   0.00000
INCR-1          4   4      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          5   5      0.00000    0.48000    30.00     0.00     0.00     0.00  0.20000   0.00000
INCR-1          6   6      0.00000    0.02000    30.00     0.00     0.00     0.00  0.04000   0.00000
INCR-1          7   7      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          8   8      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1          9   9      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
INCR-1         10  10      0.00000    0.09880    30.00     0.00     0.00     0.00  0.09880   0.00000
INCR-1         11  11      0.00000    0.01420    30.00     0.00     0.00     0.00  0.14200   0.00000
INCR-1         12  12      0.00000    0.00000    30.00     0.00     0.00     0.00  0.00000   0.00000
ENDATA16
$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE     REACH  ID        DO      BOD    ORG-N    NH3-N    NO3-N     BOD#2
INCR-2          1   1      5.00    28.00     2.00     1.00     0.04     0.00
INCR-2          2   2      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          3   3      5.00    60.00     6.00     1.00     0.04     0.00
INCR-2          4   4      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          5   5      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          6   6      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2          7   7      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          8   8      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2          9   9      0.00     0.00     0.00     0.00     0.00     0.00
INCR-2         10  10      5.00    60.00     2.40     1.00     0.04     0.00
INCR-2         11  11      5.00    45.00     2.00     1.00     0.04     0.00
INCR-2         12  12      0.00     0.00     0.00     0.00     0.00     0.00
ENDATA17
$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
 CARD TYPE     REACH  ID       PHOS    CHL A     COLI      NCM
ENDATA18
$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$
CARD TYPE     REACH  ID      BOD#1    ORG-N     COLI      NCM       DO     BOD#2
NONPOINT        1   1       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        2   2       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        3   3       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        4   4       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        5   5       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        6   6       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        7   7       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        8   8       0.00     0.00     0.00     0.00     0.00     0.00
NONPOINT        9   9       0.00     0.00     0.00     0.00     0.00     0.00
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NONPOINT      10  10     0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      11  11     0.00    0.00    0.00    0.00    0.00    0.00
NONPOINT      12  12     0.00    0.00    0.00    0.00    0.00    0.00
ENDATA19
$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME              UNIT    FLOW    FLOW   TEMP   SALIN    CM-I    CM-II
                                         m³/s    cfs   deg C    ppt
HDWTR-1        1    Lake de Cade         0  11.45895  404.624   31.10    0.00    0.000    0.000  0.00
HDWTR-1      143    Lake Theriot         0   0.00324   0.114   30.00    0.00    0.000    0.000  0.00
HDWTR-1      233    Lake Hache           0   0.00033   0.012   30.00    0.00    0.000    0.000  0.00
ENDATA20
$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$
CARD TYPE    ELEMENT   NAME                    DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                             mg/L     mg/L     mg/L     mg/L     mg/L     mg/L
HDWTR-2        1    Lake de Cade            6.50     2.72     0.80     0.10     0.04     0.00
HDWTR-2      143    Lake Theriot            6.90     2.72     0.90     0.10     0.04     0.00
HDWTR-2      233    Lake Hache              8.70    60.00     2.10     0.10     0.04     0.00
ENDATA21
$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                   PHOS    CHL A     COLI      NCM
                                             mg/L     mg/L     mg/L     mg/L
ENDATA22
$$$ DATA TYPE 23 (JUNCTION DATA) $$$
CARD TYPE   JUNCTION   UPSTRM    RIVER    NAME
         ELEMENT  ELEMENT    KILOM
JUNCTION      172    142      6.70   Lake Theriot - Minors Canal
JUNCTION      244    232      0.60   Lake Hache - Minors Canal
ENDATA23
$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$
CARD TYPE  ELEMENT    RKILO  NAME                FLOW      FLOW     FLOW   TEMP   SALIN    CM-I    CM-II
                                              m³/s      cfs      MGD   deg C    ppt
WSTLD-1      23      18.70  LAG480431         0.00011   0.00388   0.003   30.00    0.00    0.000    0.000
ENDATA24
$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                % BOD                    %
CARD TYPE    ELEMENT   NAME                    DO      BOD     RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                             mg/L     mg/L     mg/L     mg/L     mg/L     mg/L
WSTLD-2        23    LAG480431               5.00   103.50     0.00     7.50    15.00     0.00     0.00     0.00
ENDATA25
$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
CARD TYPE    ELEMENT   NAME                   PHOS    CHL A     COLI      NCM
                                             mg/L     mg/L     mg/L     mg/L
ENDATA26
$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
CARD TYPE    CONSTITUENT                CONCENTRATION
LOWER BC     TEMPERATURE                   32.400    deg C
LOWER BC     SALINITY                       0.000    ppt
LOWER BC     CONSERVATIVE MATERIAL I        0.000
LOWER BC     CONSERVATIVE MATERIAL II       0.000
LOWER BC     DISSOLVED OXYGEN               6.100    mg/L
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LOWER BC    BIOCHEMICAL OXYGEN DEMAND          4.700    mg/L
LOWER BC    ORGANIC NITROGEN                   0.000    mg/L
LOWER BC    AMMONIA NITROGEN                   0.100    mg/L
LOWER BC    NITRATE + NITRITE                  0.040    mg/L
LOWER BC    PHOSPHORUS                         0.000    mg/L
LOWER BC    CHLOROPHYLL A                      0.090    µg/L
LOWER BC    COLIFORM                           0.000    #/100 mL
LOWER BC    NONCONSERVATIVE MATERIAL           0.000
ENDATA27
$$$ DATA TYPE 28 (DAM DATA) $$$
CARD TYPE    ELEMENT   NAME          EQN    "A"    "B"    "H"
ENDATA28
$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$
CARD TYPE     PARAMETER    COL 1    COL 2    COL 3    COL 4    COL 5    COL 6    COL 7    COL 8
ENDATA29
$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$
NUMBER OF PLOTS =  3
NUMBER OF REACHES IN PLOT 1 =   8
PLOT RCH  1  2  3  4  7  8  9 12
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  5  6
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH 10 11
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 Lakedecade.OVL          :Lake Decade and Minors C MS
OVERLAY 2 LakeTheriot.OVL         :Lake Theriot and Minors C MS
OVERLAY 3 LakeHache.OVL           :Lake Hache and Minors C MS
ENDATA31
   .....NO ERRORS DETECTED IN INPUT DATA
   .....HYDRAULIC CALCULATIONS COMPLETED
   .....TRIDIAGONAL MATRIX TERMS INITIALIZED
   .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 ITERATIONS
   .....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
   .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
   .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
   .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
INTERMEDIATE REPORT
Dissolved Oxygen                    Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
  mg/L                              TMDL Simulation for Lake de Cade Theriot and Hache model
ID  RCH  ELEM      +0      +1      +2      +3      +4      +5      +6      +7      +8      +9
 1   1    1     6.49    6.49    6.49    6.49    6.49    6.49    6.49    6.50    6.50    6.50
 1   1   11     6.50    6.51    6.51    6.51    6.51    6.52    6.52    6.52    6.52    6.52
 1   1   21     6.53    6.53    6.53    6.53    6.53    6.53    6.53    6.54    6.54    6.54
 1   1   31     6.54    6.54    6.54    6.54    6.54    6.54    6.54    6.54    6.54    6.54
 1   1   41     6.54    6.54    6.54    6.54    6.53    6.52
 2   2   47     6.48    6.43    6.39    6.34    6.29    6.25    6.20    6.15    6.10    6.05
 2   2   57     6.00    5.95    5.91    5.86    5.81    5.76    5.72    5.67    5.63    5.59
 2   2   67     5.54    5.50    5.46    5.42    5.38    5.35    5.31    5.27    5.24    5.21
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 77 | 5.19 | | | | | | | | | |
| 3 | 3 | 78 | 5.18 | 5.17 | 5.17 | 5.16 | 5.15 | 5.14 | 5.14 | 5.13 | 5.12 | 5.12 |
| 3 | 3 | 88 | 5.11 | 5.11 | 5.10 | 5.10 | 5.09 | 5.09 | 5.08 | 5.08 | 5.08 | 5.08 |
| 3 | 3 | 98 | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 5.06 | 5.06 | 5.06 | 5.06 | 5.06 |
| 3 | 3 | 108 | 5.06 | 5.06 | 5.06 | 5.07 | 5.07 | 5.07 | 5.07 | 5.07 | 5.08 | |
| 4 | 4 | 117 | 5.08 | 5.09 | 5.09 | 5.10 | 5.10 | 5.11 | 5.11 | 5.12 | 5.12 | 5.13 |
| 4 | 4 | 127 | 5.13 | 5.14 | 5.14 | 5.14 | 5.15 | 5.15 | 5.16 | 5.16 | 5.17 | 5.17 |
| 4 | 4 | 137 | 5.18 | 5.18 | 5.19 | 5.19 | 5.20 | 5.20 | | | | |
| 7 | 7 | 172 | 5.29 | 5.29 | 5.30 | 5.30 | 5.30 | 5.31 | 5.31 | 5.31 | 5.32 | 5.32 |
| 7 | 7 | 182 | 5.32 | 5.33 | 5.33 | 5.34 | 5.34 | 5.34 | 5.35 | 5.35 | 5.36 | 5.36 |
| 7 | 7 | 192 | 5.36 | 5.37 | 5.37 | 5.38 | 5.38 | 5.39 | 5.39 | 5.39 | 5.40 | 5.40 |
| 7 | 7 | 202 | 5.41 | 5.41 | 5.42 | 5.42 | 5.43 | 5.43 | 5.44 | 5.44 | 5.45 | 5.45 |
| 7 | 7 | 212 | 5.46 | 5.46 | 5.47 | 5.47 | | | | | | |
| 8 | 8 | 216 | 5.47 | 5.48 | 5.48 | 5.48 | 5.48 | 5.49 | 5.49 | 5.49 | | |
| 9 | 9 | 224 | 5.50 | 5.51 | 5.52 | 5.54 | 5.55 | 5.57 | 5.59 | 5.61 | 5.63 | |
| 12 | 12 | 244 | 5.66 | 5.67 | 5.67 | 5.67 | 5.66 | 5.66 | | | | |
| 5 | 5 | 143 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 |
| 5 | 5 | 153 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 |
| 5 | 5 | 163 | 6.66 | 6.66 | 6.66 | 6.66 | | | | | | |
| 6 | 6 | 167 | 6.80 | 6.92 | 7.01 | 7.05 | 6.65 | | | | | |
| 10 | 10 | 233 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.65 |
| 11 | 11 | 243 | 6.67 | | | | | | | | | |

INTERMEDIATE REPORT

Effective BOD — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.72 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.74 | 2.74 | 2.74 | 2.74 |
| 1 | 1 | 11 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| 1 | 1 | 21 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.76 |
| 1 | 1 | 31 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| 1 | 1 | 41 | 2.76 | 2.76 | 2.77 | 2.78 | 2.81 | 2.87 | | | | |
| 2 | 2 | 47 | 3.05 | 3.24 | 3.43 | 3.60 | 3.78 | 3.95 | 4.11 | 4.27 | 4.43 | 4.58 |
| 2 | 2 | 57 | 4.73 | 4.87 | 5.01 | 5.14 | 5.27 | 5.40 | 5.52 | 5.64 | 5.76 | 5.87 |
| 2 | 2 | 67 | 5.98 | 6.08 | 6.19 | 6.29 | 6.38 | 6.47 | 6.56 | 6.65 | 6.73 | 6.80 |
| 2 | 2 | 77 | 6.85 | | | | | | | | | |
| 3 | 3 | 78 | 6.84 | 6.84 | 6.84 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 | 6.81 | 6.81 |
| 3 | 3 | 88 | 6.81 | 6.80 | 6.80 | 6.80 | 6.79 | 6.79 | 6.78 | 6.78 | 6.78 | 6.77 |
| 3 | 3 | 98 | 6.77 | 6.77 | 6.76 | 6.76 | 6.76 | 6.75 | 6.75 | 6.75 | 6.74 | 6.74 |
| 3 | 3 | 108 | 6.73 | 6.73 | 6.73 | 6.72 | 6.72 | 6.72 | 6.71 | 6.71 | 6.71 | |
| 4 | 4 | 117 | 6.70 | 6.70 | 6.69 | 6.68 | 6.68 | 6.67 | 6.67 | 6.66 | 6.66 | 6.65 |
| 4 | 4 | 127 | 6.65 | 6.64 | 6.64 | 6.63 | 6.62 | 6.62 | 6.61 | 6.61 | 6.60 | 6.60 |
| 4 | 4 | 137 | 6.59 | 6.59 | 6.58 | 6.58 | 6.57 | 6.57 | | | | |
| 7 | 7 | 172 | 6.47 | 6.45 | 6.42 | 6.40 | 6.38 | 6.36 | 6.33 | 6.31 | 6.29 | 6.26 |
| 7 | 7 | 182 | 6.24 | 6.22 | 6.20 | 6.17 | 6.15 | 6.13 | 6.11 | 6.09 | 6.06 | 6.04 |
| 7 | 7 | 192 | 6.02 | 6.00 | 5.98 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.85 | 5.83 |
| 7 | 7 | 202 | 5.81 | 5.79 | 5.77 | 5.75 | 5.73 | 5.71 | 5.68 | 5.66 | 5.64 | 5.62 |
| 7 | 7 | 212 | 5.60 | 5.58 | 5.56 | 5.54 | | | | | | |
| 8 | 8 | 216 | 5.50 | 5.45 | 5.40 | 5.36 | 5.31 | 5.26 | 5.22 | 5.18 | | |
| 9 | 9 | 224 | 5.16 | 5.15 | 5.14 | 5.13 | 5.12 | 5.10 | 5.09 | 5.08 | 5.07 | |
| 12 | 12 | 244 | 5.23 | 5.22 | 5.21 | 5.20 | 5.19 | 5.18 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5 | 143 | 3.67 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 153 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 163 | 3.68 | 3.68 | 3.68 | 3.69 | | | | | | |
| 6 | 6 | 167 | 3.97 | 4.22 | 4.47 | 4.75 | 5.34 | | | | | |
| 10 | 10 | 233 | 25.28 | 24.95 | 24.87 | 24.84 | 24.83 | 24.82 | 24.82 | 24.81 | 24.81 | 21.71 |
| 11 | 11 | 243 | 12.66 | | | | | | | | | |

INTERMEDIATE REPORT

Biochemical Oxygen Demand — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.72 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.74 | 2.74 | 2.74 | 2.74 |
| 1 | 1 | 11 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| 1 | 1 | 21 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.76 |
| 1 | 1 | 31 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| 1 | 1 | 41 | 2.76 | 2.76 | 2.77 | 2.78 | 2.81 | 2.87 | | | | |
| 2 | 2 | 47 | 3.05 | 3.24 | 3.43 | 3.60 | 3.78 | 3.95 | 4.11 | 4.27 | 4.43 | 4.58 |
| 2 | 2 | 57 | 4.73 | 4.87 | 5.01 | 5.14 | 5.27 | 5.40 | 5.52 | 5.64 | 5.76 | 5.87 |
| 2 | 2 | 67 | 5.98 | 6.08 | 6.19 | 6.29 | 6.38 | 6.47 | 6.56 | 6.65 | 6.73 | 6.80 |
| 2 | 2 | 77 | 6.85 | | | | | | | | | |
| 3 | 3 | 78 | 6.84 | 6.84 | 6.84 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 | 6.81 | 6.81 |
| 3 | 3 | 88 | 6.81 | 6.80 | 6.80 | 6.80 | 6.79 | 6.79 | 6.78 | 6.78 | 6.78 | 6.77 |
| 3 | 3 | 98 | 6.77 | 6.77 | 6.76 | 6.76 | 6.76 | 6.75 | 6.75 | 6.75 | 6.74 | 6.74 |
| 3 | 3 | 108 | 6.73 | 6.73 | 6.73 | 6.72 | 6.72 | 6.72 | 6.71 | 6.71 | 6.71 | |
| 4 | 4 | 117 | 6.70 | 6.70 | 6.69 | 6.68 | 6.68 | 6.67 | 6.67 | 6.66 | 6.66 | 6.65 |
| 4 | 4 | 127 | 6.65 | 6.64 | 6.64 | 6.63 | 6.62 | 6.62 | 6.61 | 6.61 | 6.60 | 6.60 |
| 4 | 4 | 137 | 6.59 | 6.59 | 6.58 | 6.58 | 6.57 | 6.57 | | | | |
| 7 | 7 | 172 | 6.47 | 6.45 | 6.42 | 6.40 | 6.38 | 6.36 | 6.33 | 6.31 | 6.29 | 6.26 |
| 7 | 7 | 182 | 6.24 | 6.22 | 6.20 | 6.17 | 6.15 | 6.13 | 6.11 | 6.09 | 6.06 | 6.04 |
| 7 | 7 | 192 | 6.02 | 6.00 | 5.98 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.85 | 5.83 |
| 7 | 7 | 202 | 5.81 | 5.79 | 5.77 | 5.75 | 5.73 | 5.71 | 5.68 | 5.66 | 5.64 | 5.62 |
| 7 | 7 | 212 | 5.60 | 5.58 | 5.56 | 5.54 | | | | | | |
| 8 | 8 | 216 | 5.50 | 5.45 | 5.40 | 5.36 | 5.31 | 5.26 | 5.22 | 5.18 | | |
| 9 | 9 | 224 | 5.16 | 5.15 | 5.14 | 5.13 | 5.12 | 5.10 | 5.09 | 5.08 | 5.07 | |
| 12 | 12 | 244 | 5.23 | 5.22 | 5.21 | 5.20 | 5.19 | 5.18 | | | | |
| 5 | 5 | 143 | 3.67 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 153 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 5 | 5 | 163 | 3.68 | 3.68 | 3.68 | 3.69 | | | | | | |
| 6 | 6 | 167 | 3.97 | 4.22 | 4.47 | 4.75 | 5.34 | | | | | |
| 10 | 10 | 233 | 25.28 | 24.95 | 24.87 | 24.84 | 24.83 | 24.82 | 24.82 | 24.81 | 24.81 | 21.71 |
| 11 | 11 | 243 | 12.66 | | | | | | | | | |

INTERMEDIATE REPORT

Organic Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.81 | 0.82 | 0.82 | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 | 0.86 | 0.86 |
| 1 | 1 | 11 | 0.87 | 0.87 | 0.88 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.91 |
| 1 | 1 | 21 | 0.92 | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.96 |
| 1 | 1 | 31 | 0.96 | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 |
| 1 | 1 | 41 | 1.00 | 1.01 | 1.01 | 1.01 | 1.02 | 1.02 | | | | |
| 2 | 2 | 47 | 1.03 | 1.03 | 1.04 | 1.05 | 1.05 | 1.06 | 1.06 | 1.07 | 1.08 | 1.08 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 57 | 1.09 | 1.09 | 1.10 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.14 | 1.14 |
| 2 | 2 | 67 | 1.15 | 1.15 | 1.16 | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 | 1.20 | 1.20 |
| 2 | 2 | 77 | 1.20 | | | | | | | | | |
| 3 | 3 | 78 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |
| 3 | 3 | 88 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 3 | 3 | 98 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| 3 | 3 | 108 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.24 | 1.24 | 1.24 | |
| 4 | 4 | 117 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| 4 | 4 | 127 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| 4 | 4 | 137 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | | | | |
| 7 | 7 | 172 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 182 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 192 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 202 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 7 | 7 | 212 | 1.22 | 1.22 | 1.22 | 1.22 | | | | | | |
| 8 | 8 | 216 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | | |
| 9 | 9 | 224 | 1.22 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | |
| 12 | 12 | 244 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | | | | |
| 5 | 5 | 143 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| 5 | 5 | 153 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| 5 | 5 | 163 | 0.83 | 0.83 | 0.83 | 0.83 | | | | | | |
| 6 | 6 | 167 | 0.84 | 0.85 | 0.86 | 0.88 | 0.98 | | | | | |
| 10 | 10 | 233 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.73 |
| 11 | 11 | 243 | 1.48 | | | | | | | | | |

INTERMEDIATE REPORT

Ammonia Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 |
| 1 | 1 | 11 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 21 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 31 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 1 | 1 | 41 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | | | | |
| 2 | 2 | 47 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 |
| 2 | 2 | 57 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 |
| 2 | 2 | 67 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 2 | 2 | 77 | 0.11 | | | | | | | | | |
| 3 | 3 | 78 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 88 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 98 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 3 | 3 | 108 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | |
| 4 | 4 | 117 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 127 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 4 | 4 | 137 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | | | | |
| 7 | 7 | 172 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 182 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 192 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 202 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 7 | 7 | 212 | 0.10 | 0.10 | 0.10 | 0.10 | | | | | | |
| 8 | 8 | 216 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 9 | 224 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 12 | 12 | 244 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | |
| 5 | 5 | 143 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 5 | 5 | 153 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 5 | 5 | 163 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | |
| 6 | 6 | 167 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | | | | | |
| 10 | 10 | 233 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 11 | 11 | 243 | 0.10 | | | | | | | | | |

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Total Nitrogen — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

mg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.93 | 0.92 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.93 | 0.93 | 0.93 |
| 1 | 1 | 11 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 |
| 1 | 1 | 21 | 0.98 | 0.98 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.01 | 1.01 | 1.02 |
| 1 | 1 | 31 | 1.02 | 1.02 | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.06 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 41 | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.08 | | | | |
| 2 | 2 | 47 | 1.09 | 1.10 | 1.11 | 1.12 | 1.12 | 1.13 | 1.14 | 1.15 | 1.16 | 1.16 |
| 2 | 2 | 57 | 1.17 | 1.18 | 1.19 | 1.20 | 1.20 | 1.21 | 1.22 | 1.22 | 1.23 | 1.24 |
| 2 | 2 | 67 | 1.25 | 1.25 | 1.26 | 1.27 | 1.27 | 1.28 | 1.29 | 1.29 | 1.30 | 1.31 |
| 2 | 2 | 77 | 1.31 | | | | | | | | | |
| 3 | 3 | 78 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 3 | 3 | 88 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 |
| 3 | 3 | 98 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 |
| 3 | 3 | 108 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | |
| 4 | 4 | 117 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| 4 | 4 | 127 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| 4 | 4 | 137 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | | | | |
| 7 | 7 | 172 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 182 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 192 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 7 | 7 | 202 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 |
| 7 | 7 | 212 | 1.31 | 1.31 | 1.31 | 1.31 | | | | | | |
| 8 | 8 | 216 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | | |
| 9 | 9 | 224 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | |
| 12 | 12 | 244 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.30 | | | | |
| 5 | 5 | 143 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 5 | 5 | 153 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 5 | 5 | 163 | 0.87 | 0.87 | 0.87 | 0.87 | | | | | | |
| 6 | 6 | 167 | 0.89 | 0.91 | 0.92 | 0.95 | 1.06 | | | | | |
| 10 | 10 | 233 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.77 |
| 11 | 11 | 243 | 1.58 | | | | | | | | | |

INTERMEDIATE REPORT

Chlorophyll a — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

µg/L — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 1 | 1 | 41 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | | |
| 2 | 2 | 47 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 57 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 67 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| 2 | 2 | 77 | 20.00 | | | | | | | | | |
| 3 | 3 | 78 | 20.85 | 21.69 | 22.54 | 23.38 | 24.23 | 25.08 | 25.92 | 26.77 | 27.62 | 28.46 |
| 3 | 3 | 88 | 29.31 | 30.15 | 31.00 | 31.85 | 32.69 | 33.54 | 34.38 | 35.23 | 36.08 | 36.92 |
| 3 | 3 | 98 | 37.77 | 38.62 | 39.46 | 40.31 | 41.15 | 42.00 | 42.85 | 43.69 | 44.54 | 45.38 |
| 3 | 3 | 108 | 46.23 | 47.08 | 47.92 | 48.77 | 49.62 | 50.46 | 51.31 | 52.15 | 53.00 | |
| 4 | 4 | 117 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 4 | 4 | 127 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 4 | 4 | 137 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | | | |
| 7 | 7 | 172 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 182 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 192 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 7 | 7 | 202 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 212 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | | |
| 8 | 8 | 216 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | |
| 9 | 9 | 224 | 57.56 | 62.11 | 66.67 | 71.22 | 75.78 | 80.33 | 84.89 | 89.44 | 94.00 | |
| 12 | 12 | 244 | 78.35 | 62.70 | 47.04 | 31.39 | 15.74 | 0.09 | | | | |
| 5 | 5 | 143 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 5 | 5 | 153 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 |
| 5 | 5 | 163 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | | |
| 6 | 6 | 167 | 53.00 | 53.00 | 53.00 | 53.00 | 53.00 | | | | | |
| 10 | 10 | 233 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 | 94.00 |
| 11 | 11 | 243 | 94.00 | | | | | | | | | |

INTERMEDIATE REPORT

Temperature — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

deg C — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 11 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 21 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 31 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 1 | 1 | 41 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | |
| 2 | 2 | 47 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 57 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 67 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 2 | 2 | 77 | 31.10 | | | | | | | | | |
| 3 | 3 | 78 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 88 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 98 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 3 | 3 | 108 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | |
| 4 | 4 | 117 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 4 | 4 | 127 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 4 | 4 | 137 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | |
| 7 | 7 | 172 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 182 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 192 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 202 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 7 | 7 | 212 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | | |
| 8 | 8 | 216 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | |
| 9 | 9 | 224 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | |
| 12 | 12 | 244 | 31.32 | 31.53 | 31.75 | 31.97 | 32.18 | 32.40 | | | | |
| 5 | 5 | 143 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 5 | 5 | 153 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 5 | 5 | 163 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | | |
| 6 | 6 | 167 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | | | | | |
| 10 | 10 | 233 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 | 31.10 |
| 11 | 11 | 243 | 31.10 | | | | | | | | | |

INTERMEDIATE REPORT

Salinity — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

ppt — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Reaeration Rate per day — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 11 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 21 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 31 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 1 | 1 | 41 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | | | | |
| 2 | 2 | 47 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 57 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 67 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 | 0.735 |
| 2 | 2 | 77 | 0.735 | | | | | | | | | |
| 3 | 3 | 78 | 1.345 | 1.345 | 1.345 | 1.345 | 1.345 | 1.346 | 1.346 | 1.346 | 1.346 | 1.346 |
| 3 | 3 | 88 | 1.346 | 1.346 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 | 1.347 |
| 3 | 3 | 98 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.348 | 1.349 | 1.349 |
| 3 | 3 | 108 | 1.349 | 1.349 | 1.349 | 1.349 | 1.349 | 1.350 | 1.350 | 1.350 | 1.350 | |
| 4 | 4 | 117 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 |
| 4 | 4 | 127 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 |
| 4 | 4 | 137 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | 2.134 | | | | |
| 7 | 7 | 172 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 182 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 192 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 202 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 | 1.017 |
| 7 | 7 | 212 | 1.017 | 1.017 | 1.017 | 1.017 | | | | | | |
| 8 | 8 | 216 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | | |
| 9 | 9 | 224 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | 1.259 | |
| 12 | 12 | 244 | 1.556 | 1.561 | 1.567 | 1.573 | 1.579 | 1.584 | | | | |
| 5 | 5 | 143 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 |
| 5 | 5 | 153 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 | 1.425 |
| 5 | 5 | 163 | 1.425 | 1.425 | 1.425 | 1.425 | | | | | | |
| 6 | 6 | 167 | 0.451 | 0.451 | 0.451 | 0.451 | 0.451 | | | | | |
| 10 | 10 | 233 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 |
| 11 | 11 | 243 | 0.554 | | | | | | | | | |

INTERMEDIATE REPORT

BOD Decay Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 11 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 31 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 1 | 1 | 41 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | | | | |
| 2 | 2 | 47 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 57 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 67 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 2 | 2 | 77 | 0.22 | | | | | | | | | |
| 3 | 3 | 78 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 88 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 98 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 3 | 3 | 108 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | |
| 4 | 4 | 117 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 4 | 4 | 127 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 4 | 4 | 137 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | | | | |
| 7 | 7 | 172 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 182 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 192 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 202 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| 7 | 7 | 212 | 0.52 | 0.52 | 0.52 | 0.52 | | | | | | |
| 8 | 8 | 216 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | | |
| 9 | 9 | 224 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | |
| 12 | 12 | 244 | 0.52 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | | | | |
| 5 | 5 | 143 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 5 | 5 | 153 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 5 | 5 | 163 | 0.10 | 0.10 | 0.10 | 0.10 | | | | | | |
| 6 | 6 | 167 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | | | | | |
| 10 | 10 | 233 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 11 | 11 | 243 | 0.52 | | | | | | | | | |

INTERMEDIATE REPORT

BOD Settling Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 2 | 47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2 | 77 | 0.00 | | | | | | | | | |
| 3 | 3 | 78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 3 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 4 | 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 4 | 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 7 | 7 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 182 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 192 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 202 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 7 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 8 | 8 | 216 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 9 | 9 | 224 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 12 | 244 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 5 | 5 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 6 | 6 | 167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10 | 10 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 11 | 243 | 0.00 | | | | | | | | | |

INTERMEDIATE REPORT

Ammonia Decay Rate — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

per day — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 11 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 21 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 31 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 1 | 1 | 41 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | | | | |
| 2 | 2 | 47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |
| 2 | 2 | 57 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 |
| 2 | 2 | 67 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 2 | 2 | 77 | 0.45 | | | | | | | | | |
| 3 | 3 | 78 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 3 | 3 | 88 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 3 | 3 | 98 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 3 | 3 | 108 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | |
| 4 | 4 | 117 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 4 | 4 | 127 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 4 | 4 | 137 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 172 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 182 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 192 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 202 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 7 | 7 | 212 | 0.45 | 0.45 | 0.45 | 0.45 | | | | | | |
| 8 | 8 | 216 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | |
| 9 | 9 | 224 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | |
| 12 | 12 | 244 | 0.46 | 0.47 | 0.48 | 0.49 | 0.50 | 0.51 | | | | |
| 5 | 5 | 143 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 5 | 5 | 153 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 5 | 5 | 163 | 0.47 | 0.47 | 0.47 | 0.47 | | | | | | |
| 6 | 6 | 167 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | | | | | |
| 10 | 10 | 233 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| 11 | 11 | 243 | 0.47 | | | | | | | | | |

INTERMEDIATE REPORT

Sediment Oxygen Demand — Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

g/m²/d — TMDL Simulation for Lake de Cade Theriot and Hache model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 11 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 21 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 31 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| 1 | 1 | 41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | | | | |
| 2 | 2 | 47 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 57 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 67 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| 2 | 2 | 77 | 2.82 | | | | | | | | | |
| 3 | 3 | 78 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 88 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 98 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| 3 | 3 | 108 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 | |
| 4 | 4 | 117 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 4 | 4 | 127 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 4 | 4 | 137 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | | | |
| 7 | 7 | 172 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 182 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 192 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 202 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 7 | 7 | 212 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | | |
| 8 | 8 | 216 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | |
| 9 | 9 | 224 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | |
| 12 | 12 | 244 | 4.08 | 4.13 | 4.19 | 4.25 | 4.31 | 4.37 | | | | |
| 5 | 5 | 143 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 5 | 5 | 153 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 5 | 5 | 163 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | | |
| 6 | 6 | 167 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | | | | | |
| 10 | 10 | 233 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| 11 | 11 | 243 | 4.02 | | | | | | | | | |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

ADVEC MEAN DO REAER BOD1 BOD1 BOD2 BOD2 NH3

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | VELO | VELO | SAT | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| | | | HDWTR | 11.459 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | | | | | | | | | | | | | |
| 1 | 1 | 1 | 20.80 | 11.522 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 2 | 1 | 1 | 20.70 | 11.584 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 3 | 1 | 1 | 20.60 | 11.647 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 4 | 1 | 1 | 20.50 | 11.710 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 5 | 1 | 1 | 20.40 | 11.773 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 6 | 1 | 1 | 20.30 | 11.836 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 7 | 1 | 1 | 20.20 | 11.898 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 8 | 1 | 1 | 20.10 | 11.961 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 9 | 1 | 1 | 20.00 | 12.024 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 10 | 1 | 1 | 19.90 | 12.087 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 11 | 1 | 1 | 19.80 | 12.149 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 12 | 1 | 1 | 19.70 | 12.212 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 13 | 1 | 1 | 19.60 | 12.275 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 14 | 1 | 1 | 19.50 | 12.338 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 15 | 1 | 1 | 19.40 | 12.400 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 16 | 1 | 1 | 19.30 | 12.463 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 17 | 1 | 1 | 19.20 | 12.526 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 18 | 1 | 1 | 19.10 | 12.589 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 19 | 1 | 1 | 19.00 | 12.652 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 20 | 1 | 1 | 18.90 | 12.714 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 21 | 1 | 1 | 18.80 | 12.777 | 31.1 | 0.0 | 6.5 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 22 | 1 | 1 | 18.70 | 12.840 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| WASTELOAD # 023 (LAG480431) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 1 | 1 | 18.60 | 12.903 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 24 | 1 | 1 | 18.50 | 12.966 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.005 | 0.005 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 25 | 1 | 1 | 18.40 | 13.028 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 26 | 1 | 1 | 18.30 | 13.091 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 27 | 1 | 1 | 18.20 | 13.154 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 28 | 1 | 1 | 18.10 | 13.217 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 29 | 1 | 1 | 18.00 | 13.279 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 30 | 1 | 1 | 17.90 | 13.342 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 31 | 1 | 1 | 17.80 | 13.405 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 32 | 1 | 1 | 17.70 | 13.468 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 33 | 1 | 1 | 17.60 | 13.530 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 34 | 1 | 1 | 17.50 | 13.593 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 35 | 1 | 1 | 17.40 | 13.656 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 36 | 1 | 1 | 17.30 | 13.719 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 37 | 1 | 1 | 17.20 | 13.782 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 38 | 1 | 1 | 17.10 | 13.844 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 39 | 1 | 1 | 17.00 | 13.907 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 40 | 1 | 1 | 16.90 | 13.970 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 41 | 1 | 1 | 16.80 | 14.033 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 42 | 1 | 1 | 16.70 | 14.095 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 43 | 1 | 1 | 16.60 | 14.158 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 44 | 1 | 1 | 16.50 | 14.221 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 45 | 1 | 1 | 16.40 | 14.284 | 31.1 | 0.0 | 6.5 | 2.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |
| 46 | 1 | 1 | 16.30 | 14.346 | 31.1 | 0.0 | 6.5 | 2.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551 | 527.0 | 0.006 | 0.006 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.41 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 2 | 2 | 16.20 | 14.246 | 31.1 | 0.0 | 6.5 | 3.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 48 | 2 | 2 | 16.10 | 14.146 | 31.1 | 0.0 | 6.4 | 3.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 49 | 2 | 2 | 16.00 | 14.045 | 31.1 | 0.0 | 6.4 | 3.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 2.82 |
| 50 | 2 | 2 | 15.90 | 13.945 | 31.1 | 0.0 | 6.3 | 3.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 51 | 2 | 2 | 15.80 | 13.844 | 31.1 | 0.0 | 6.3 | 3.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 52 | 2 | 2 | 15.70 | 13.744 | 31.1 | 0.0 | 6.2 | 3.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 53 | 2 | 2 | 15.60 | 13.644 | 31.1 | 0.0 | 6.2 | 4.1 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.009 | 0.009 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 54 | 2 | 2 | 15.50 | 13.543 | 31.1 | 0.0 | 6.1 | 4.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 55 | 2 | 2 | 15.40 | 13.443 | 31.1 | 0.0 | 6.1 | 4.4 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 56 | 2 | 2 | 15.30 | 13.342 | 31.1 | 0.0 | 6.1 | 4.6 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 57 | 2 | 2 | 15.20 | 13.242 | 31.1 | 0.0 | 6.0 | 4.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 58 | 2 | 2 | 15.10 | 13.142 | 31.1 | 0.0 | 6.0 | 4.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 59 | 2 | 2 | 15.00 | 13.041 | 31.1 | 0.0 | 5.9 | 5.0 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 60 | 2 | 2 | 14.90 | 12.941 | 31.1 | 0.0 | 5.9 | 5.1 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 61 | 2 | 2 | 14.80 | 12.840 | 31.1 | 0.0 | 5.8 | 5.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 62 | 2 | 2 | 14.70 | 12.740 | 31.1 | 0.0 | 5.8 | 5.4 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 63 | 2 | 2 | 14.60 | 12.640 | 31.1 | 0.0 | 5.7 | 5.5 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.46 | 2.82 |
| 64 | 2 | 2 | 14.50 | 12.539 | 31.1 | 0.0 | 5.7 | 5.6 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 65 | 2 | 2 | 14.40 | 12.439 | 31.1 | 0.0 | 5.6 | 5.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 66 | 2 | 2 | 14.30 | 12.338 | 31.1 | 0.0 | 5.6 | 5.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 67 | 2 | 2 | 14.20 | 12.238 | 31.1 | 0.0 | 5.5 | 6.0 | 0.0 | 1.1 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 68 | 2 | 2 | 14.10 | 12.137 | 31.1 | 0.0 | 5.5 | 6.1 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 69 | 2 | 2 | 14.00 | 12.037 | 31.1 | 0.0 | 5.5 | 6.2 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.008 | 0.008 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 70 | 2 | 2 | 13.90 | 11.937 | 31.1 | 0.0 | 5.4 | 6.3 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 71 | 2 | 2 | 13.80 | 11.836 | 31.1 | 0.0 | 5.4 | 6.4 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 72 | 2 | 2 | 13.70 | 11.736 | 31.1 | 0.0 | 5.3 | 6.5 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 73 | 2 | 2 | 13.60 | 11.635 | 31.1 | 0.0 | 5.3 | 6.6 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 74 | 2 | 2 | 13.50 | 11.535 | 31.1 | 0.0 | 5.3 | 6.6 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 75 | 2 | 2 | 13.40 | 11.435 | 31.1 | 0.0 | 5.2 | 6.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 76 | 2 | 2 | 13.30 | 11.334 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 77 | 2 | 2 | 13.20 | 11.234 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.0 | 0.5 | 1.551029.0 | 0.007 | 0.007 | 7.4 | 0.735 | 0.22 | 0.00 | 0.00 | 0.00 | 0.45 | 2.82 |
| 78 | 3 | 3 | 13.10 | 11.236 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 20.8 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 79 | 3 | 3 | 13.00 | 11.238 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 21.7 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 80 | 3 | 3 | 12.90 | 11.240 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 22.5 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 81 | 3 | 3 | 12.80 | 11.243 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 23.4 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 82 | 3 | 3 | 12.70 | 11.245 | 31.1 | 0.0 | 5.2 | 6.8 | 0.0 | 1.2 | 0.1 | 24.2 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.345 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 83 | 3 | 3 | 12.60 | 11.247 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 25.1 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 84 | 3 | 3 | 12.50 | 11.249 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 25.9 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 85 | 3 | 3 | 12.40 | 11.251 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 26.8 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 86 | 3 | 3 | 12.30 | 11.253 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 27.6 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 87 | 3 | 3 | 12.20 | 11.256 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 28.5 | 0.4 | 1.55 | 25.0 | 0.290 | 0.290 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 88 | 3 | 3 | 12.10 | 11.258 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 29.3 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 89 | 3 | 3 | 12.00 | 11.260 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 30.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.346 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 90 | 3 | 3 | 11.90 | 11.262 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 31.0 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 91 | 3 | 3 | 11.80 | 11.264 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 31.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |
| 92 | 3 | 3 | 11.70 | 11.267 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 32.7 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 5.03 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 3 | 3 | 11.60 | 11.269 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 33.5 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 94 | 3 | 3 | 11.50 | 11.271 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 34.4 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 95 | 3 | 3 | 11.40 | 11.273 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 35.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 96 | 3 | 3 | 11.30 | 11.275 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 36.1 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 97 | 3 | 3 | 11.20 | 11.277 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 36.9 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.347 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 98 | 3 | 3 | 11.10 | 11.280 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 37.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 99 | 3 | 3 | 11.00 | 11.282 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 38.6 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 100 | 3 | 3 | 10.90 | 11.284 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 39.5 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 101 | 3 | 3 | 10.80 | 11.286 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 40.3 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 102 | 3 | 3 | 10.70 | 11.288 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 41.2 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 103 | 3 | 3 | 10.60 | 11.290 | 31.1 | 0.0 | 5.1 | 6.8 | 0.0 | 1.2 | 0.1 | 42.0 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 104 | 3 | 3 | 10.50 | 11.293 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 42.8 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 105 | 3 | 3 | 10.40 | 11.295 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 43.7 | 0.4 | 1.55 | 25.0 | 0.291 | 0.291 | 7.4 | 1.348 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 106 | 3 | 3 | 10.30 | 11.297 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 44.5 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 107 | 3 | 3 | 10.20 | 11.299 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 45.4 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 108 | 3 | 3 | 10.10 | 11.301 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 46.2 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 109 | 3 | 3 | 10.00 | 11.304 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 47.1 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 110 | 3 | 3 | 9.90 | 11.306 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 47.9 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 111 | 3 | 3 | 9.80 | 11.308 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 48.8 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 112 | 3 | 3 | 9.70 | 11.310 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 49.6 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.349 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 113 | 3 | 3 | 9.60 | 11.312 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 50.5 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 114 | 3 | 3 | 9.50 | 11.314 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 51.3 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 115 | 3 | 3 | 9.40 | 11.317 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 52.2 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 116 | 3 | 3 | 9.30 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.4 | 1.55 | 25.0 | 0.292 | 0.292 | 7.4 | 1.350 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 5.03 |
| 117 | 4 | 4 | 9.20 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 118 | 4 | 4 | 9.10 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 119 | 4 | 4 | 9.00 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.44 | 4.02 |
| 120 | 4 | 4 | 8.90 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 121 | 4 | 4 | 8.80 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 122 | 4 | 4 | 8.70 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 123 | 4 | 4 | 8.60 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 124 | 4 | 4 | 8.50 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 125 | 4 | 4 | 8.40 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 126 | 4 | 4 | 8.30 | 11.319 | 31.1 | 0.0 | 5.1 | 6.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 127 | 4 | 4 | 8.20 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 128 | 4 | 4 | 8.10 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 129 | 4 | 4 | 8.00 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 130 | 4 | 4 | 7.90 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 131 | 4 | 4 | 7.80 | 11.319 | 31.1 | 0.0 | 5.1 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 132 | 4 | 4 | 7.70 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 133 | 4 | 4 | 7.60 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 134 | 4 | 4 | 7.50 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 135 | 4 | 4 | 7.40 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 136 | 4 | 4 | 7.30 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 137 | 4 | 4 | 7.20 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 138 | 4 | 4 | 7.10 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 139 | 4 | 4 | 7.00 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 140 | 4 | 4 | 6.90 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 141 | 4 | 4 | 6.80 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 142 | 4 | 4 | 6.70 | 11.319 | 31.1 | 0.0 | 5.2 | 6.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.3 | 1.55 | 10.0 | 0.730 | 0.730 | 7.4 | 2.134 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

TRIBUTARY # 143 (Lake Theriot) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 7 | 7 | 6.60 | 11.822 | 31.1 | 0.0 | 5.3 | 6.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 173 | 7 | 7 | 6.50 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 174 | 7 | 7 | 6.40 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

EXPANDED CAPSULE SUMMARY FOR Lake de Cade

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 175 | 7 | 7 | 6.30 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 176 | 7 | 7 | 6.20 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 177 | 7 | 7 | 6.10 | 11.822 | 31.1 | 0.0 | 5.3 | 6.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 178 | 7 | 7 | 6.00 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 179 | 7 | 7 | 5.90 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 180 | 7 | 7 | 5.80 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 181 | 7 | 7 | 5.70 | 11.822 | 31.1 | 0.0 | 5.3 | 6.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 182 | 7 | 7 | 5.60 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 183 | 7 | 7 | 5.50 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 184 | 7 | 7 | 5.40 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 185 | 7 | 7 | 5.30 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 186 | 7 | 7 | 5.20 | 11.822 | 31.1 | 0.0 | 5.3 | 6.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 187 | 7 | 7 | 5.10 | 11.822 | 31.1 | 0.0 | 5.3 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 188 | 7 | 7 | 5.00 | 11.822 | 31.1 | 0.0 | 5.3 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 189 | 7 | 7 | 4.90 | 11.822 | 31.1 | 0.0 | 5.4 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 190 | 7 | 7 | 4.80 | 11.822 | 31.1 | 0.0 | 5.4 | 6.1 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 191 | 7 | 7 | 4.70 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 192 | 7 | 7 | 4.60 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 193 | 7 | 7 | 4.50 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 194 | 7 | 7 | 4.40 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 195 | 7 | 7 | 4.30 | 11.822 | 31.1 | 0.0 | 5.4 | 6.0 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 196 | 7 | 7 | 4.20 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 197 | 7 | 7 | 4.10 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 198 | 7 | 7 | 4.00 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 199 | 7 | 7 | 3.90 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 200 | 7 | 7 | 3.80 | 11.822 | 31.1 | 0.0 | 5.4 | 5.9 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 201 | 7 | 7 | 3.70 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 202 | 7 | 7 | 3.60 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 203 | 7 | 7 | 3.50 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 204 | 7 | 7 | 3.40 | 11.822 | 31.1 | 0.0 | 5.4 | 5.8 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 205 | 7 | 7 | 3.30 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 206 | 7 | 7 | 3.20 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 207 | 7 | 7 | 3.10 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 208 | 7 | 7 | 3.00 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 209 | 7 | 7 | 2.90 | 11.822 | 31.1 | 0.0 | 5.4 | 5.7 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 210 | 7 | 7 | 2.80 | 11.822 | 31.1 | 0.0 | 5.4 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 211 | 7 | 7 | 2.70 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 212 | 7 | 7 | 2.60 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 213 | 7 | 7 | 2.50 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 214 | 7 | 7 | 2.40 | 11.822 | 31.1 | 0.0 | 5.5 | 5.6 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 215 | 7 | 7 | 2.30 | 11.822 | 31.1 | 0.0 | 5.5 | 5.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 46.0 | 0.166 | 0.166 | 7.4 | 1.017 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 216 | 8 | 8 | 2.20 | 11.822 | 31.1 | 0.0 | 5.5 | 5.5 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 217 | 8 | 8 | 2.10 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 218 | 8 | 8 | 2.00 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 219 | 8 | 8 | 1.90 | 11.822 | 31.1 | 0.0 | 5.5 | 5.4 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 220 | 8 | 8 | 1.80 | 11.822 | 31.1 | 0.0 | 5.5 | 5.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 221 | 8 | 8 | 1.70 | 11.822 | 31.1 | 0.0 | 5.5 | 5.3 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 222 | 8 | 8 | 1.60 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 223 | 8 | 8 | 1.50 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 53.0 | 0.1 | 1.55 | 110.0 | 0.069 | 0.069 | 7.4 | 0.658 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 224 | 9 | 9 | 1.40 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 57.6 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 225 | 9 | 9 | 1.30 | 11.822 | 31.1 | 0.0 | 5.5 | 5.2 | 0.0 | 1.2 | 0.1 | 62.1 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 226 | 9 | 9 | 1.20 | 11.822 | 31.1 | 0.0 | 5.5 | 5.1 | 0.0 | 1.2 | 0.1 | 66.7 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 227 | 9 | 9 | 1.10 | 11.822 | 31.1 | 0.0 | 5.5 | 5.1 | 0.0 | 1.2 | 0.1 | 71.2 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 228 | 9 | 9 | 1.00 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 75.8 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 229 | 9 | 9 | 0.90 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 80.3 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 230 | 9 | 9 | 0.80 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 84.9 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 231 | 9 | 9 | 0.70 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 89.4 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| 232 | 9 | 9 | 0.60 | 11.822 | 31.1 | 0.0 | 5.6 | 5.1 | 0.0 | 1.2 | 0.1 | 94.0 | 0.1 | 1.55 | 30.0 | 0.254 | 0.254 | 7.4 | 1.259 | 0.52 | 0.00 | 0.00 | 0.00 | 0.45 | 4.02 |
| TRIBUTARY # 233 (Lake Hache) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 244 | 12 | 12 | 0.50 | 11.935 | 31.3 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 78.3 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.4 | 1.556 | 0.52 | 0.00 | 0.00 | 0.00 | 0.46 | 4.08 |
| 245 | 12 | 12 | 0.40 | 11.935 | 31.5 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 62.7 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.4 | 1.561 | 0.53 | 0.00 | 0.00 | 0.00 | 0.47 | 4.13 |
| 246 | 12 | 12 | 0.30 | 11.935 | 31.8 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 47.0 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.567 | 0.53 | 0.00 | 0.00 | 0.00 | 0.48 | 4.19 |
| 247 | 12 | 12 | 0.20 | 11.935 | 32.0 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 31.4 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.573 | 0.54 | 0.00 | 0.00 | 0.00 | 0.49 | 4.25 |
| 248 | 12 | 12 | 0.10 | 11.935 | 32.2 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 15.7 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.579 | 0.54 | 0.00 | 0.00 | 0.00 | 0.50 | 4.31 |
| 249 | 12 | 12 | 0.00 | 11.935 | 32.4 | 0.0 | 5.7 | 5.2 | 0.0 | 1.2 | 0.1 | 0.1 | 0.1 | 1.55 | 20.0 | 0.385 | 0.385 | 7.3 | 1.584 | 0.55 | 0.00 | 0.00 | 0.00 | 0.51 | 4.37 |

EXPANDED CAPSULE SUMMARY FOR Lake Theriot

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | DISP | ADVEC MEAN DEPTH | WIDTH | VELO | VELO | SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 143 | 5 | 5 | 2.80 | 0.023 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 144 | 5 | 5 | 2.70 | 0.043 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 145 | 5 | 5 | 2.60 | 0.063 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 146 | 5 | 5 | 2.50 | 0.083 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 147 | 5 | 5 | 2.40 | 0.103 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 148 | 5 | 5 | 2.30 | 0.123 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 149 | 5 | 5 | 2.20 | 0.143 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 150 | 5 | 5 | 2.10 | 0.163 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 151 | 5 | 5 | 2.00 | 0.183 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 152 | 5 | 5 | 1.90 | 0.203 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 153 | 5 | 5 | 1.80 | 0.223 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 154 | 5 | 5 | 1.70 | 0.243 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 155 | 5 | 5 | 1.60 | 0.263 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 156 | 5 | 5 | 1.50 | 0.283 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 157 | 5 | 5 | 1.40 | 0.303 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 158 | 5 | 5 | 1.30 | 0.323 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 159 | 5 | 5 | 1.20 | 0.343 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 160 | 5 | 5 | 1.10 | 0.363 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 161 | 5 | 5 | 1.00 | 0.383 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 162 | 5 | 5 | 0.90 | 0.403 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 163 | 5 | 5 | 0.80 | 0.423 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 164 | 5 | 5 | 0.70 | 0.443 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |
| 165 | 5 | 5 | 0.60 | 0.463 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.802428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | | 4.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 5 | 5 | 0.50 | 0.483 | 31.1 | 0.0 | 6.7 | 3.7 | 0.0 | 0.8 | 0.0 | 53.0 | 0.0 | 0.80 | 2428.0 | 0.000 | 0.000 | 7.4 | 1.425 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 167 | 6 | 6 | 0.40 | 0.487 | 31.1 | 0.0 | 6.8 | 4.0 | 0.0 | 0.8 | 0.0 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 168 | 6 | 6 | 0.30 | 0.491 | 31.1 | 0.0 | 6.9 | 4.2 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 169 | 6 | 6 | 0.20 | 0.495 | 31.1 | 0.0 | 7.0 | 4.5 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 170 | 6 | 6 | 0.10 | 0.499 | 31.1 | 0.0 | 7.0 | 4.8 | 0.0 | 0.9 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |
| 171 | 6 | 6 | 0.00 | 0.503 | 31.1 | 0.0 | 6.7 | 5.3 | 0.0 | 1.0 | 0.1 | 53.0 | 0.2 | 1.90 | 20.0 | 0.013 | 0.013 | 7.4 | 0.451 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |

EXPANDED CAPSULE SUMMARY FOR Lake Hache

| IOR | REACH | | DIST | FLOW | TEMP | SALN | DO | EBOD1 | EBOD2 | ORG-N | NH3 | CHLA | ADVEC DISP | MEAN DEPTH | DO WIDTH | REAER VELO | BOD1 VELO | BOD1 SAT | BOD2 RATE | BOD2 DECA | NH3 SETT | DECA SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 233 | 10 | 10 | 1.00 | 0.010 | 31.1 | 0.0 | 8.7 | 25.3 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 234 | 10 | 10 | 0.90 | 0.020 | 31.1 | 0.0 | 8.7 | 24.9 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 235 | 10 | 10 | 0.80 | 0.030 | 31.1 | 0.0 | 8.7 | 24.9 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 236 | 10 | 10 | 0.70 | 0.040 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 237 | 10 | 10 | 0.60 | 0.050 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 238 | 10 | 10 | 0.50 | 0.060 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 239 | 10 | 10 | 0.40 | 0.069 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 240 | 10 | 10 | 0.30 | 0.079 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 241 | 10 | 10 | 0.20 | 0.089 | 31.1 | 0.0 | 8.7 | 24.8 | 0.0 | 1.8 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 242 | 10 | 10 | 0.10 | 0.099 | 31.1 | 0.0 | 8.7 | 21.7 | 0.0 | 1.7 | 0.0 | 94.0 | 0.0 | 0.75 | 970.0 | 0.000 | 0.000 | 7.4 | 1.520 | 0.02 | 0.00 | 0.00 | 0.00 | 0.48 | 4.02 |
| 243 | 11 | 11 | 0.00 | 0.113 | 31.1 | 0.0 | 6.7 | 12.7 | 0.0 | 1.5 | 0.1 | 94.0 | 0.1 | 1.55 | 50.0 | 0.001 | 0.001 | 7.4 | 0.554 | 0.52 | 0.00 | 0.00 | 0.00 | 0.47 | 4.02 |

SPECIAL REPORT: Lake de Cade

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOTN mg/L | PHOS µg/L | CHL A ** | MACRO | COLI #/100mL | NCM * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.72 | 0.00 | 2.72 | 0.00 | 0.81 | 0.09 | 0.02 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 2 | 20.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 3 | 20.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 4 | 20.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 5 | 20.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 6 | 20.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 7 | 20.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.49 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 8 | 20.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 9 | 20.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 10 | 19.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 11 | 19.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 12 | 19.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 13 | 19.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 14 | 19.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 15 | 19.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.89 | 0.06 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 16 | 19.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.89 | 0.06 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 17 | 19.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 18 | 19.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 19 | 19.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 20 | 18.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 21 | 18.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 22 | 18.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 23 | 18.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 24 | 18.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 25 | 18.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 18.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 27 | 18.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 28 | 18.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 29 | 18.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 30 | 17.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 31 | 17.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 32 | 17.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 33 | 17.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 34 | 17.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 35 | 17.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 36 | 17.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 37 | 17.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 38 | 17.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 39 | 17.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 40 | 16.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 41 | 16.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 42 | 16.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.01 | 0.06 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 43 | 16.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.77 | 0.00 | 2.77 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 44 | 16.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.54 | 2.78 | 0.00 | 2.78 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 45 | 16.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.53 | 2.81 | 0.00 | 2.81 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 46 | 16.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 47 | 16.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.48 | 3.05 | 0.00 | 3.05 | 0.00 | 1.03 | 0.06 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 48 | 16.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.43 | 3.24 | 0.00 | 3.24 | 0.00 | 1.03 | 0.06 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 49 | 16.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.39 | 3.43 | 0.00 | 3.43 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 50 | 15.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.34 | 3.60 | 0.00 | 3.60 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 51 | 15.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.29 | 3.78 | 0.00 | 3.78 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 52 | 15.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.25 | 3.95 | 0.00 | 3.95 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 53 | 15.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.20 | 4.11 | 0.00 | 4.11 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 54 | 15.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.15 | 4.27 | 0.00 | 4.27 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 55 | 15.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.10 | 4.43 | 0.00 | 4.43 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 56 | 15.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.05 | 4.58 | 0.00 | 4.58 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 57 | 15.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.00 | 4.73 | 0.00 | 4.73 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 58 | 15.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.95 | 4.87 | 0.00 | 4.87 | 0.00 | 1.09 | 0.09 | 0.00 | 1.18 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 59 | 15.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.91 | 5.01 | 0.00 | 5.01 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 60 | 14.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.86 | 5.14 | 0.00 | 5.14 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 61 | 14.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.81 | 5.27 | 0.00 | 5.27 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 62 | 14.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.76 | 5.40 | 0.00 | 5.40 | 0.00 | 1.12 | 0.09 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 63 | 14.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.72 | 5.52 | 0.00 | 5.52 | 0.00 | 1.12 | 0.09 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 64 | 14.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.67 | 5.64 | 0.00 | 5.64 | 0.00 | 1.13 | 0.09 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 65 | 14.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.63 | 5.76 | 0.00 | 5.76 | 0.00 | 1.14 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 66 | 14.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.59 | 5.87 | 0.00 | 5.87 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 67 | 14.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.54 | 5.98 | 0.00 | 5.98 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 68 | 14.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.50 | 6.08 | 0.00 | 6.08 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 69 | 14.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 6.19 | 0.00 | 6.19 | 0.00 | 1.16 | 0.10 | 0.00 | 1.26 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 70 | 13.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 6.29 | 0.00 | 6.29 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 71 | 13.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 6.38 | 0.00 | 6.38 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 72 | 13.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.47 | 0.00 | 6.47 | 0.00 | 1.18 | 0.10 | 0.00 | 1.28 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 73 | 13.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.56 | 0.00 | 6.56 | 0.00 | 1.18 | 0.10 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 74 | 13.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.27 | 6.65 | 0.00 | 6.65 | 0.00 | 1.19 | 0.10 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 75 | 13.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.24 | 6.73 | 0.00 | 6.73 | 0.00 | 1.20 | 0.10 | 0.00 | 1.30 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 13.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.21 | 6.80 | 0.00 | 6.80 | 0.00 | 1.20 | 0.10 | 0.00 | 1.31 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 77 | 13.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 78 | 13.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 79 | 13.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 80 | 12.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 22.5 | 0.0 | 0. | 0.00 |
| 81 | 12.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 82 | 12.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 24.2 | 0.0 | 0. | 0.00 |
| 83 | 12.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 84 | 12.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.9 | 0.0 | 0. | 0.00 |
| 85 | 12.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 26.8 | 0.0 | 0. | 0.00 |
| 86 | 12.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 27.6 | 0.0 | 0. | 0.00 |
| 87 | 12.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 88 | 12.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 29.3 | 0.0 | 0. | 0.00 |
| 89 | 12.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.80 | 0.00 | 6.80 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 30.2 | 0.0 | 0. | 0.00 |
| 90 | 11.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.0 | 0.0 | 0. | 0.00 |
| 91 | 11.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.8 | 0.0 | 0. | 0.00 |
| 92 | 11.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |
| 93 | 11.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 94 | 11.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 95 | 11.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 35.2 | 0.0 | 0. | 0.00 |
| 96 | 11.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 97 | 11.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.9 | 0.0 | 0. | 0.00 |
| 98 | 11.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 37.8 | 0.0 | 0. | 0.00 |
| 99 | 11.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 38.6 | 0.0 | 0. | 0.00 |
| 100 | 10.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 39.5 | 0.0 | 0. | 0.00 |
| 101 | 10.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 40.3 | 0.0 | 0. | 0.00 |
| 102 | 10.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 41.2 | 0.0 | 0. | 0.00 |
| 103 | 10.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |
| 104 | 10.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.8 | 0.0 | 0. | 0.00 |
| 105 | 10.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 43.7 | 0.0 | 0. | 0.00 |
| 106 | 10.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 44.5 | 0.0 | 0. | 0.00 |
| 107 | 10.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 45.4 | 0.0 | 0. | 0.00 |
| 108 | 10.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 46.2 | 0.0 | 0. | 0.00 |
| 109 | 10.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.1 | 0.0 | 0. | 0.00 |
| 110 | 9.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.9 | 0.0 | 0. | 0.00 |
| 111 | 9.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 48.8 | 0.0 | 0. | 0.00 |
| 112 | 9.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 49.6 | 0.0 | 0. | 0.00 |
| 113 | 9.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 50.5 | 0.0 | 0. | 0.00 |
| 114 | 9.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 51.3 | 0.0 | 0. | 0.00 |
| 115 | 9.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 52.2 | 0.0 | 0. | 0.00 |
| 116 | 9.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 117 | 9.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.08 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 118 | 9.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 119 | 9.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.09 | 6.69 | 0.00 | 6.69 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 120 | 8.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 121 | 8.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 122 | 8.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 123 | 8.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 124 | 8.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 125 | 8.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 8.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 127 | 8.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 128 | 8.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 129 | 8.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 130 | 7.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.14 | 6.63 | 0.00 | 6.63 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 131 | 7.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 132 | 7.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 133 | 7.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 134 | 7.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 135 | 7.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 136 | 7.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 137 | 7.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 138 | 7.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 139 | 7.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 140 | 6.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 141 | 6.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 142 | 6.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 172 | 6.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.29 | 6.47 | 0.00 | 6.47 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 173 | 6.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.29 | 6.45 | 0.00 | 6.45 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 174 | 6.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.42 | 0.00 | 6.42 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 175 | 6.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.40 | 0.00 | 6.40 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 176 | 6.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.30 | 6.38 | 0.00 | 6.38 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 177 | 6.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.36 | 0.00 | 6.36 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 178 | 6.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.33 | 0.00 | 6.33 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 179 | 5.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.31 | 6.31 | 0.00 | 6.31 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 180 | 5.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.29 | 0.00 | 6.29 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 181 | 5.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.26 | 0.00 | 6.26 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 182 | 5.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.32 | 6.24 | 0.00 | 6.24 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 183 | 5.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.33 | 6.22 | 0.00 | 6.22 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 184 | 5.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.33 | 6.20 | 0.00 | 6.20 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 185 | 5.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.17 | 0.00 | 6.17 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 186 | 5.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.15 | 0.00 | 6.15 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 187 | 5.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.34 | 6.13 | 0.00 | 6.13 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 188 | 5.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.11 | 0.00 | 6.11 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 189 | 4.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.35 | 6.09 | 0.00 | 6.09 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 190 | 4.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.06 | 0.00 | 6.06 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 191 | 4.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.04 | 0.00 | 6.04 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 192 | 4.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.36 | 6.02 | 0.00 | 6.02 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 193 | 4.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.37 | 6.00 | 0.00 | 6.00 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 194 | 4.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.37 | 5.98 | 0.00 | 5.98 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 195 | 4.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 5.96 | 0.00 | 5.96 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 196 | 4.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.38 | 5.94 | 0.00 | 5.94 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 197 | 4.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.91 | 0.00 | 5.91 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 198 | 4.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.89 | 0.00 | 5.89 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 199 | 3.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.39 | 5.87 | 0.00 | 5.87 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 200 | 3.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 201 | 3.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.40 | 5.83 | 0.00 | 5.83 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 202 | 3.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.41 | 5.81 | 0.00 | 5.81 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 203 | 3.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.41 | 5.79 | 0.00 | 5.79 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 204 | 3.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 5.77 | 0.00 | 5.77 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 3.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.42 | 5.75 | 0.00 | 5.75 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 206 | 3.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.43 | 5.73 | 0.00 | 5.73 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 207 | 3.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.43 | 5.71 | 0.00 | 5.71 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 208 | 3.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.44 | 5.68 | 0.00 | 5.68 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 209 | 2.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.44 | 5.66 | 0.00 | 5.66 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 210 | 2.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.45 | 5.64 | 0.00 | 5.64 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 211 | 2.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.45 | 5.62 | 0.00 | 5.62 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 212 | 2.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 5.60 | 0.00 | 5.60 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 213 | 2.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.46 | 5.58 | 0.00 | 5.58 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 214 | 2.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.56 | 0.00 | 5.56 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 215 | 2.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 216 | 2.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.47 | 5.50 | 0.00 | 5.50 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 217 | 2.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.45 | 0.00 | 5.45 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 218 | 2.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.40 | 0.00 | 5.40 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 219 | 1.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.36 | 0.00 | 5.36 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 220 | 1.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.48 | 5.31 | 0.00 | 5.31 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 221 | 1.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.26 | 0.00 | 5.26 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 222 | 1.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 223 | 1.500 | 31.10 | 0.0 | 0.0 | 0.0 | 5.49 | 5.18 | 0.00 | 5.18 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 224 | 1.400 | 31.10 | 0.0 | 0.0 | 0.0 | 5.50 | 5.16 | 0.00 | 5.16 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 57.6 | 0.0 | 0. | 0.00 |
| 225 | 1.300 | 31.10 | 0.0 | 0.0 | 0.0 | 5.51 | 5.15 | 0.00 | 5.15 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.1 | 0.0 | 0. | 0.00 |
| 226 | 1.200 | 31.10 | 0.0 | 0.0 | 0.0 | 5.52 | 5.14 | 0.00 | 5.14 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 66.7 | 0.0 | 0. | 0.00 |
| 227 | 1.100 | 31.10 | 0.0 | 0.0 | 0.0 | 5.54 | 5.13 | 0.00 | 5.13 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 228 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 5.55 | 5.12 | 0.00 | 5.12 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 75.8 | 0.0 | 0. | 0.00 |
| 229 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 5.57 | 5.10 | 0.00 | 5.10 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 80.3 | 0.0 | 0. | 0.00 |
| 230 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 5.59 | 5.09 | 0.00 | 5.09 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 84.9 | 0.0 | 0. | 0.00 |
| 231 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 5.61 | 5.08 | 0.00 | 5.08 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 89.4 | 0.0 | 0. | 0.00 |
| 232 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 5.63 | 5.07 | 0.00 | 5.07 | 0.00 | 1.21 | 0.09 | 0.00 | 1.31 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 244 | 0.500 | 31.32 | 0.0 | 0.0 | 0.0 | 5.66 | 5.23 | 0.00 | 5.23 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 78.3 | 0.0 | 0. | 0.00 |
| 245 | 0.400 | 31.53 | 0.0 | 0.0 | 0.0 | 5.67 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.7 | 0.0 | 0. | 0.00 |
| 246 | 0.300 | 31.75 | 0.0 | 0.0 | 0.0 | 5.67 | 5.21 | 0.00 | 5.21 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 247 | 0.200 | 31.97 | 0.0 | 0.0 | 0.0 | 5.67 | 5.20 | 0.00 | 5.20 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 248 | 0.100 | 32.18 | 0.0 | 0.0 | 0.0 | 5.66 | 5.19 | 0.00 | 5.19 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 15.7 | 0.0 | 0. | 0.00 |
| 249 | 0.000 | 32.40 | 0.0 | 0.0 | 0.0 | 5.66 | 5.18 | 0.00 | 5.18 | 0.00 | 1.21 | 0.09 | 0.00 | 1.30 | 0.00 | 0.1 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake Theriot

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | * | CM-I * | CM-II mg/L | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.67 | 0.00 | 3.67 | 0.00 | 0.84 | 0.04 | 0.00 | 0.88 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 144 | 2.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.88 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 145 | 2.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 146 | 2.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 147 | 2.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 148 | 2.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 149 | 2.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 150 | 2.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 151 | 2.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 152 | 1.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 153 | 1.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |
| 154 | 1.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 1.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 156 | 1.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 157 | 1.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 158 | 1.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 159 | 1.200 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 160 | 1.100 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 161 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 162 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 163 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 164 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 165 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 166 | 0.500 | 31.10 | 0.0 | 0.0 | 0.0 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 167 | 0.400 | 31.10 | 0.0 | 0.0 | 0.0 | 6.80 | 3.97 | 0.00 | 3.97 | 0.00 | 0.84 | 0.05 | 0.00 | 0.89 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 168 | 0.300 | 31.10 | 0.0 | 0.0 | 0.0 | 6.92 | 4.22 | 0.00 | 4.22 | 0.00 | 0.85 | 0.05 | 0.00 | 0.91 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 169 | 0.200 | 31.10 | 0.0 | 0.0 | 0.0 | 7.01 | 4.47 | 0.00 | 4.47 | 0.00 | 0.86 | 0.06 | 0.00 | 0.92 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 170 | 0.100 | 31.10 | 0.0 | 0.0 | 0.0 | 7.05 | 4.75 | 0.00 | 4.75 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |
| 171 | 0.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.65 | 5.34 | 0.00 | 5.34 | 0.00 | 0.98 | 0.08 | 0.00 | 1.06 | 0.00 | 53.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake Hache

WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A | MACRO #/100mL | COLI * | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 1.000 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 25.28 | 0.00 | 25.28 | 0.00 | 1.83 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 234 | 0.900 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.95 | 0.00 | 24.95 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 235 | 0.800 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.87 | 0.00 | 24.87 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 236 | 0.700 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.84 | 0.00 | 24.84 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 237 | 0.600 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.83 | 0.00 | 24.83 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 238 | 0.500 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.82 | 0.00 | 24.82 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 239 | 0.400 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.82 | 0.00 | 24.82 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 240 | 0.300 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.81 | 0.00 | 24.81 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 241 | 0.200 | 31.10 | 0.0 | 0.0 | 0.0 | 8.68 | 24.81 | 0.00 | 24.81 | 0.00 | 1.82 | 0.04 | 0.00 | 1.86 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 242 | 0.100 | 31.10 | 0.0 | 0.0 | 0.0 | 8.65 | 21.71 | 0.00 | 21.71 | 0.00 | 1.73 | 0.04 | 0.00 | 1.77 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |
| 243 | 0.000 | 31.10 | 0.0 | 0.0 | 0.0 | 6.67 | 12.66 | 0.00 | 12.66 | 0.00 | 1.48 | 0.10 | 0.00 | 1.58 | 0.00 | 94.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Lake de Cade

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST km | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#2 DECAY 1/da | ABOD#2 SOD * | FULL SOD * | CORR DECAY 1/da | ORG-N SETT 1/da | ORG-N DECAY 1/da | NH3 SRCE * | NH3 RATE ** | DENIT SRCE ** | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 2 | 20.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 3 | 20.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 4 | 20.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 5 | 20.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 6 | 20.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 7 | 20.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 8 | 20.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 9 | 20.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 10 | 19.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 11 | 19.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 12 | 19.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |
| 13 | 19.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 19.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 19.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 19.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 19.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 19.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 19.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 18.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 18.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 18.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 18.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 18.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 18.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 18.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 18.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 18.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 18.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 17.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 17.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 17.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 17.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 17.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 17.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 17.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 17.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 17.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 17.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 16.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 16.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 16.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 16.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 16.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 16.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 16.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 16.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 15.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 15.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 15.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 15.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 15.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 15.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 15.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 14.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 14.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 14.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 14.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 14.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 14.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 14.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 13.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 13.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 13.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 13.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 13.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 13.100 | 7.42 | 1.34 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 13.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 12.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 12.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 12.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 12.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 12.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 12.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 12.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 12.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 12.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 12.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 11.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 11.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 11.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 11.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 11.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 11.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 11.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 11.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 11.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 10.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 10.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 10.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 10.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 10.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 10.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 10.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 9.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | 9.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 9.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 9.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 9.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 9.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 9.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 8.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 8.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 8.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 8.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 8.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 8.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 8.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 8.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 8.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 8.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 7.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 7.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 7.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 7.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 7.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 7.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 7.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 6.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 6.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 6.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 6.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 6.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 6.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 6.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 5.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 5.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 5.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 5.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 5.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 5.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 5.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 5.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 5.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 5.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 4.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 4.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 4.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 4.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 4.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 4.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 4.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 4.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 4.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 4.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 3.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 3.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 3.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 3.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 3.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 3.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 3.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 3.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 3.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 3.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 2.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 2.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 2.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 2.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 2.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 2.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 2.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 2.200 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 2.100 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 2.000 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 1.900 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 1.800 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 1.700 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 1.600 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 1.500 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 1.400 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 1.300 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 1.200 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 1.100 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 1.000 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 6.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 0.900 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 0.800 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 0.700 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 0.600 | 7.42 | 1.26 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 0.500 | 7.39 | 1.56 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.08 | 4.08 | 0.01 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 0.400 | 7.36 | 1.56 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.13 | 4.13 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 5.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 0.300 | 7.34 | 1.57 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 4.19 | 0.01 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 0.200 | 7.31 | 1.57 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 4.25 | 0.01 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 0.100 | 7.28 | 1.58 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.01 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 0.000 | 7.26 | 1.58 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.37 | 4.37 | 0.01 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Lake Theriot

BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#1 SETT | BOD#2 DECAY | ABOD#2 SOD | FULL SOD | CORR DECAY | ORG-N SETT | ORG-N DECAY | NH3 SRCE | NH3 RATE | NH3 SRCE | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI SETT | NCM | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 143 | 2.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 144 | 2.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 145 | 2.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 146 | 2.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 147 | 2.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 148 | 2.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 149 | 2.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 150 | 2.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 151 | 2.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 152 | 1.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 153 | 1.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 154 | 1.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 155 | 1.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 156 | 1.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 157 | 1.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 158 | 1.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 159 | 1.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 160 | 1.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 161 | 1.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 162 | 0.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 163 | 0.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 164 | 0.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 165 | 0.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 166 | 0.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 167 | 0.400 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 168 | 0.300 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 169 | 0.200 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 170 | 0.100 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 171 | 0.000 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |

SPECIAL REPORT: Lake Hache
BIOLOGICAL AND PHYSICAL COEFFICIENTS

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#1 DECAY | BOD#2 SETT | ABOD#2 DECAY | FULL SOD | CORR SOD | ORG-N DECAY | ORG-N SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 233 | 1.000 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 0.900 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 0.800 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 0.700 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 0.600 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 0.500 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 0.400 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 0.300 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 0.200 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 0.100 | 7.42 | 1.52 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 0.000 | 7.42 | 0.55 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 1 Lake Hache incl 937 TMDL Simulation for Lake de Cade Theriot and Hache model
********** REACH INPUTS **********

| ELEM | TYPE | FLOW | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | | | deg C | ppt | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | #/100mL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | | 11.45895 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.72 | 0.00 | 2.72 | 0.00 | 0.80 | 0.10 | 0.04 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | | 0.06494 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 28.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | | -0.00217 | | | | | | | | | | | | | | | | |
| 23 | WSTLD | | 0.00011 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW | PCT EFF | ADVCTV VELO | TRAVEL TIME | DEPTH | WIDTH | VOLUME | SURFACE AREA | X-SECT AREA | TIDAL PRISM | TIDAL VELO | DISPRSN | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | days | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s | |
| 1 | 20.90 | 20.80 | 11.52172 | 0.0 | 0.00487 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 2 | 20.80 | 20.70 | 11.58449 | 0.0 | 0.00489 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 3 | 20.70 | 20.60 | 11.64726 | 0.0 | 0.00492 | 0.24 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 4 | 20.60 | 20.50 | 11.71003 | 0.0 | 0.00495 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 5 | 20.50 | 20.40 | 11.77279 | 0.0 | 0.00497 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 6 | 20.40 | 20.30 | 11.83556 | 0.0 | 0.00500 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 7 | 20.30 | 20.20 | 11.89833 | 0.0 | 0.00503 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 8 | 20.20 | 20.10 | 11.96110 | 0.0 | 0.00505 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 9 | 20.10 | 20.00 | 12.02387 | 0.0 | 0.00508 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 10 | 20.00 | 19.90 | 12.08664 | 0.0 | 0.00511 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 11 | 19.90 | 19.80 | 12.14941 | 0.0 | 0.00513 | 0.23 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 12 | 19.80 | 19.70 | 12.21218 | 0.0 | 0.00516 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 13 | 19.70 | 19.60 | 12.27495 | 0.0 | 0.00519 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 14 | 19.60 | 19.50 | 12.33772 | 0.0 | 0.00521 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 15 | 19.50 | 19.40 | 12.40048 | 0.0 | 0.00524 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 16 | 19.40 | 19.30 | 12.46325 | 0.0 | 0.00527 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 17 | 19.30 | 19.20 | 12.52602 | 0.0 | 0.00529 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 18 | 19.20 | 19.10 | 12.58879 | 0.0 | 0.00532 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 19 | 19.10 | 19.00 | 12.65156 | 0.0 | 0.00535 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 20 | 19.00 | 18.90 | 12.71433 | 0.0 | 0.00537 | 0.22 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 21 | 18.90 | 18.80 | 12.77710 | 0.0 | 0.00540 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 22 | 18.80 | 18.70 | 12.83987 | 0.0 | 0.00542 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 23 | 18.70 | 18.60 | 12.90275 | 0.0 | 0.00545 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 24 | 18.60 | 18.50 | 12.96551 | 0.0 | 0.00548 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.005 |
| 25 | 18.50 | 18.40 | 13.02828 | 0.0 | 0.00550 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 26 | 18.40 | 18.30 | 13.09105 | 0.0 | 0.00553 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 27 | 18.30 | 18.20 | 13.15382 | 0.0 | 0.00556 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 28 | 18.20 | 18.10 | 13.21659 | 0.0 | 0.00558 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 29 | 18.10 | 18.00 | 13.27936 | 0.0 | 0.00561 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 30 | 18.00 | 17.90 | 13.34213 | 0.0 | 0.00564 | 0.21 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 31 | 17.90 | 17.80 | 13.40490 | 0.0 | 0.00566 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 32 | 17.80 | 17.70 | 13.46767 | 0.0 | 0.00569 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 33 | 17.70 | 17.60 | 13.53043 | 0.0 | 0.00572 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 34 | 17.60 | 17.50 | 13.59320 | 0.0 | 0.00574 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 35 | 17.50 | 17.40 | 13.65597 | 0.0 | 0.00577 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 36 | 17.40 | 17.30 | 13.71874 | 0.0 | 0.00580 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 37 | 17.30 | 17.20 | 13.78151 | 0.0 | 0.00582 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 38 | 17.20 | 17.10 | 13.84428 | 0.0 | 0.00585 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 39 | 17.10 | 17.00 | 13.90705 | 0.0 | 0.00588 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 40 | 17.00 | 16.90 | 13.96982 | 0.0 | 0.00590 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 41 | 16.90 | 16.80 | 14.03259 | 0.0 | 0.00593 | 0.20 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 16.80 | 16.70 | 14.09536 | 0.0 | 0.00596 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 43 | 16.70 | 16.60 | 14.15812 | 0.0 | 0.00598 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 44 | 16.60 | 16.50 | 14.22089 | 0.0 | 0.00601 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 45 | 16.50 | 16.40 | 14.28366 | 0.0 | 0.00603 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| 46 | 16.40 | 16.30 | 14.34643 | 0.0 | 0.00606 | 0.19 | 1.55 | 1527.00 | 236684.98 | 152700.00 | 2366.85 | 0.00 | 0.000 | 0.500 | 0.006 |
| TOT | | | | | 9.78 | | | 10887509.00 | 7024200.00 | | | | | | |
| AVG | | | | 0.0054 | | | 1.55 | 1527.00 | | | 2366.85 | | | | |
| CUM | | | | | 9.78 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | | |
| 1 | 20.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 20.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 20.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 20.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 20.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 20.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 20.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 20.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 20.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 19.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 19.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 19.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 19.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 19.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 19.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 19.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 19.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 19.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | 19.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 | 18.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 18.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | 18.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 18.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 18.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 18.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 18.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 18.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 18.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 18.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 17.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 17.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 32 | 17.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 33 | 17.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | 17.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | 17.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | 17.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 37 | 17.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | 17.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 17.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 16.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 16.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 16.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 16.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 16.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.60 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | | | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.72 | 0.00 | 2.72 | 0.00 | 0.81 | 0.09 | 0.02 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 2 | 20.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 3 | 20.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.82 | 0.09 | 0.01 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 4 | 20.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 5 | 20.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 6 | 20.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.73 | 0.00 | 2.73 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 7 | 20.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.49 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 8 | 20.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.85 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 9 | 20.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 10 | 19.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.86 | 0.07 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 11 | 19.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.50 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 12 | 19.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.87 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 13 | 19.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 14 | 19.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.88 | 0.07 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 15 | 19.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.51 | 2.74 | 0.00 | 2.74 | 0.00 | 0.89 | 0.06 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 16 | 19.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.89 | 0.06 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 17 | 19.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 18 | 19.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.90 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 19 | 19.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 20 | 18.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.75 | 0.00 | 2.75 | 0.00 | 0.91 | 0.06 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 21 | 18.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 22 | 18.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.92 | 0.06 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 23 | 18.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 24 | 18.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.93 | 0.06 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 25 | 18.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 26 | 18.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.94 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 27 | 18.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 28 | 18.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 29 | 18.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.75 | 0.00 | 2.75 | 0.00 | 0.95 | 0.06 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 30 | 17.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 31 | 17.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.96 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 32 | 17.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 33 | 17.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.06 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 34 | 17.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 35 | 17.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 36 | 17.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.98 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 37 | 17.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 17.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 0.99 | 0.06 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 39 | 17.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 40 | 16.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 41 | 16.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.00 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 42 | 16.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.76 | 0.00 | 2.76 | 0.00 | 1.01 | 0.06 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 43 | 16.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.77 | 0.00 | 2.77 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 44 | 16.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.54 | 2.78 | 0.00 | 2.78 | 0.00 | 1.01 | 0.06 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 45 | 16.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.53 | 2.81 | 0.00 | 2.81 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 46 | 16.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 2 Lake Hache incl 120406-B TMDL Simulation for Lake de Cade Theriot and Hache model
********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 #/100mL | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | UPR RCH | 14.34643 | 31.10 | 0.00 | 0.00 | 0.00 | 6.52 | 2.87 | 0.00 | 2.87 | 0.00 | 1.02 | 0.06 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.09637 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| EACH | INCR | -0.19677 | | | | | | | | | | | | | | | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 16.30 | 16.20 | 14.24602 | 0.0 | 0.00893 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 48 | 16.20 | 16.10 | 14.14562 | 0.0 | 0.00887 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 49 | 16.10 | 16.00 | 14.04521 | 0.0 | 0.00881 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 50 | 16.00 | 15.90 | 13.94480 | 0.0 | 0.00874 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 51 | 15.90 | 15.80 | 13.84440 | 0.0 | 0.00868 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 52 | 15.80 | 15.70 | 13.74399 | 0.0 | 0.00862 | 0.13 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 53 | 15.70 | 15.60 | 13.64358 | 0.0 | 0.00855 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.009 | |
| 54 | 15.60 | 15.50 | 13.54318 | 0.0 | 0.00849 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 55 | 15.50 | 15.40 | 13.44277 | 0.0 | 0.00843 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 56 | 15.40 | 15.30 | 13.34236 | 0.0 | 0.00837 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 57 | 15.30 | 15.20 | 13.24196 | 0.0 | 0.00830 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 58 | 15.20 | 15.10 | 13.14155 | 0.0 | 0.00824 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 59 | 15.10 | 15.00 | 13.04114 | 0.0 | 0.00818 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 60 | 15.00 | 14.90 | 12.94074 | 0.0 | 0.00811 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 61 | 14.90 | 14.80 | 12.84033 | 0.0 | 0.00805 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 62 | 14.80 | 14.70 | 12.73992 | 0.0 | 0.00799 | 0.14 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 63 | 14.70 | 14.60 | 12.63952 | 0.0 | 0.00792 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 64 | 14.60 | 14.50 | 12.53911 | 0.0 | 0.00786 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 65 | 14.50 | 14.40 | 12.43870 | 0.0 | 0.00780 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 66 | 14.40 | 14.30 | 12.33830 | 0.0 | 0.00774 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 67 | 14.30 | 14.20 | 12.23789 | 0.0 | 0.00767 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 68 | 14.20 | 14.10 | 12.13748 | 0.0 | 0.00761 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 69 | 14.10 | 14.00 | 12.03708 | 0.0 | 0.00755 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.008 | |
| 70 | 14.00 | 13.90 | 11.93667 | 0.0 | 0.00748 | 0.15 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 71 | 13.90 | 13.80 | 11.83626 | 0.0 | 0.00742 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 72 | 13.80 | 13.70 | 11.73586 | 0.0 | 0.00736 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 73 | 13.70 | 13.60 | 11.63545 | 0.0 | 0.00730 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 74 | 13.60 | 13.50 | 11.53504 | 0.0 | 0.00723 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |
| 75 | 13.50 | 13.40 | 11.43464 | 0.0 | 0.00717 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 13.40 | 13.30 | 11.33423 | 0.0 | 0.00711 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | | | | | | | | | |
| 77 | 13.30 | 13.20 | 11.23382 | 0.0 | 0.00704 | 0.16 | 1.55 | 1029.00 | 159495.00 | 102900.00 | 1594.95 | 0.00 | 0.000 | 0.500 | 0.007 | | | | | | | | | |
| TOT | | | | | 4.51 | | | 4944345.00 | 3189900.00 | | | | | | | | | | | | | | | |
| AVG | | | | 0.0079 | | | 1.55 | 1029.00 | | | 1594.95 | | | | | | | | | | | | | |
| CUM | | | | | 14.30 | | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | ABOD#1 DECAY | BOD#2 DECAY | BOD#2 SETT | ABOD#2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORGN DECAY | ORGN SETT | NH3 DECAY | NH3 SRCE | DENIT RATE | PO4 SRCE | ALG PROD | MAC PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 47 | 16.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 16.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 16.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 15.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 15.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 15.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 15.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 15.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 15.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 15.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 14.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 14.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 14.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 14.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 14.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 14.100 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 14.000 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.900 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.800 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.700 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 13.600 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 13.500 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 13.400 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 13.300 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 13.200 | 7.42 | 0.74 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.60 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN $g/m^3$ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 16.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.48 | 3.05 | 0.00 | 3.05 | 0.00 | 1.03 | 0.06 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 | |
| 48 | 16.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.43 | 3.24 | 0.00 | 3.24 | 0.00 | 1.03 | 0.06 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 | |
| 49 | 16.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.39 | 3.43 | 0.00 | 3.43 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 20.00 | 0.00 | 0. | 0.00 | |
| 50 | 15.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.34 | 3.60 | 0.00 | 3.60 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.00 | 0.00 | 0. | 0.00 | |
| 51 | 15.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.29 | 3.78 | 0.00 | 3.78 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 20.00 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 15.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.25 | 3.95 | 0.00 | 3.95 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 53 | 15.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.20 | 4.11 | 0.00 | 4.11 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 54 | 15.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.15 | 4.27 | 0.00 | 4.27 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 55 | 15.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.10 | 4.43 | 0.00 | 4.43 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 56 | 15.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.05 | 4.58 | 0.00 | 4.58 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 57 | 15.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.00 | 4.73 | 0.00 | 4.73 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 58 | 15.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.95 | 4.87 | 0.00 | 4.87 | 0.00 | 1.09 | 0.09 | 0.00 | 1.18 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 59 | 15.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.91 | 5.01 | 0.00 | 5.01 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 60 | 14.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.86 | 5.14 | 0.00 | 5.14 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 61 | 14.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.81 | 5.27 | 0.00 | 5.27 | 0.00 | 1.11 | 0.09 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 62 | 14.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.76 | 5.40 | 0.00 | 5.40 | 0.00 | 1.12 | 0.09 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 63 | 14.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.72 | 5.52 | 0.00 | 5.52 | 0.00 | 1.12 | 0.09 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 64 | 14.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.67 | 5.64 | 0.00 | 5.64 | 0.00 | 1.13 | 0.09 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 65 | 14.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.63 | 5.76 | 0.00 | 5.76 | 0.00 | 1.14 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 66 | 14.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.59 | 5.87 | 0.00 | 5.87 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 67 | 14.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.54 | 5.98 | 0.00 | 5.98 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 68 | 14.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.50 | 6.08 | 0.00 | 6.08 | 0.00 | 1.15 | 0.10 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 69 | 14.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 6.19 | 0.00 | 6.19 | 0.00 | 1.16 | 0.10 | 0.00 | 1.26 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 70 | 13.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 6.29 | 0.00 | 6.29 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 71 | 13.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 6.38 | 0.00 | 6.38 | 0.00 | 1.17 | 0.10 | 0.00 | 1.27 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 72 | 13.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.47 | 0.00 | 6.47 | 0.00 | 1.18 | 0.10 | 0.00 | 1.28 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 73 | 13.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.56 | 0.00 | 6.56 | 0.00 | 1.18 | 0.10 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 74 | 13.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.27 | 6.65 | 0.00 | 6.65 | 0.00 | 1.19 | 0.10 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 75 | 13.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.24 | 6.73 | 0.00 | 6.73 | 0.00 | 1.20 | 0.10 | 0.00 | 1.30 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 76 | 13.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.21 | 6.80 | 0.00 | 6.80 | 0.00 | 1.20 | 0.10 | 0.00 | 1.31 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 77 | 13.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 3 L. Hache-405/406 boundary TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | UPR RCH | 11.23382 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.85 | 0.00 | 6.85 | 0.00 | 1.20 | 0.11 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00218 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 60.00 | 0.00 | | 6.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 13.20 | 13.10 | 11.23600 | 0.0 | 0.28996 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 79 | 13.10 | 13.00 | 11.23818 | 0.0 | 0.29002 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 80 | 13.00 | 12.90 | 11.24036 | 0.0 | 0.29007 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 81 | 12.90 | 12.80 | 11.24254 | 0.0 | 0.29013 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 82 | 12.80 | 12.70 | 11.24472 | 0.0 | 0.29019 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 83 | 12.70 | 12.60 | 11.24690 | 0.0 | 0.29024 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 84 | 12.60 | 12.50 | 11.24908 | 0.0 | 0.29030 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 85 | 12.50 | 12.40 | 11.25126 | 0.0 | 0.29036 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 86 | 12.40 | 12.30 | 11.25344 | 0.0 | 0.29041 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 87 | 12.30 | 12.20 | 11.25562 | 0.0 | 0.29047 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.290 |
| 88 | 12.20 | 12.10 | 11.25780 | 0.0 | 0.29052 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 89 | 12.10 | 12.00 | 11.25997 | 0.0 | 0.29058 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 90 | 12.00 | 11.90 | 11.26215 | 0.0 | 0.29064 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 11.90 | 11.80 | 11.26433 | 0.0 | 0.29069 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 92 | 11.80 | 11.70 | 11.26651 | 0.0 | 0.29075 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 93 | 11.70 | 11.60 | 11.26869 | 0.0 | 0.29080 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 94 | 11.60 | 11.50 | 11.27087 | 0.0 | 0.29086 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 95 | 11.50 | 11.40 | 11.27305 | 0.0 | 0.29092 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 96 | 11.40 | 11.30 | 11.27523 | 0.0 | 0.29097 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 97 | 11.30 | 11.20 | 11.27741 | 0.0 | 0.29103 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 98 | 11.20 | 11.10 | 11.27959 | 0.0 | 0.29109 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 99 | 11.10 | 11.00 | 11.28177 | 0.0 | 0.29114 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 100 | 11.00 | 10.90 | 11.28395 | 0.0 | 0.29120 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 101 | 10.90 | 10.80 | 11.28612 | 0.0 | 0.29125 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 102 | 10.80 | 10.70 | 11.28830 | 0.0 | 0.29131 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 103 | 10.70 | 10.60 | 11.29048 | 0.0 | 0.29137 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 104 | 10.60 | 10.50 | 11.29266 | 0.0 | 0.29142 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 105 | 10.50 | 10.40 | 11.29484 | 0.0 | 0.29148 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.291 |
| 106 | 10.40 | 10.30 | 11.29702 | 0.0 | 0.29154 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 107 | 10.30 | 10.20 | 11.29920 | 0.0 | 0.29159 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 108 | 10.20 | 10.10 | 11.30138 | 0.0 | 0.29165 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 109 | 10.10 | 10.00 | 11.30356 | 0.0 | 0.29170 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 110 | 10.00 | 9.90 | 11.30574 | 0.0 | 0.29176 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 111 | 9.90 | 9.80 | 11.30792 | 0.0 | 0.29182 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 112 | 9.80 | 9.70 | 11.31009 | 0.0 | 0.29187 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 113 | 9.70 | 9.60 | 11.31227 | 0.0 | 0.29193 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 114 | 9.60 | 9.50 | 11.31445 | 0.0 | 0.29199 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 115 | 9.50 | 9.40 | 11.31663 | 0.0 | 0.29204 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| 116 | 9.40 | 9.30 | 11.31881 | 0.0 | 0.29210 | 0.00 | 1.55 | 25.00 | 3875.00 | 2500.00 | 38.75 | 0.00 | 0.000 | 0.400 | 0.292 |
| TOT | | | | | 0.16 | | | 151125.00 | 97500.00 | | | | | | |
| AVG | | | | 0.2910 | | | 1.55 | 25.00 | | | 38.75 | | | | |
| CUM | | | | | 14.45 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD#1 DECAY | BOD#1 SETT | BOD#1 DECAY | ABOD#1 DECAY | BOD#2 SETT | BOD#2 DECAY | ABOD#2 SOD | BKGD SOD | FULL SOD | CORR DECAY | ORGN SETT | ORGN DECAY | NH3 SRCE | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | | |
| 78 | 13.100 | 7.42 | 1.34 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 79 | 13.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 80 | 12.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 81 | 12.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 82 | 12.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 83 | 12.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 84 | 12.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 85 | 12.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 86 | 12.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 87 | 12.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 88 | 12.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.44 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 89 | 12.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 90 | 11.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 91 | 11.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 92 | 11.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 93 | 11.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 94 | 11.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 11.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 11.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 11.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 11.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 11.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 10.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 10.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 10.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 10.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 10.200 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 10.100 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 10.000 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.900 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.800 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.700 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 9.600 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 9.500 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 9.400 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 9.300 | 7.42 | 1.35 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 5.03 | 5.03 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.10 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 13.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 20.85 | 0.00 | 0. | 0.00 |
| 79 | 13.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 21.69 | 0.00 | 0. | 0.00 |
| 80 | 12.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.84 | 0.00 | 6.84 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 22.54 | 0.00 | 0. | 0.00 |
| 81 | 12.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 23.38 | 0.00 | 0. | 0.00 |
| 82 | 12.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.31 | 0.00 | 24.23 | 0.00 | 0. | 0.00 |
| 83 | 12.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.83 | 0.00 | 6.83 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.08 | 0.00 | 0. | 0.00 |
| 84 | 12.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 25.92 | 0.00 | 0. | 0.00 |
| 85 | 12.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.82 | 0.00 | 6.82 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 26.77 | 0.00 | 0. | 0.00 |
| 86 | 12.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 27.62 | 0.00 | 0. | 0.00 |
| 87 | 12.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 28.46 | 0.00 | 0. | 0.00 |
| 88 | 12.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.81 | 0.00 | 6.81 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 29.31 | 0.00 | 0. | 0.00 |
| 89 | 12.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.80 | 0.00 | 6.80 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 30.15 | 0.00 | 0. | 0.00 |
| 90 | 11.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.00 | 0.00 | 0. | 0.00 |
| 91 | 11.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.80 | 0.00 | 6.80 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 31.85 | 0.00 | 0. | 0.00 |
| 92 | 11.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 32.69 | 0.00 | 0. | 0.00 |
| 93 | 11.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.79 | 0.00 | 6.79 | 0.00 | 1.22 | 0.11 | 0.00 | 1.32 | 0.00 | 33.54 | 0.00 | 0. | 0.00 |
| 94 | 11.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 34.38 | 0.00 | 0. | 0.00 |
| 95 | 11.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 35.23 | 0.00 | 0. | 0.00 |
| 96 | 11.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.78 | 0.00 | 6.78 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.08 | 0.00 | 0. | 0.00 |
| 97 | 11.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 36.92 | 0.00 | 0. | 0.00 |
| 98 | 11.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 37.77 | 0.00 | 0. | 0.00 |
| 99 | 11.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.77 | 0.00 | 6.77 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 38.62 | 0.00 | 0. | 0.00 |
| 100 | 10.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.22 | 0.11 | 0.00 | 1.33 | 0.00 | 39.46 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 10.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 40.31 | 0.00 | 0. | 0.00 |
| 102 | 10.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.76 | 0.00 | 6.76 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 41.15 | 0.00 | 0. | 0.00 |
| 103 | 10.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.00 | 0.00 | 0. | 0.00 |
| 104 | 10.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.33 | 0.00 | 42.85 | 0.00 | 0. | 0.00 |
| 105 | 10.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.75 | 0.00 | 6.75 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 43.69 | 0.00 | 0. | 0.00 |
| 106 | 10.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 44.54 | 0.00 | 0. | 0.00 |
| 107 | 10.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.74 | 0.00 | 6.74 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 45.38 | 0.00 | 0. | 0.00 |
| 108 | 10.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 46.23 | 0.00 | 0. | 0.00 |
| 109 | 10.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.08 | 0.00 | 0. | 0.00 |
| 110 | 9.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.06 | 6.73 | 0.00 | 6.73 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 47.92 | 0.00 | 0. | 0.00 |
| 111 | 9.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 48.77 | 0.00 | 0. | 0.00 |
| 112 | 9.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.23 | 0.11 | 0.00 | 1.34 | 0.00 | 49.62 | 0.00 | 0. | 0.00 |
| 113 | 9.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.72 | 0.00 | 6.72 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 50.46 | 0.00 | 0. | 0.00 |
| 114 | 9.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 51.31 | 0.00 | 0. | 0.00 |
| 115 | 9.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.07 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 52.15 | 0.00 | 0. | 0.00 |
| 116 | 9.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

REACH NO. 4 405/406 boundary to L. Theriot TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | UPR RCH | 11.31881 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.71 | 0.00 | 6.71 | 0.00 | 1.24 | 0.11 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 9.30 | 9.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 118 | 9.20 | 9.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 119 | 9.10 | 9.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 120 | 9.00 | 8.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 121 | 8.90 | 8.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 122 | 8.80 | 8.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 123 | 8.70 | 8.60 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 124 | 8.60 | 8.50 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 125 | 8.50 | 8.40 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 126 | 8.40 | 8.30 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 127 | 8.30 | 8.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 128 | 8.20 | 8.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 129 | 8.10 | 8.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 130 | 8.00 | 7.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 131 | 7.90 | 7.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 132 | 7.80 | 7.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 133 | 7.70 | 7.60 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 134 | 7.60 | 7.50 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 135 | 7.50 | 7.40 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 136 | 7.40 | 7.30 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 137 | 7.30 | 7.20 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 138 | 7.20 | 7.10 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 139 | 7.10 | 7.00 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |
| 140 | 7.00 | 6.90 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | 6.90 | 6.80 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 | | | | | | | | |
| 142 | 6.80 | 6.70 | 11.31881 | 0.0 | 0.73025 | 0.00 | 1.55 | 10.00 | 1550.00 | 1000.00 | 15.50 | 0.00 | 0.000 | 0.300 | 0.730 | | | | | | | | |
| TOT | | | | | 0.04 | | | 40300.00 | 26000.00 | | | | | | | | | | | | | | |
| AVG | | | | 0.7302 | | | 1.55 | 10.00 | | | 15.50 | | | | | | | | | | | | |
| CUM | | | | | 14.49 | | | | | | | | | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 9.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 118 | 9.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 119 | 9.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 120 | 8.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 121 | 8.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 122 | 8.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 123 | 8.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 124 | 8.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 125 | 8.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 126 | 8.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 127 | 8.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 128 | 8.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 129 | 8.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 130 | 7.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 131 | 7.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 132 | 7.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 133 | 7.600 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 134 | 7.500 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 135 | 7.400 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 136 | 7.300 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 137 | 7.200 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 138 | 7.100 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 139 | 7.000 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 140 | 6.900 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 141 | 6.800 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 142 | 6.700 | 7.42 | 2.13 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AVG 20 DEG C RATE | | | 1.74 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | TOTN µg/L | PHOS g/m³ | CHL A | MACRO #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 9.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.08 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 118 | 9.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.70 | 0.00 | 6.70 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 119 | 9.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.09 | 6.69 | 0.00 | 6.69 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 120 | 8.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 121 | 8.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.10 | 6.68 | 0.00 | 6.68 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 122 | 8.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 123 | 8.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.11 | 6.67 | 0.00 | 6.67 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 124 | 8.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 125 | 8.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.12 | 6.66 | 0.00 | 6.66 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |
| 126 | 8.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 127 | 8.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.13 | 6.65 | 0.00 | 6.65 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 128 | 8.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 129 | 8.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.64 | 0.00 | 6.64 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 130 | 7.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.14 | 6.63 | 0.00 | 6.63 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 131 | 7.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 132 | 7.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.15 | 6.62 | 0.00 | 6.62 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 133 | 7.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 134 | 7.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.16 | 6.61 | 0.00 | 6.61 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 135 | 7.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 136 | 7.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.17 | 6.60 | 0.00 | 6.60 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 137 | 7.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 138 | 7.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.18 | 6.59 | 0.00 | 6.59 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 139 | 7.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 140 | 6.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.19 | 6.58 | 0.00 | 6.58 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 141 | 6.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 142 | 6.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 1.34 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

REACH NO. 7 L. Theriot to Mandalay WR Bndy TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 µg/L | NO3+2 #/100mL | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | UPR RCH | 11.31881 | 31.10 | 0.00 | 0.00 | 0.00 | 5.20 | 6.57 | 0.00 | 6.57 | 0.00 | 1.24 | 0.11 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |
| 172 | TRIB | 0.50324 | 31.10 | 0.00 | 0.00 | 0.00 | 6.65 | 5.34 | 0.00 | 5.34 | 0.00 | 0.98 | 0.08 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.70 | 6.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 173 | 6.60 | 6.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 174 | 6.50 | 6.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 175 | 6.40 | 6.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 176 | 6.30 | 6.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 177 | 6.20 | 6.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 178 | 6.10 | 6.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 179 | 6.00 | 5.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 180 | 5.90 | 5.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 181 | 5.80 | 5.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 182 | 5.70 | 5.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 183 | 5.60 | 5.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 184 | 5.50 | 5.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 185 | 5.40 | 5.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 186 | 5.30 | 5.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 187 | 5.20 | 5.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 188 | 5.10 | 5.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 189 | 5.00 | 4.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 190 | 4.90 | 4.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 191 | 4.80 | 4.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 192 | 4.70 | 4.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 193 | 4.60 | 4.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 194 | 4.50 | 4.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | 4.40 | 4.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 196 | 4.30 | 4.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 197 | 4.20 | 4.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 198 | 4.10 | 4.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 199 | 4.00 | 3.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 200 | 3.90 | 3.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 201 | 3.80 | 3.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 202 | 3.70 | 3.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 203 | 3.60 | 3.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 204 | 3.50 | 3.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 205 | 3.40 | 3.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 206 | 3.30 | 3.20 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 207 | 3.20 | 3.10 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 208 | 3.10 | 3.00 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 209 | 3.00 | 2.90 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 210 | 2.90 | 2.80 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 211 | 2.80 | 2.70 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 212 | 2.70 | 2.60 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 213 | 2.60 | 2.50 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 214 | 2.50 | 2.40 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| 215 | 2.40 | 2.30 | 11.82205 | 0.0 | 0.16581 | 0.01 | 1.55 | 46.00 | 7130.00 | 4600.00 | 71.30 | 0.00 | 0.000 | 0.100 | 0.166 |
| TOT | | | | | 0.31 | | | 313719.97 | 202400.00 | | | | | | |
| AVG | | | | 0.1658 | | | 1.55 | 46.00 | | | 71.30 | | | | |
| CUM | | | | | 14.80 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE * | DENIT SRCE 1/da | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 173 | 6.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 174 | 6.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 175 | 6.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 176 | 6.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 177 | 6.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 178 | 6.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 179 | 5.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 180 | 5.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 181 | 5.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 182 | 5.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 183 | 5.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 184 | 5.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 185 | 5.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 186 | 5.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 187 | 5.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 188 | 5.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 189 | 4.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 190 | 4.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 191 | 4.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 192 | 4.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 193 | 4.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 194 | 4.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 4.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 4.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 4.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 4.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 3.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 3.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 3.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 3.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 3.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 3.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 3.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 3.200 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 3.100 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 3.000 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 2.900 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 2.800 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 2.700 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 2.600 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 2.500 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 2.400 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 2.300 | 7.42 | 1.02 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | | 0.83 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 6.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.29 | 6.47 | 0.00 | 6.47 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 173 | 6.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.29 | 6.45 | 0.00 | 6.45 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 174 | 6.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.42 | 0.00 | 6.42 | 0.00 | 1.22 | 0.10 | 0.00 | 1.33 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 175 | 6.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.40 | 0.00 | 6.40 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 176 | 6.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.30 | 6.38 | 0.00 | 6.38 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 177 | 6.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.36 | 0.00 | 6.36 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 178 | 6.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.33 | 0.00 | 6.33 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 179 | 5.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.31 | 6.31 | 0.00 | 6.31 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 180 | 5.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.29 | 0.00 | 6.29 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 181 | 5.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.26 | 0.00 | 6.26 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 182 | 5.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.32 | 6.24 | 0.00 | 6.24 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 183 | 5.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.33 | 6.22 | 0.00 | 6.22 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 184 | 5.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.33 | 6.20 | 0.00 | 6.20 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 185 | 5.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.17 | 0.00 | 6.17 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 186 | 5.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.15 | 0.00 | 6.15 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 187 | 5.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.34 | 6.13 | 0.00 | 6.13 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 188 | 5.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.11 | 0.00 | 6.11 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 189 | 4.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.35 | 6.09 | 0.00 | 6.09 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 190 | 4.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.06 | 0.00 | 6.06 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 191 | 4.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.04 | 0.00 | 6.04 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 192 | 4.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.36 | 6.02 | 0.00 | 6.02 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 193 | 4.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.37 | 6.00 | 0.00 | 6.00 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 194 | 4.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.37 | 5.98 | 0.00 | 5.98 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | 4.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 5.96 | 0.00 | 5.96 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 196 | 4.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.38 | 5.94 | 0.00 | 5.94 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 197 | 4.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.91 | 0.00 | 5.91 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 198 | 4.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.89 | 0.00 | 5.89 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 199 | 3.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.39 | 5.87 | 0.00 | 5.87 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 200 | 3.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.40 | 5.85 | 0.00 | 5.85 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 201 | 3.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.40 | 5.83 | 0.00 | 5.83 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 202 | 3.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.41 | 5.81 | 0.00 | 5.81 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 203 | 3.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.41 | 5.79 | 0.00 | 5.79 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 204 | 3.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 5.77 | 0.00 | 5.77 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 205 | 3.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.42 | 5.75 | 0.00 | 5.75 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 206 | 3.200 | 31.10 | 0.00 | 0.00 | 0.00 | 5.43 | 5.73 | 0.00 | 5.73 | 0.00 | 1.22 | 0.10 | 0.00 | 1.32 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 207 | 3.100 | 31.10 | 0.00 | 0.00 | 0.00 | 5.43 | 5.71 | 0.00 | 5.71 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 208 | 3.000 | 31.10 | 0.00 | 0.00 | 0.00 | 5.44 | 5.68 | 0.00 | 5.68 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 209 | 2.900 | 31.10 | 0.00 | 0.00 | 0.00 | 5.44 | 5.66 | 0.00 | 5.66 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 210 | 2.800 | 31.10 | 0.00 | 0.00 | 0.00 | 5.45 | 5.64 | 0.00 | 5.64 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 211 | 2.700 | 31.10 | 0.00 | 0.00 | 0.00 | 5.45 | 5.62 | 0.00 | 5.62 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 212 | 2.600 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 5.60 | 0.00 | 5.60 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 213 | 2.500 | 31.10 | 0.00 | 0.00 | 0.00 | 5.46 | 5.58 | 0.00 | 5.58 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 214 | 2.400 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.56 | 0.00 | 5.56 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 215 | 2.300 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 1.31 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake de Cade Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 8 Mandalay WR Bndy to constriction TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS | CHL A #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | UPR RCH | 11.82205 | 31.10 | 0.00 | 0.00 | 0.00 | 5.47 | 5.54 | 0.00 | 5.54 | 0.00 | 1.22 | 0.10 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 2.30 | 2.20 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 217 | 2.20 | 2.10 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 218 | 2.10 | 2.00 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 219 | 2.00 | 1.90 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 220 | 1.90 | 1.80 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 221 | 1.80 | 1.70 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 222 | 1.70 | 1.60 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| 223 | 1.60 | 1.50 | 11.82205 | 0.0 | 0.06934 | 0.02 | 1.55 | 110.00 | 17050.00 | 11000.00 | 170.50 | 0.00 | 0.000 | 0.100 | 0.069 |
| TOT | | | | | 0.13 | | | | 136400.00 | 88000.00 | | | | | |
| AVG | | | | 0.0693 | | | 1.55 | 110.00 | | | 170.50 | | | | |
| CUM | | | | | 14.93 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | ABOD#2 DECAY * | BKGD SOD * | FULL SOD * | CORR SOD 1/da | ORGN DECAY 1/da | ORGN SETT 1/da | NH3 SRCE * | NH3 RATE 1/da | SRCE * | DENIT PROD ** | PO4 PROD ** | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 2.200 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 217 | 2.100 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 218 | 2.000 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 219 | 1.900 | 7.42 | 0.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |

```
220   1.800 7.42   0.66  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 4.41 0.00  0.00  0.00  0.00
221   1.700 7.42   0.66  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 4.41 0.00  0.00  0.00  0.00
222   1.600 7.42   0.66  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 4.41 0.00  0.00  0.00  0.00
223   1.500 7.42   0.66  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 4.41 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.54  0.31 0.00  0.00  0.00 0.00  0.00 2.00          0.01 0.00  0.20 0.00  0.00 0.00          0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1 BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C  PPT              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
216   2.200 31.10 0.00    0.00    0.00 5.47  5.50  0.00  5.50  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
217   2.100 31.10 0.00    0.00    0.00 5.48  5.45  0.00  5.45  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
218   2.000 31.10 0.00    0.00    0.00 5.48  5.40  0.00  5.40  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
219   1.900 31.10 0.00    0.00    0.00 5.48  5.36  0.00  5.36  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
220   1.800 31.10 0.00    0.00    0.00 5.48  5.31  0.00  5.31  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
221   1.700 31.10 0.00    0.00    0.00 5.49  5.26  0.00  5.26  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
222   1.600 31.10 0.00    0.00    0.00 5.49  5.22  0.00  5.22  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
223   1.500 31.10 0.00    0.00    0.00 5.49  5.18  0.00  5.18  0.00  1.22  0.09  0.00  1.31  0.00 53.00   0.00      0.   0.00
FINAL REPORT    Lake de Cade                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO.  9    constriction to Lake Hache inflo          TMDL Simulation for Lake de Cade Theriot and Hache model
************************************************************ REACH INPUTS ************************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.                deg C    ppt              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
224  UPR RCH  11.82205  31.10    0.00    0.00    0.00  5.49  5.18  0.00  5.18  0.00  1.22  0.09  0.00  0.00 53.00    0.00   0.00
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL   TIDAL   DISPRSN    MEAN
NO.   DIST   DIST        EFF   VELO    TIME                          AREA    AREA    PRISM   VELO            VELO
      km     km        m³/s      m/s    days     m      m      m³      m²      m²      m³    m/s    m²/s    m/s
224   1.50   1.40   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
225   1.40   1.30   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
226   1.30   1.20   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
227   1.20   1.10   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
228   1.10   1.00   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
229   1.00   0.90   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
230   0.90   0.80   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
231   0.80   0.70   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
232   0.70   0.60   11.82205  0.0  0.25424    0.00   1.55  30.00  4650.00  3000.00  46.50    0.00  0.000    0.100  0.254
TOT                                  0.04              41850.00  27000.00
AVG                            0.2542          1.55  30.00                 46.50
CUM                                 14.98
************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN  ORGN   NH3   NH3  DENIT   PO4   ALG   MAC   COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY  SRCE   RATE  SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *     *     *    1/da  1/da  1/da   *    1/da   *    **    **   1/da  1/da  1/da
224   1.400 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 4.79 0.00  0.00  0.00  0.00
225   1.300 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 5.17 0.00  0.00  0.00  0.00
226   1.200 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 5.55 0.00  0.00  0.00  0.00
227   1.100 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 5.93 0.00  0.00  0.00  0.00
228   1.000 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 6.31 0.00  0.00  0.00  0.00
229   0.900 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 6.69 0.00  0.00  0.00  0.00
230   0.800 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.07 0.00  0.00  0.00  0.00
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231   0.700 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.45 0.00  0.00  0.00  0.00
232   0.600 7.42   1.26  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.45 0.00  0.00 0.00 7.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.03  0.31 0.00  0.00  0.00 0.00  0.00 2.00            0.01 0.00  0.20 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
224   1.400  31.10 0.00    0.00    0.00  5.50  5.16  0.00  5.16  0.00  1.22  0.09  0.00  1.31  0.00 57.56   0.00      0.   0.00
225   1.300  31.10 0.00    0.00    0.00  5.51  5.15  0.00  5.15  0.00  1.22  0.09  0.00  1.31  0.00 62.11   0.00      0.   0.00
226   1.200  31.10 0.00    0.00    0.00  5.52  5.14  0.00  5.14  0.00  1.22  0.09  0.00  1.31  0.00 66.67   0.00      0.   0.00
227   1.100  31.10 0.00    0.00    0.00  5.54  5.13  0.00  5.13  0.00  1.21  0.09  0.00  1.31  0.00 71.22   0.00      0.   0.00
228   1.000  31.10 0.00    0.00    0.00  5.55  5.12  0.00  5.12  0.00  1.21  0.09  0.00  1.31  0.00 75.78   0.00      0.   0.00
229   0.900  31.10 0.00    0.00    0.00  5.57  5.10  0.00  5.10  0.00  1.21  0.09  0.00  1.31  0.00 80.33   0.00      0.   0.00
230   0.800  31.10 0.00    0.00    0.00  5.59  5.09  0.00  5.09  0.00  1.21  0.09  0.00  1.31  0.00 84.89   0.00      0.   0.00
231   0.700  31.10 0.00    0.00    0.00  5.61  5.08  0.00  5.08  0.00  1.21  0.09  0.00  1.31  0.00 89.44   0.00      0.   0.00
232   0.600  31.10 0.00    0.00    0.00  5.63  5.07  0.00  5.07  0.00  1.21  0.09  0.00  1.31  0.00 94.00   0.00      0.   0.00
FINAL REPORT    Lake de Cade                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 12    Lake Hache inflow to 406 boundar            TMDL Simulation for Lake de Cade Theriot and Hache model
************************************************************** REACH INPUTS **************************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.                deg C    ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
244  UPR RCH  11.82205  31.10    0.00    0.00    0.00  5.63  5.07  0.00  5.07  0.00  1.21  0.09  0.00  0.00 94.00    0.00    0.00
244  TRIB     0.11333  31.10    0.00    0.00    0.00  6.67 12.66  0.00 12.66  0.00  1.48  0.10  0.00  0.00 94.00    0.00    0.00
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL   DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL   TIDAL   DISPRSN    MEAN
NO.   DIST   DIST        EFF   VELO    TIME                        AREA   AREA    PRISM   VELO            VELO
      km     km        m³/s      m/s    days     m      m      m³      m²     m²      m³    m/s    m²/s    m/s
244   0.60   0.50   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
245   0.50   0.40   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
246   0.40   0.30   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
247   0.30   0.20   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
248   0.20   0.10   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
249   0.10   0.00   11.93538  0.0  0.38501    0.00   1.55  20.00  3100.00   2000.00  31.00    0.00  0.000    0.100  0.385
TOT                                 0.02              18600.00  12000.00
AVG                          0.3850          1.55  20.00                31.00
CUM                                 14.99
************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************
ELEM  ENDING  SAT    REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3   NH3 DENIT   PO4   ALG   MAC   COLI    NCM    NCM
NO.    DIST  D.O.   RATE  DECAY  SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY  SRCE   RATE  SRCE  PROD  PROD  DECAY  DECAY   SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *     *     *    1/da  1/da  1/da   *    1/da   *    **    **    1/da  1/da  1/da
244   0.500 7.39   1.56  0.52 0.00  0.00  0.00 0.00  0.00 4.08 4.08 4.08  0.01 0.00  0.46 0.00  0.00 0.00 6.59 0.00  0.00  0.00  0.00
245   0.400 7.36   1.56  0.53 0.00  0.00  0.00 0.00  0.00 4.13 4.13 4.13  0.01 0.00  0.47 0.00  0.00 0.00 5.32 0.00  0.00  0.00  0.00
246   0.300 7.34   1.57  0.53 0.00  0.00  0.00 0.00  0.00 4.19 4.19 4.19  0.01 0.00  0.48 0.00  0.00 0.00 4.04 0.00  0.00  0.00  0.00
247   0.200 7.31   1.57  0.54 0.00  0.00  0.00 0.00  0.00 4.25 4.25 4.25  0.01 0.00  0.49 0.00  0.00 0.00 2.72 0.00  0.00  0.00  0.00
248   0.100 7.28   1.58  0.54 0.00  0.00  0.00 0.00  0.00 4.31 4.31 4.31  0.01 0.00  0.50 0.00  0.00 0.00 1.38 0.00  0.00  0.00  0.00
249   0.000 7.26   1.58  0.55 0.00  0.00  0.00 0.00  0.00 4.37 4.37 4.37  0.01 0.00  0.51 0.00  0.00 0.00 0.01 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.26  0.31 0.00  0.00  0.00 0.00  0.00 2.00            0.01 0.00  0.20 0.00  0.00 0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
************************************************** WATER QUALITY CONSTITUENT VALUES **************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
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| NO. | DIST | DEG C | PPT | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | g/m³ | #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244 | 0.500 | 31.32 | 0.00 | 0.00 | 0.00 | 5.66 | 5.23 | 0.00 | 5.23 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 78.35 | 0.00 | 0. | 0.00 |
| 245 | 0.400 | 31.53 | 0.00 | 0.00 | 0.00 | 5.67 | 5.22 | 0.00 | 5.22 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 62.70 | 0.00 | 0. | 0.00 |
| 246 | 0.300 | 31.75 | 0.00 | 0.00 | 0.00 | 5.67 | 5.21 | 0.00 | 5.21 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 47.04 | 0.00 | 0. | 0.00 |
| 247 | 0.200 | 31.97 | 0.00 | 0.00 | 0.00 | 5.67 | 5.20 | 0.00 | 5.20 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 31.39 | 0.00 | 0. | 0.00 |
| 248 | 0.100 | 32.18 | 0.00 | 0.00 | 0.00 | 5.66 | 5.19 | 0.00 | 5.19 | 0.00 | 1.22 | 0.09 | 0.00 | 1.31 | 0.00 | 15.74 | 0.00 | 0. | 0.00 |
| 249 | 0.000 | 32.40 | 0.00 | 0.00 | 0.00 | 5.66 | 5.18 | 0.00 | 5.18 | 0.00 | 1.21 | 0.09 | 0.00 | 1.30 | 0.00 | 0.09 | 0.00 | 0. | 0.00 |

STREAM SUMMARY Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake de Cade TMDL Simulation for Lake de Cade Theriot and Hache model

TRAVEL TIME = 14.99 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT
FLOW = 11.23382 TO 14.34643 m³/s
DISPERSION = 0.1000 TO 0.5000 m²/s
VELOCITY = 0.00487 TO 0.73025 m/s
DEPTH = 1.55 TO 1.55 m
WIDTH = 10.00 TO ****** m
BOD DECAY = 0.22 TO 0.55 per day
NH3 DECAY = 0.44 TO 0.51 per day
SOD = 2.41 TO 5.03 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.66 TO 2.13 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.00 TO 0.01 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 31.10 TO 32.40 deg C
DISSOLVED OXYGEN = 5.06 TO 6.54 mg/L

FINAL REPORT Lake Theriot Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 5 Lake Theriot TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 mg/L | PHOS µg/L | CHL A | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | HDWTR | 0.00324 | 30.00 | 0.00 | 0.00 | 0.00 | 6.90 | 2.72 | 0.00 | 2.72 | 0.00 | 0.90 | 0.10 | 0.04 | 0.00 | 53.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02000 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.90 | 2.80 | 0.02324 | 0.0 | 0.00001 | 96.74 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 144 | 2.80 | 2.70 | 0.04324 | 0.0 | 0.00002 | 51.99 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 145 | 2.70 | 2.60 | 0.06324 | 0.0 | 0.00003 | 35.55 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 146 | 2.60 | 2.50 | 0.08324 | 0.0 | 0.00004 | 27.01 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 147 | 2.50 | 2.40 | 0.10324 | 0.0 | 0.00005 | 21.78 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 148 | 2.40 | 2.30 | 0.12324 | 0.0 | 0.00006 | 18.24 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 149 | 2.30 | 2.20 | 0.14324 | 0.0 | 0.00007 | 15.69 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 150 | 2.20 | 2.10 | 0.16324 | 0.0 | 0.00008 | 13.77 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 151 | 2.10 | 2.00 | 0.18324 | 0.0 | 0.00009 | 12.27 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 152 | 2.00 | 1.90 | 0.20324 | 0.0 | 0.00010 | 11.06 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 153 | 1.90 | 1.80 | 0.22324 | 0.0 | 0.00011 | 10.07 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 154 | 1.80 | 1.70 | 0.24324 | 0.0 | 0.00013 | 9.24 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | 1.70 | 1.60 | 0.26324 | 0.0 | 0.00014 | 8.54 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 156 | 1.60 | 1.50 | 0.28324 | 0.0 | 0.00015 | 7.94 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 157 | 1.50 | 1.40 | 0.30324 | 0.0 | 0.00016 | 7.41 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 158 | 1.40 | 1.30 | 0.32324 | 0.0 | 0.00017 | 6.96 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 159 | 1.30 | 1.20 | 0.34324 | 0.0 | 0.00018 | 6.55 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 160 | 1.20 | 1.10 | 0.36324 | 0.0 | 0.00019 | 6.19 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 161 | 1.10 | 1.00 | 0.38324 | 0.0 | 0.00020 | 5.87 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 162 | 1.00 | 0.90 | 0.40324 | 0.0 | 0.00021 | 5.58 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 163 | 0.90 | 0.80 | 0.42324 | 0.0 | 0.00022 | 5.31 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 164 | 0.80 | 0.70 | 0.44324 | 0.0 | 0.00023 | 5.07 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 165 | 0.70 | 0.60 | 0.46324 | 0.0 | 0.00024 | 4.85 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| 166 | 0.60 | 0.50 | 0.48324 | 0.0 | 0.00025 | 4.65 | 0.80 | 2428.00 | 194240.00 | 242800.00 | 1942.40 | 0.00 | 0.000 | 0.000 | 0.000 |
| TOT | | | | | 398.33 | | | 4661760.00 | 5827200.00 | | | | | | |
| AVG | | | | | 0.0001 | | 0.80 | 2428.00 | | | 1942.40 | | | | |
| CUM | | | | | 398.33 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | DECAY 1/da | SETT 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY * | NH3 SRCE ** | NH3 RATE ** | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 144 | 2.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 145 | 2.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 146 | 2.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 147 | 2.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 148 | 2.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 149 | 2.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 150 | 2.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 151 | 2.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 152 | 1.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 153 | 1.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 154 | 1.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 155 | 1.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 156 | 1.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 157 | 1.400 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 158 | 1.300 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 159 | 1.200 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 160 | 1.100 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 161 | 1.000 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 162 | 0.900 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 163 | 0.800 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 164 | 0.700 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 165 | 0.600 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 166 | 0.500 | 7.42 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| AVG 20 DEG C RATE | | | 1.16 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | | | 0.00 | 0.00 | 0.00 | |

* $g/m^2/d$ ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.67 | 0.00 | 3.67 | 0.00 | 0.84 | 0.04 | 0.00 | 0.88 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |
| 144 | 2.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.88 | 0.00 | 53.00 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 145 | 2.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 146 | 2.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 147 | 2.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 148 | 2.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 149 | 2.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 150 | 2.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 151 | 2.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 152 | 1.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 153 | 1.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 154 | 1.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 155 | 1.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 156 | 1.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 157 | 1.400 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 158 | 1.300 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 159 | 1.200 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 160 | 1.100 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 161 | 1.000 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 162 | 0.900 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 163 | 0.800 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 164 | 0.700 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 165 | 0.600 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.68 | 0.00 | 3.68 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |
| 166 | 0.500 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.87 | 0.00 | 53.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Lake Theriot Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 6 Lake Theriot Discharge TMDL Simulation for Lake de Cade Theriot and Hache model

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW deg C | TEMP ppt | SALN | CM-I mg/L | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | PHOS #/100mL | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | UPR RCH | 0.48324 | 31.10 | 0.00 | 0.00 | 0.00 | 6.66 | 3.69 | 0.00 | 3.69 | 0.00 | 0.83 | 0.04 | 0.00 | 0.00 | 53.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00400 | 30.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | | 2.00 | 1.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m³ | VOLUME m² | SURFACE AREA m² | X-SECT AREA m³ | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | 0.50 | 0.40 | 0.48724 | 0.0 | 0.01280 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 168 | 0.40 | 0.30 | 0.49124 | 0.0 | 0.01290 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 169 | 0.30 | 0.20 | 0.49524 | 0.0 | 0.01301 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 170 | 0.20 | 0.10 | 0.49924 | 0.0 | 0.01311 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| 171 | 0.10 | 0.00 | 0.50324 | 0.0 | 0.01322 | 0.09 | 1.90 | 20.00 | 3808.00 | 2000.00 | 38.08 | 0.00 | 0.000 | 0.200 | 0.013 |
| TOT | | | | | 0.45 | | | 19040.00 | 10000.00 | | | | | | |
| AVG | | | | 0.0130 | | | 1.90 | 20.00 | | | 38.08 | | | | |
| CUM | | | | | 398.78 | | | | | | | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD#1 DECAY 1/da | BOD#1 SETT 1/da | ABOD#1 DECAY 1/da | ABOD#1 SETT 1/da | BOD#2 DECAY 1/da | BOD#2 SETT 1/da | ABOD#2 DECAY * | BKGD SOD * | FULL SOD * | CORR DECAY 1/da | ORGN SETT 1/da | ORGN DECAY 1/da | NH3 SRCE * | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 | 0.400 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 168 | 0.300 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 169 | 0.200 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 170 | 0.100 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 171 | 0.000 | 7.42 | 0.45 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | |

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AVG 20 DEG C RATE    0.37  0.13 0.00  0.00  0.00 0.00  0.00 2.00          0.01 0.00  0.20 0.00  0.00 0.00          0.00  0.00  0.00
*  g/m²/d        **  mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  g/m³  #/100mL
167  0.400  31.10 0.00    0.00    0.00  6.80  3.97  0.00  3.97  0.00  0.84  0.05  0.00  0.89  0.00  53.00   0.00     0.  0.00
168  0.300  31.10 0.00    0.00    0.00  6.92  4.22  0.00  4.22  0.00  0.85  0.05  0.00  0.91  0.00  53.00   0.00     0.  0.00
169  0.200  31.10 0.00    0.00    0.00  7.01  4.47  0.00  4.47  0.00  0.86  0.06  0.00  0.92  0.00  53.00   0.00     0.  0.00
170  0.100  31.10 0.00    0.00    0.00  7.05  4.75  0.00  4.75  0.00  0.88  0.07  0.00  0.95  0.00  53.00   0.00     0.  0.00
171  0.000  31.10 0.00    0.00    0.00  6.65  5.34  0.00  5.34  0.00  0.98  0.08  0.00  1.06  0.00  53.00   0.00     0.  0.00
STREAM SUMMARY                                  Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake Theriot                                TMDL Simulation for Lake de Cade Theriot and Hache model
TRAVEL TIME      =        398.78 DAYS
MAXIMUM EFFLUENT  =         0.00 PERCENT
FLOW            =  0.02324 TO   0.50324   m³/s
DISPERSION      =  0.0000  TO   0.2000   m²/s
VELOCITY        =  0.00001 TO   0.01322   m/s
DEPTH           =  0.80   TO   1.90     m
WIDTH           =  20.00   TO  ******     m
BOD DECAY       =   0.10   TO   0.22     per day
NH3 DECAY       =   0.47   TO   0.47     per day
SOD             =   4.02   TO   4.02     g/m²/d
NH3 SOURCE      =   0.00   TO   0.00     g/m²/d
REAERATION      =   0.45   TO   1.43     per day
BOD SETTLING    =   0.00   TO   0.00     per day
ORG-N DECAY     =   0.01   TO   0.01     per day
ORG-N SETTLING  =   0.00   TO   0.00     per day
TEMPERATURE     =  31.10   TO  31.10     deg C
DISSOLVED OXYGEN =   6.65   TO   7.05     mg/L

FINAL REPORT   Lake Hache                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 10   Lake Hache                          TMDL Simulation for Lake de Cade Theriot and Hache model
********************************************************** REACH INPUTS ************************************************************
ELEM  TYPE      FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  PHOS  CHL A    COLI    NCM
NO.             deg C    ppt              mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L  #/100mL
233  HDWTR   0.00033  30.00    0.00    0.00    0.00  8.70  60.00  0.00  60.00  0.00  2.10  0.10  0.04  0.00  94.00    0.00    0.00
EACH  INCR   0.00988  30.00    0.00    0.00    0.00  5.00  60.00  0.00              2.40  1.00  0.04  0.00    0.00    0.00
************************************************** HYDRAULIC PARAMETER VALUES **************************************************
ELEM  BEGIN  ENDING    FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
NO.  DIST   DIST        EFF   VELO    TIME                        AREA   AREA    PRISM   VELO          VELO
     km     km      m³/s        m/s   days     m      m      m³      m²     m²      m³     m/s    m²/s    m/s
233  1.10   1.00   0.01021   0.0  0.00001   82.47   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
234  1.00   0.90   0.02009   0.0  0.00003   41.91   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
235  0.90   0.80   0.02997   0.0  0.00004   28.10   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
236  0.80   0.70   0.03985   0.0  0.00005   21.13   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
237  0.70   0.60   0.04973   0.0  0.00007   16.93   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
238  0.60   0.50   0.05961   0.0  0.00008   14.13   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
239  0.50   0.40   0.06949   0.0  0.00010   12.12   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
240  0.40   0.30   0.07937   0.0  0.00011   10.61   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
241  0.30   0.20   0.08925   0.0  0.00012    9.43   0.75  970.00  72750.00  97000.00  727.50    0.00  0.000    0.000  0.000
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 242   0.20   0.10   0.09913  0.0  0.00014    8.49   0.75  970.00  72750.00   97000.00  727.50     0.00  0.000    0.000  0.000
 TOT                                245.32            727500.00  970000.00
 AVG                          0.0000          0.75  970.00                 727.50
 CUM                                245.32
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3   NH3 DENIT  PO4   ALG   MAC  COLI   NCM   NCM
NO.    DIST  D.O.   RATE  DECAY SETT  DECAY  DECAY  SETT  DECAY   SOD   SOD   SOD  DECAY  SETT  DECAY SRCE  RATE SRCE  PROD  PROD  DECAY  DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
233   1.000  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
234   0.900  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
235   0.800  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
236   0.700  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
237   0.600  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
238   0.500  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
239   0.400  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
240   0.300  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
241   0.200  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
242   0.100  7.42   1.52  0.02  0.00  0.00  0.00  0.00  0.00  4.02  4.02  4.02  0.00  0.00  0.48  0.00  0.00  0.00  7.83  0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    1.24  0.01  0.00  0.00  0.00  0.00  0.00  2.00            0.00  0.00  0.20  0.00  0.00  0.00            0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
********************************************** WATER QUALITY CONSTITUENT VALUES **********************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN   NH3  NO3+2   TOTN   PHOS  CHL A  MACRO    COLI    NCM
NO.    DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L   µg/L   g/m³  #/100mL
233   1.000  31.10  0.00    0.00    0.00  8.68  25.28  0.00  25.28  0.00  1.83  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
234   0.900  31.10  0.00    0.00    0.00  8.68  24.95  0.00  24.95  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
235   0.800  31.10  0.00    0.00    0.00  8.68  24.87  0.00  24.87  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
236   0.700  31.10  0.00    0.00    0.00  8.68  24.84  0.00  24.84  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
237   0.600  31.10  0.00    0.00    0.00  8.68  24.83  0.00  24.83  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
238   0.500  31.10  0.00    0.00    0.00  8.68  24.82  0.00  24.82  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
239   0.400  31.10  0.00    0.00    0.00  8.68  24.82  0.00  24.82  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
240   0.300  31.10  0.00    0.00    0.00  8.68  24.81  0.00  24.81  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
241   0.200  31.10  0.00    0.00    0.00  8.68  24.81  0.00  24.81  0.00  1.82  0.04  0.00  1.86  0.00  94.00   0.00      0.   0.00
242   0.100  31.10  0.00    0.00    0.00  8.65  21.71  0.00  21.71  0.00  1.73  0.04  0.00  1.77  0.00  94.00   0.00      0.   0.00
FINAL REPORT    Lake Hache                          Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
REACH NO. 11    Lake Hache Discharge                     TMDL Simulation for Lake de Cade Theriot and Hache model
********************************************************** REACH INPUTS **********************************************************
ELEM  TYPE       FLOW    TEMP    SALN    CM-I   CM-II    DO  BOD#1  BOD#2 EBOD#1 EBOD#2   ORGN    NH3  NO3+2   PHOS  CHL A    COLI    NCM
NO.              deg C    ppt                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L   µg/L  #/100mL
 243  UPR RCH   0.09913   31.10    0.00    0.00    0.00  8.65  21.71  0.00  21.71  0.00  1.73  0.04  0.00  0.00  94.00    0.00   0.00
EACH  INCR      0.01420   30.00    0.00    0.00    0.00  5.00  45.00  0.00             2.00  1.00  0.04  0.00    0.00   0.00
********************************************************** HYDRAULIC PARAMETER VALUES **********************************************
ELEM  BEGIN  ENDING     FLOW  PCT  ADVCTV   TRAVEL  DEPTH  WIDTH   VOLUME   SURFACE  X-SECT    TIDAL  TIDAL  DISPRSN   MEAN
 NO.   DIST   DIST          EFF    VELO     TIME                          AREA   AREA    PRISM   VELO           VELO
       km     km       m³/s          m/s    days     m      m       m³       m²     m²       m³    m/s    m²/s    m/s
 243   0.10   0.00   0.11333  0.0  0.00146    0.79   1.55   50.00  7750.00   5000.00  77.50     0.00  0.000    0.100  0.001
 TOT                                0.79             7750.00   5000.00
 AVG                          0.0015          1.55   50.00                  77.50
 CUM                                246.11
********************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********************************************
ELEM  ENDING  SAT   REAER  BOD#1 BOD#1 ABOD#1  BOD#2 BOD#2 ABOD#2  BKGD  FULL  CORR   ORGN ORGN   NH3   NH3 DENIT  PO4   ALG   MAC  COLI   NCM   NCM
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NO.   DIST D.O.   RATE DECAY SETT DECAY DECAY SETT DECAY  SOD  SOD  SOD DECAY SETT DECAY SRCE  RATE SRCE PROD PROD DECAY DECAY  SETT
          mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da   *    *    *   1/da  1/da  1/da   *   1/da   *   **   **   1/da  1/da  1/da
243   0.000 7.42   0.55  0.52 0.00  0.00  0.00 0.00  0.00 4.02 4.02 4.02  0.01 0.00  0.47 0.00  0.00 0.00 7.83 0.00  0.00  0.00  0.00
AVG 20 DEG C RATE    0.45  0.31 0.00  0.00  0.00 0.00  0.00 2.00           0.01 0.00  0.20 0.00  0.00 0.00           0.00  0.00  0.00
*  g/m²/d          **   mg/L/day
************************************************ WATER QUALITY CONSTITUENT VALUES ************************************************
ELEM  ENDING  TEMP  SALN    CM-I   CM-II   DO  BOD#1  BOD#2 EBOD#1 EBOD#2  ORGN   NH3  NO3+2  TOTN  PHOS  CHL A  MACRO    COLI    NCM
NO.   DIST  DEG C  PPT                mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  µg/L   g/m³  #/100mL
243   0.000 31.10 0.00    0.00    0.00  6.67  12.66  0.00 12.66  0.00  1.48  0.10  0.00  1.58  0.00 94.00   0.00      0.   0.00
STREAM SUMMARY                                  Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
Lake Hache                                  TMDL Simulation for Lake de Cade Theriot and Hache model
TRAVEL TIME      =        246.11 DAYS
MAXIMUM EFFLUENT  =         0.00 PERCENT
FLOW           =  0.01021 TO   0.11333   m³/s
DISPERSION       =  0.0000  TO   0.1000    m²/s
VELOCITY         =  0.00001 TO   0.00146   m/s
DEPTH          =  0.75   TO   1.55     m
WIDTH          =  50.00   TO  970.00     m
BOD DECAY       =   0.02   TO   0.52     per day
NH3 DECAY       =   0.47   TO   0.48     per day
SOD            =   4.02   TO   4.02     g/m²/d
NH3 SOURCE       =   0.00   TO   0.00     g/m²/d
REAERATION       =   0.55   TO   1.52     per day
BOD SETTLING     =   0.00   TO   0.00     per day
ORG-N DECAY      =   0.00   TO   0.01     per day
ORG-N SETTLING   =   0.00   TO   0.00     per day
TEMPERATURE      =  31.10   TO  31.10     deg C
DISSOLVED OXYGEN  =   6.67   TO   8.68     mg/L
Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
TMDL Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake de Cade
RCH REACH NAME                    BEGIN   ENDING   REACH  TRAVEL  FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST    DIST  LENGTH   TIME     EOR     VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km      km     km     days    m3/s      m/s     m      m      cfs      fps     ft     ft
  1 Lake Hache incl 937              20.90    16.30   4.60     9.78  14.34643   0.00544   1.550 1527.00  506.572     0.018   5.086 5010.09
  2 Lake Hache incl 120406-B          16.30    13.20   3.10     4.51  11.23382   0.00795   1.550 1029.00  396.666     0.026   5.086 3376.15
  3 L. Hache-405/406 boundary         13.20     9.30   3.90     0.16  11.31881   0.29103   1.550   25.00  399.667     0.955   5.086   82.02
  4 405/406 boundary to L. Theriot     9.30     6.70   2.60     0.04  11.31881   0.73025   1.550   10.00  399.667     2.396   5.086   32.81
  7 L. Theriot to Mandalay WR Bndy     6.70     2.30   4.40     0.31  11.82205   0.16581   1.550   46.00  417.437     0.544   5.086  150.93
  8 Mandalay WR Bndy to constriction   2.30     1.50   0.80     0.13  11.82205   0.06934   1.550  110.00  417.437     0.227   5.086  360.91
  9 constriction to Lake Hache inflo   1.50     0.60   0.90     0.04  11.82205   0.25424   1.550   30.00  417.437     0.834   5.086   98.43
 12 Lake Hache inflow to 406 boundar   0.60     0.00   0.60     0.02  11.93538   0.38501   1.550   20.00  421.438     1.263   5.086   65.62
Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
TMDL Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake Theriot
RCH REACH NAME                    BEGIN   ENDING   REACH  TRAVEL  FLOW AT   AVERAGE    AVG    AVG  FLOW AT   AVERAGE    AVG    AVG
NO.                          DIST    DIST  LENGTH   TIME     EOR     VELO  DEPTH  WIDTH     EOR     VELO  DEPTH  WIDTH
                            km      km     km     days    m3/s      m/s     m      m      cfs      fps     ft     ft
  5 Lake Theriot                      2.90     0.50   2.40   398.33  0.48324   0.00007   0.800 2428.00   17.063     0.000   2.625 7966.27
  6 Lake Theriot Discharge            0.50     0.00   0.50     0.45  0.50324   0.01300   1.904   20.00   17.769     0.043   6.247   65.62
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Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)
TMDL Simulation for Lake de Cade Theriot and Hache model
REACH SUMMARY REPORT FOR Lake Hache

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | AVERAGE VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT EOR cfs | AVERAGE VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Lake Hache | 1.10 | 0.10 | 1.00 | 245.32 | 0.09913 | 0.00005 | 0.750 | 970.00 | 3.500 | 0.000 | 2.461 | 3182.57 |
| 11 | Lake Hache Discharge | 0.10 | 0.00 | 0.10 | 0.79 | 0.11333 | 0.00146 | 1.550 | 50.00 | 4.002 | 0.005 | 5.086 | 164.05 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6435. | 0. | -6463. | 0. | 0. | -2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -44. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7018.5 | 7018.5 | -0.07 |
| 2 | 6463. | 0. | -6496. | 2. | 0. | -1. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -42. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7048.7 | 7048.6 | -0.07 |
| 3 | 6496. | 0. | -6530. | 1. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -41. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7080.7 | 7080.7 | -0.06 |
| 4 | 6530. | 0. | -6566. | 0. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -39. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7115.0 | 7114.9 | -0.06 |
| 5 | 6566. | 0. | -6602. | -1. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -38. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7150.8 | 7150.7 | -0.06 |
| 6 | 6602. | 0. | -6639. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -37. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7187.1 | 7187.0 | -0.06 |
| 7 | 6639. | 0. | -6676. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 161. | -140. | -36. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7223.8 | 7223.8 | -0.06 |
| 8 | 6676. | 0. | -6713. | -2. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 160. | -140. | -35. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7260.9 | 7260.8 | -0.06 |
| 9 | 6713. | 0. | -6751. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 160. | -140. | -34. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7298.1 | 7298.0 | -0.06 |
| 10 | 6751. | 0. | -6789. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -34. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7335.5 | 7335.4 | -0.05 |
| 11 | 6789. | 0. | -6827. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -33. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7373.0 | 7372.9 | -0.05 |
| 12 | 6827. | 0. | -6865. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 159. | -140. | -32. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7410.5 | 7410.4 | -0.05 |
| 13 | 6865. | 0. | -6903. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 158. | -141. | -32. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7448.0 | 7448.0 | -0.05 |
| 14 | 6903. | 0. | -6941. | -3. | 0. | 3. | 28. | -1. | 0. | 0. | 0. | 158. | -141. | -31. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7485.6 | 7485.5 | -0.05 |
| 15 | 6941. | 0. | -6979. | -3. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 157. | -141. | -31. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7523.1 | 7523.0 | -0.05 |
| 16 | 6979. | 0. | -7017. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 157. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7560.5 | 7560.4 | -0.05 |
| 17 | 7017. | 0. | -7055. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7597.9 | 7597.8 | -0.05 |
| 18 | 7055. | 0. | -7093. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -30. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7635.2 | 7635.1 | -0.05 |
| 19 | 7093. | 0. | -7130. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 156. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7672.4 | 7672.3 | -0.05 |
| 20 | 7130. | 0. | -7168. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7709.5 | 7709.4 | -0.05 |
| 21 | 7168. | 0. | -7205. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7746.5 | 7746.5 | -0.05 |
| 22 | 7205. | 0. | -7242. | -2. | 0. | 2. | 28. | -1. | 0. | 0. | 0. | 155. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7783.4 | 7783.4 | -0.05 |
| 23 | 7242. | 0. | -7279. | -2. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -29. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7820.3 | 7820.3 | -0.05 |
| 24 | 7279. | 0. | -7316. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7857.1 | 7857.0 | -0.05 |
| 25 | 7316. | 0. | -7353. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7893.7 | 7893.7 | -0.05 |
| 26 | 7353. | 0. | -7390. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7930.3 | 7930.3 | -0.05 |
| 27 | 7390. | 0. | -7427. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 154. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -7966.9 | 7966.8 | -0.05 |
| 28 | 7427. | 0. | -7463. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8003.3 | 8003.3 | -0.05 |
| 29 | 7463. | 0. | -7500. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8039.7 | 8039.7 | -0.05 |
| 30 | 7500. | 0. | -7536. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8076.0 | 8076.0 | -0.04 |
| 31 | 7536. | 0. | -7573. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8112.3 | 8112.3 | -0.05 |
| 32 | 7573. | 0. | -7609. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8148.5 | 8148.5 | -0.04 |
| 33 | 7609. | 0. | -7645. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8184.7 | 8184.6 | -0.05 |
| 34 | 7645. | 0. | -7682. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 153. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8220.8 | 8220.7 | -0.05 |
| 35 | 7682. | 0. | -7718. | -1. | 0. | 1. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8256.8 | 8256.8 | -0.05 |
| 36 | 7718. | 0. | -7754. | -1. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8292.8 | 8292.8 | -0.04 |
| 37 | 7754. | 0. | -7790. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8328.7 | 8328.7 | -0.04 |
| 38 | 7790. | 0. | -7826. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8364.6 | 8364.6 | -0.04 |
| 39 | 7826. | 0. | -7862. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8400.4 | 8400.3 | -0.04 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 7862. | 0. | -7897. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8436.0 | 8436.0 | -0.04 |
| 41 | 7897. | 0. | -7933. | 0. | 0. | 0. | 28. | -1. | 0. | 0. | 0. | 152. | -141. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8471.8 | 8471.7 | -0.05 |
| 42 | 7933. | 0. | -7968. | 0. | 0. | -1. | 28. | -1. | 0. | 0. | 0. | 152. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8507.7 | 8507.7 | -0.04 |
| 43 | 7968. | 0. | -8002. | 1. | 0. | -3. | 28. | -1. | 0. | 0. | 0. | 152. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8543.8 | 8543.8 | -0.04 |
| 44 | 8002. | 0. | -8033. | 3. | 0. | -7. | 28. | -1. | 0. | 0. | 0. | 153. | -142. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8580.1 | 8580.1 | -0.04 |
| 45 | 8033. | 0. | -8060. | 7. | 0. | -16. | 28. | -1. | 0. | 0. | 0. | 154. | -144. | -27. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8617.0 | 8616.9 | -0.04 |
| 46 | 8060. | 0. | -8077. | 16. | 0. | -33. | 28. | -1. | 0. | 0. | 0. | 157. | -147. | -28. | 0. | 0. | -369. | 0. | 0. | 0. | 394. | 0. | 0. | -8654.9 | 8654.8 | -0.05 |
| 47 | 8077. | 0. | -7972. | 33. | 0. | -30. | 42. | -110. | 0. | 0. | 0. | 110. | -105. | -20. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8527.4 | 8527.4 | -0.03 |
| 48 | 7972. | 0. | -7862. | 30. | 0. | -31. | 42. | -109. | 0. | 0. | 0. | 115. | -112. | -21. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8425.1 | 8425.1 | -0.03 |
| 49 | 7862. | 0. | -7751. | 31. | 0. | -32. | 42. | -109. | 0. | 0. | 0. | 121. | -118. | -21. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8321.4 | 8321.4 | -0.04 |
| 50 | 7751. | 0. | -7640. | 32. | 0. | -33. | 42. | -108. | 0. | 0. | 0. | 126. | -124. | -22. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8216.8 | 8216.8 | -0.03 |
| 51 | 7640. | 0. | -7528. | 33. | 0. | -33. | 42. | -107. | 0. | 0. | 0. | 132. | -130. | -23. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8111.6 | 8111.5 | -0.04 |
| 52 | 7528. | 0. | -7417. | 33. | 0. | -33. | 42. | -106. | 0. | 0. | 0. | 137. | -136. | -24. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -8006.0 | 8005.9 | -0.03 |
| 53 | 7417. | 0. | -7305. | 33. | 0. | -34. | 42. | -105. | 0. | 0. | 0. | 143. | -142. | -24. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7900.3 | 7900.3 | -0.03 |
| 54 | 7305. | 0. | -7194. | 34. | 0. | -34. | 42. | -105. | 0. | 0. | 0. | 149. | -147. | -25. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7794.9 | 7794.9 | -0.03 |
| 55 | 7194. | 0. | -7084. | 34. | 0. | -34. | 42. | -104. | 0. | 0. | 0. | 155. | -153. | -26. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7689.9 | 7689.8 | -0.03 |
| 56 | 7084. | 0. | -6975. | 34. | 0. | -34. | 42. | -103. | 0. | 0. | 0. | 160. | -158. | -26. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7585.5 | 7585.4 | -0.03 |
| 57 | 6975. | 0. | -6867. | 34. | 0. | -33. | 42. | -102. | 0. | 0. | 0. | 166. | -163. | -27. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7481.8 | 7481.8 | -0.03 |
| 58 | 6867. | 0. | -6760. | 33. | 0. | -33. | 42. | -101. | 0. | 0. | 0. | 172. | -168. | -27. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7379.0 | 7379.0 | -0.03 |
| 59 | 6760. | 0. | -6654. | 33. | 0. | -33. | 42. | -100. | 0. | 0. | 0. | 177. | -173. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7277.3 | 7277.3 | -0.03 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 6654. | 0. | -6549. | 33. | 0. | -32. | 42. | -100. | 0. | 0. | 0. | 183. | -177. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7176.8 | 7176.8 | -0.03 |
| 61 | 6549. | 0. | -6446. | 32. | 0. | -32. | 42. | -99. | 0. | 0. | 0. | 188. | -182. | -28. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -7077.5 | 7077.4 | -0.03 |
| 62 | 6446. | 0. | -6345. | 32. | 0. | -32. | 42. | -98. | 0. | 0. | 0. | 194. | -186. | -29. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6979.5 | 6979.4 | -0.03 |
| 63 | 6345. | 0. | -6245. | 32. | 0. | -31. | 42. | -97. | 0. | 0. | 0. | 199. | -191. | -29. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6882.9 | 6882.8 | -0.03 |
| 64 | 6245. | 0. | -6147. | 31. | 0. | -30. | 42. | -96. | 0. | 0. | 0. | 205. | -195. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6787.7 | 6787.7 | -0.03 |
| 65 | 6147. | 0. | -6050. | 30. | 0. | -30. | 42. | -96. | 0. | 0. | 0. | 210. | -199. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6694.0 | 6694.0 | -0.02 |
| 66 | 6050. | 0. | -5955. | 30. | 0. | -29. | 42. | -95. | 0. | 0. | 0. | 215. | -203. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6601.8 | 6601.8 | -0.02 |
| 67 | 5955. | 0. | -5862. | 29. | 0. | -29. | 42. | -94. | 0. | 0. | 0. | 220. | -206. | -30. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6511.1 | 6511.1 | -0.02 |
| 68 | 5862. | 0. | -5770. | 29. | 0. | -28. | 42. | -94. | 0. | 0. | 0. | 225. | -210. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6422.0 | 6422.0 | -0.02 |
| 69 | 5770. | 0. | -5680. | 28. | 0. | -27. | 42. | -93. | 0. | 0. | 0. | 229. | -214. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6334.5 | 6334.5 | -0.02 |
| 70 | 5680. | 0. | -5592. | 27. | 0. | -27. | 42. | -92. | 0. | 0. | 0. | 234. | -217. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6248.5 | 6248.5 | -0.02 |
| 71 | 5592. | 0. | -5505. | 27. | 0. | -26. | 42. | -92. | 0. | 0. | 0. | 239. | -220. | -31. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6164.1 | 6164.0 | -0.02 |
| 72 | 5505. | 0. | -5420. | 26. | 0. | -25. | 42. | -91. | 0. | 0. | 0. | 243. | -224. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -6081.1 | 6081.1 | -0.02 |
| 73 | 5420. | 0. | -5337. | 25. | 0. | -24. | 42. | -90. | 0. | 0. | 0. | 247. | -227. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5999.8 | 5999.7 | -0.01 |
| 74 | 5337. | 0. | -5256. | 24. | 0. | -23. | 42. | -90. | 0. | 0. | 0. | 251. | -230. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5919.8 | 5919.8 | -0.01 |
| 75 | 5256. | 0. | -5178. | 23. | 0. | -20. | 42. | -89. | 0. | 0. | 0. | 255. | -232. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5841.2 | 5841.2 | -0.01 |
| 76 | 5178. | 0. | -5103. | 20. | 0. | -15. | 42. | -89. | 0. | 0. | 0. | 259. | -235. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5763.7 | 5763.7 | -0.01 |
| 77 | 5103. | 0. | -5037. | 15. | 0. | -2. | 42. | -88. | 0. | 0. | 0. | 261. | -236. | -32. | 0. | 0. | -290. | 0. | 0. | 0. | 266. | 0. | 0. | -5686.7 | 5686.7 | -0.01 |
| 78 | 5037. | 0. | -5032. | 2. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5059.1 | 5059.1 | 0.00 |
| 79 | 5032. | 0. | -5025. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5051.7 | 5051.7 | 0.00 |
| 80 | 5025. | 0. | -5017. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 7. | 0. | 0. | -5044.6 | 5044.6 | 0.00 |
| 81 | 5017. | 0. | -5011. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5037.8 | 5037.8 | 0.00 |
| 82 | 5011. | 0. | -5004. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5031.3 | 5031.3 | 0.00 |
| 83 | 5004. | 0. | -4998. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5025.2 | 5025.2 | 0.00 |
| 84 | 4998. | 0. | -4992. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 8. | 0. | 0. | -5019.4 | 5019.4 | 0.00 |
| 85 | 4992. | 0. | -4987. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5013.9 | 5013.9 | 0.00 |
| 86 | 4987. | 0. | -4982. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5008.7 | 5008.7 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 4982. | 0. | -4977. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -5003.8 | 5003.8 | 0.00 |
| 88 | 4977. | 0. | -4972. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | -4999.3 | 4999.3 | 0.00 |
| 89 | 4972. | 0. | -4968. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4995.0 | 4995.0 | 0.00 |
| 90 | 4968. | 0. | -4964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4991.1 | 4991.1 | 0.00 |
| 91 | 4964. | 0. | -4960. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 10. | 0. | 0. | -4987.4 | 4987.4 | 0.00 |
| 92 | 4960. | 0. | -4957. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4984.1 | 4984.1 | 0.00 |
| 93 | 4957. | 0. | -4954. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4981.1 | 4981.1 | 0.00 |
| 94 | 4954. | 0. | -4951. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4978.3 | 4978.3 | 0.00 |
| 95 | 4951. | 0. | -4949. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 11. | 0. | 0. | -4975.9 | 4975.9 | 0.00 |
| 96 | 4949. | 0. | -4947. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4973.8 | 4973.8 | 0.00 |
| 97 | 4947. | 0. | -4945. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4971.9 | 4971.9 | 0.00 |
| 98 | 4945. | 0. | -4943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4970.4 | 4970.4 | 0.00 |
| 99 | 4943. | 0. | -4942. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 12. | 0. | 0. | -4969.1 | 4969.1 | 0.00 |
| 100 | 4942. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4968.2 | 4968.2 | 0.00 |
| 101 | 4941. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4967.5 | 4967.5 | 0.00 |
| 102 | 4941. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 13. | 0. | 0. | -4967.1 | 4967.1 | 0.00 |
| 103 | 4940. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -14. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.0 | 4967.0 | 0.00 |
| 104 | 4940. | 0. | -4940. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.2 | 4967.2 | 0.00 |
| 105 | 4940. | 0. | -4941. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4967.7 | 4967.7 | 0.00 |
| 106 | 4941. | 0. | -4942. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 14. | 0. | 0. | -4968.4 | 4968.4 | 0.00 |
| 107 | 4942. | 0. | -4943. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4969.5 | 4969.5 | 0.00 |
| 108 | 4943. | 0. | -4944. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4970.8 | 4970.8 | 0.00 |
| 109 | 4944. | 0. | -4946. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4972.4 | 4972.4 | 0.00 |
| 110 | 4946. | 0. | -4947. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 15. | 0. | 0. | -4974.3 | 4974.3 | 0.00 |
| 111 | 4947. | 0. | -4950. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4976.4 | 4976.4 | 0.00 |
| 112 | 4950. | 0. | -4952. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4978.8 | 4978.8 | 0.00 |
| 113 | 4952. | 0. | -4955. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 16. | 0. | 0. | -4981.5 | 4981.5 | 0.00 |
| 114 | 4955. | 0. | -4958. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4984.5 | 4984.5 | 0.00 |
| 115 | 4958. | 0. | -4961. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4987.7 | 4987.7 | 0.00 |
| 116 | 4961. | 0. | -4964. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -13. | -1. | 0. | 0. | -13. | 0. | 0. | 0. | 17. | 0. | 0. | -4991.2 | 4991.2 | 0.00 |
| 117 | 4964. | 0. | -4969. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4979.0 | 4979.0 | 0.00 |
| 118 | 4969. | 0. | -4974. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4983.8 | 4983.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH DECA | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 4974. | 0. | -4979. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4988.6 | 4988.6 | 0.00 |
| 120 | 4979. | 0. | -4984. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4993.5 | 4993.5 | 0.00 |
| 121 | 4984. | 0. | -4989. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -4998.3 | 4998.3 | 0.00 |
| 122 | 4989. | 0. | -4993. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5003.1 | 5003.1 | 0.00 |
| 123 | 4993. | 0. | -4998. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5007.9 | 5007.9 | 0.00 |
| 124 | 4998. | 0. | -5003. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5012.6 | 5012.6 | 0.00 |
| 125 | 5003. | 0. | -5008. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5017.4 | 5017.4 | 0.00 |
| 126 | 5008. | 0. | -5012. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5022.1 | 5022.1 | 0.00 |
| 127 | 5012. | 0. | -5017. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5026.9 | 5026.9 | 0.00 |
| 128 | 5017. | 0. | -5022. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5031.6 | 5031.6 | 0.00 |
| 129 | 5022. | 0. | -5027. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5036.3 | 5036.3 | 0.00 |
| 130 | 5027. | 0. | -5031. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5041.0 | 5041.0 | 0.00 |
| 131 | 5031. | 0. | -5036. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5045.7 | 5045.7 | 0.00 |
| 132 | 5036. | 0. | -5041. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5050.4 | 5050.4 | 0.00 |
| 133 | 5041. | 0. | -5045. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5055.1 | 5055.1 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | 5045. | 0. | -5050. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5059.7 | 5059.7 | 0.00 |
| 135 | 5050. | 0. | -5055. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5064.4 | 5064.4 | 0.00 |
| 136 | 5055. | 0. | -5059. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5069.0 | 5069.0 | 0.00 |
| 137 | 5059. | 0. | -5064. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5073.6 | 5073.6 | 0.00 |
| 138 | 5064. | 0. | -5069. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5078.3 | 5078.3 | 0.00 |
| 139 | 5069. | 0. | -5073. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5082.9 | 5082.9 | 0.00 |
| 140 | 5073. | 0. | -5078. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5087.5 | 5087.5 | 0.00 |
| 141 | 5078. | 0. | -5082. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5092.0 | 5092.0 | 0.00 |
| 142 | 5082. | 0. | -5087. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -5. | 0. | 0. | 0. | -4. | 0. | 0. | 0. | 7. | 0. | 0. | -5097.0 | 5097.0 | 0.00 |
| 172 | 5087. | 289. | -5403. | 0. | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5447.7 | 5447.7 | 0.00 |
| 173 | 5403. | 0. | -5407. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5450.3 | 5450.3 | 0.00 |
| 174 | 5407. | 0. | -5410. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5453.5 | 5453.5 | 0.00 |
| 175 | 5410. | 0. | -5413. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -24. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5456.7 | 5456.7 | 0.00 |
| 176 | 5413. | 0. | -5417. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5460.0 | 5460.0 | 0.00 |
| 177 | 5417. | 0. | -5420. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5463.4 | 5463.4 | 0.00 |
| 178 | 5420. | 0. | -5424. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5466.8 | 5466.8 | 0.00 |
| 179 | 5424. | 0. | -5427. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5470.3 | 5470.3 | 0.00 |
| 180 | 5427. | 0. | -5431. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5473.8 | 5473.8 | 0.00 |
| 181 | 5431. | 0. | -5434. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5477.4 | 5477.4 | 0.00 |
| 182 | 5434. | 0. | -5438. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5481.1 | 5481.1 | 0.00 |
| 183 | 5438. | 0. | -5442. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5484.8 | 5484.8 | 0.00 |
| 184 | 5442. | 0. | -5446. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5488.6 | 5488.6 | 0.00 |
| 185 | 5446. | 0. | -5450. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5492.4 | 5492.4 | 0.00 |
| 186 | 5450. | 0. | -5454. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5496.3 | 5496.3 | 0.00 |
| 187 | 5454. | 0. | -5458. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -23. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5500.3 | 5500.3 | 0.00 |
| 188 | 5458. | 0. | -5462. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5504.3 | 5504.3 | 0.00 |
| 189 | 5462. | 0. | -5466. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5508.3 | 5508.3 | 0.00 |
| 190 | 5466. | 0. | -5470. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5512.4 | 5512.4 | 0.00 |
| 191 | 5470. | 0. | -5474. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5516.6 | 5516.6 | 0.00 |
| 192 | 5474. | 0. | -5479. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5520.8 | 5520.8 | 0.00 |
| 193 | 5479. | 0. | -5483. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5525.1 | 5525.1 | 0.00 |
| 194 | 5483. | 0. | -5487. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5529.4 | 5529.4 | 0.00 |
| 195 | 5487. | 0. | -5492. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5533.8 | 5533.8 | 0.00 |
| 196 | 5492. | 0. | -5496. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5538.2 | 5538.2 | 0.00 |
| 197 | 5496. | 0. | -5501. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5542.6 | 5542.6 | 0.00 |
| 198 | 5501. | 0. | -5506. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5547.2 | 5547.2 | 0.00 |
| 199 | 5506. | 0. | -5510. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5551.7 | 5551.7 | 0.00 |
| 200 | 5510. | 0. | -5515. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -22. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5556.3 | 5556.3 | 0.00 |
| 201 | 5515. | 0. | -5520. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5561.0 | 5561.0 | 0.00 |
| 202 | 5520. | 0. | -5524. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5565.7 | 5565.7 | 0.00 |
| 203 | 5524. | 0. | -5529. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5570.4 | 5570.4 | 0.00 |
| 204 | 5529. | 0. | -5534. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5575.2 | 5575.2 | 0.00 |
| 205 | 5534. | 0. | -5539. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5580.1 | 5580.1 | 0.00 |
| 206 | 5539. | 0. | -5544. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5584.9 | 5584.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Lake de Cade

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE IN | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 | 5544. | 0. | -5549. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5589.9 | 5589.9 | 0.00 | |
| 208 | 5549. | 0. | -5554. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5594.8 | 5594.8 | 0.00 | |
| 209 | 5554. | 0. | -5559. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5599.8 | 5599.8 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | 5559. | 0. | -5564. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5604.9 | 5604.9 | 0.00 |
| 211 | 5564. | 0. | -5569. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5610.0 | 5610.0 | 0.00 |
| 212 | 5569. | 0. | -5575. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5615.1 | 5615.1 | 0.00 |
| 213 | 5575. | 0. | -5580. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -21. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5620.3 | 5620.3 | 0.00 |
| 214 | 5580. | 0. | -5585. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5625.5 | 5625.5 | 0.00 |
| 215 | 5585. | 0. | -5590. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -20. | -1. | 0. | 0. | -19. | 0. | 0. | 0. | 31. | 0. | 0. | -5630.7 | 5630.7 | 0.00 |
| 216 | 5590. | 0. | -5592. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5687.5 | 5687.5 | 0.00 |
| 217 | 5592. | 0. | -5593. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5688.7 | 5688.7 | 0.00 |
| 218 | 5593. | 0. | -5595. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -48. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5690.3 | 5690.3 | 0.00 |
| 219 | 5595. | 0. | -5598. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -47. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5692.4 | 5692.4 | 0.00 |
| 220 | 5598. | 0. | -5601. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -47. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5694.8 | 5694.8 | 0.00 |
| 221 | 5601. | 0. | -5604. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5697.6 | 5697.6 | 0.00 |
| 222 | 5604. | 0. | -5607. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5700.8 | 5700.8 | 0.00 |
| 223 | 5607. | 0. | -5611. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -46. | -3. | 0. | 0. | -44. | 0. | 0. | 0. | 75. | 0. | 0. | -5704.3 | 5704.3 | 0.00 |
| 224 | 5611. | 0. | -5620. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 22. | 0. | 0. | -5645.0 | 5645.0 | 0.00 |
| 225 | 5620. | 0. | -5630. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 24. | 0. | 0. | -5654.8 | 5654.8 | 0.00 |
| 226 | 5630. | 0. | -5641. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 26. | 0. | 0. | -5666.5 | 5666.5 | 0.00 |
| 227 | 5641. | 0. | -5655. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 28. | 0. | 0. | -5679.8 | 5679.8 | 0.00 |
| 228 | 5655. | 0. | -5670. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 29. | 0. | 0. | -5694.9 | 5694.9 | 0.00 |
| 229 | 5670. | 0. | -5686. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 31. | 0. | 0. | -5711.7 | 5711.7 | 0.00 |
| 230 | 5686. | 0. | -5705. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 33. | 0. | 0. | -5730.1 | 5730.1 | 0.00 |
| 231 | 5705. | 0. | -5725. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 35. | 0. | 0. | -5750.3 | 5750.3 | 0.00 |
| 232 | 5725. | 0. | -5747. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -12. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 36. | 0. | 0. | -5772.1 | 5772.1 | 0.00 |
| 244 | 5747. | 65. | -5837. | 0. | 13. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -8. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 20. | 0. | 0. | -5854.1 | 5854.1 | 0.00 |
| 245 | 5837. | 0. | -5844. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -5861.6 | 5861.6 | 0.00 |
| 246 | 5844. | 0. | -5847. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 13. | 0. | 0. | -5864.8 | 5864.8 | 0.00 |
| 247 | 5847. | 0. | -5846. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 8. | 0. | 0. | -5863.7 | 5863.7 | 0.00 |
| 248 | 5846. | 0. | -5840. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -9. | 0. | 0. | 0. | 4. | 0. | 0. | -5858.1 | 5858.1 | 0.00 |
| 249 | 5840. | 0. | -5832. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 8. | -9. | -1. | 0. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 0. | -5850.4 | 5850.4 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Lake Theriot

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WSLD OUT | WITH DECA | REAE DECA | BOD1 DECA | NH3-N BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 143 | 2. | 0. | -13. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1077.5 | 1077.5 | -0.03 |
| 144 | 13. | 0. | -25. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1089.1 | 1089.1 | -0.03 |
| 145 | 25. | 0. | -36. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1100.6 | 1100.6 | -0.03 |
| 146 | 36. | 0. | -48. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1112.1 | 1112.1 | -0.03 |
| 147 | 48. | 0. | -59. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1123.7 | 1123.6 | -0.03 |
| 148 | 59. | 0. | -71. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1135.2 | 1135.1 | -0.03 |
| 149 | 71. | 0. | -82. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1146.7 | 1146.6 | -0.03 |
| 150 | 82. | 0. | -94. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1158.2 | 1158.1 | -0.03 |
| 151 | 94. | 0. | -105. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1169.7 | 1169.6 | -0.03 |
| 152 | 105. | 0. | -117. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1181.2 | 1181.1 | -0.03 |
| 153 | 117. | 0. | -128. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1192.7 | 1192.7 | -0.03 |
| 154 | 128. | 0. | -140. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1204.2 | 1204.2 | -0.03 |
| 155 | 140. | 0. | -151. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1215.7 | 1215.7 | -0.03 |
| 156 | 151. | 0. | -163. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1227.2 | 1227.2 | -0.03 |
| 157 | 163. | 0. | -174. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1238.7 | 1238.7 | -0.03 |
| 158 | 174. | 0. | -186. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1250.2 | 1250.2 | -0.03 |
| 159 | 186. | 0. | -197. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1261.7 | 1261.7 | -0.03 |
| 160 | 197. | 0. | -209. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1273.2 | 1273.2 | -0.03 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 209. | 0. | -220. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1284.7 | 1284.7 | -0.03 |
| 162 | 220. | 0. | -232. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1296.2 | 1296.2 | -0.03 |
| 163 | 232. | 0. | -243. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1307.7 | 1307.7 | -0.03 |
| 164 | 243. | 0. | -255. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1319.2 | 1319.2 | -0.03 |
| 165 | 255. | 0. | -266. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -71. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1330.7 | 1330.7 | -0.03 |
| 166 | 266. | 0. | -278. | 0. | 0. | 0. | 9. | 0. | 0. | 0. | 0. | 210. | -72. | -16. | 0. | 0. | -977. | 0. | 0. | 0. | 857. | 0. | 0. | -1342.6 | 1342.6 | -0.03 |
| 167 | 278. | 0. | -286. | 0. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 1. | -3. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -298.4 | 298.4 | 0.00 |
| 168 | 286. | 0. | -294. | -1. | 0. | 1. | 2. | 0. | 0. | 0. | 0. | 1. | -3. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -306.2 | 306.2 | 0.00 |
| 169 | 294. | 0. | -300. | -1. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | 0. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -313.0 | 313.0 | 0.00 |
| 170 | 300. | 0. | -304. | 0. | 0. | -3. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -319.3 | 319.3 | 0.00 |
| 171 | 304. | 0. | -289. | 3. | 0. | -24. | 2. | 0. | 0. | 0. | 0. | 1. | -4. | -1. | 0. | 0. | -8. | 0. | 0. | 0. | 17. | 0. | 0. | -326.4 | 326.4 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 3: Lake Hache

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 0. | 0. | -8. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -31. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -573.8 | 573.8 | -0.01 |
| 234 | 8. | 0. | -15. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -581.2 | 581.2 | -0.01 |
| 235 | 15. | 0. | -22. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -588.7 | 588.6 | -0.01 |
| 236 | 22. | 0. | -30. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -596.1 | 596.1 | -0.01 |
| 237 | 30. | 0. | -37. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -603.5 | 603.5 | -0.01 |
| 238 | 37. | 0. | -45. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -610.9 | 610.9 | -0.01 |
| 239 | 45. | 0. | -52. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -618.3 | 618.3 | -0.01 |
| 240 | 52. | 0. | -60. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -625.7 | 625.7 | -0.01 |
| 241 | 60. | 0. | -67. | 0. | 0. | 0. | 4. | 0. | 0. | 0. | 0. | -140. | -30. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -633.1 | 633.1 | -0.01 |
| 242 | 67. | 0. | -74. | 0. | 0. | -7. | 4. | 0. | 0. | 0. | 0. | -137. | -26. | -6. | 0. | 0. | -390. | 0. | 0. | 0. | 569. | 0. | 0. | -640.5 | 640.5 | -0.02 |
| 243 | 74. | 0. | -65. | 7. | 0. | -13. | 6. | 0. | 0. | 0. | 0. | 3. | -51. | -2. | 0. | 0. | -20. | 0. | 0. | 0. | 61. | 0. | 0. | -150.8 | 150.8 | 0.00 |

Lake de Cade Lake Theriot Lake Hache (subseg 120405 and 120406)

TMDL Simulation for Lake de Cade Theriot and Hache model

INPUT/OUTPUT LOADING SUMMARY

| | FLOW | DO | BOD#1 | BOD#2 | ORG-N | NH3-N | NO3-N | PHOS | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| | $m^3/s$ | kg/d | kg/d | kg/d | kg/d | kg/d | kg/d | kg/d | | |
| HEADWATER FLOW | 11.463 | 6437.5 | 2695.4 | 0.0 | 792.4 | 99.0 | 39.6 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL INFLOW | 6.673 | 2882.7 | 21794.2 | 0.0 | 1185.9 | 576.5 | 23.1 | 0.0 | 0.0 | 0.0 |
| INCREMENTAL OUTFLOW | -6.200 | -3107.3 | -2788.5 | 0.0 | -597.3 | -47.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| WASTELOADS | 0.000 | 0.0 | 1.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WITHDRAWLS | 0.000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FLOW THRU LOWER BNDRY | -11.935 | -5832.3 | -5342.7 | 0.0 | -1251.8 | -93.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU LOWER BNDRY | | 2.4 | -2.6 | 0.0 | -6.5 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 |
| DISPERSION THRU HDWTR BNDRY | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NON-POINT INPUT | | 0.0 | 0.0 | 0.0 | 0.0 | | | | | 0.0 |
| NATURAL REAERATION | | 18376.7 | | | | | | | | |
| DAM REAERATION | | 0.0 | | | | | | | | |
| BACKGROUND SOD | | -55273.7 | | | | | | | | |
| BOD#1 DECAY | | -16356.8 | -16356.8 | | | | | | | |
| BOD#1 SETTLING | | 0.0 | 0.0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0.0 | | | | | | | |
| BOD#2 DECAY | | 0.0 | | 0.0 | | | | | | |
| BOD#2 SETTLING | | 0.0 | | 0.0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0.0 | | | | | | |
| ORG-N DECAY | | 0.0 | | | -122.7 | 122.7 | | | | |
| ORG-N SETTLING | | | | | 0.0 | 0.0 | | | | |
| NH3 DECAY | | -2853.5 | | | | -659.0 | 659.0 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0.0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0.0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0.0 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ALGAE PHOTOSYNTHESIS | | 55720.3 | | | | 0.0 | -2786.0 | 0.0 | 0.0 | |
| ALGAE RESPIRATION | | 0.0 | | | | 0.0 | | 0.0 | 0.0 | |
| ALGAE SETTLING | | 0.0 | | | | | | | 0.0 | |
| MACRO PHOTOSYNTHESIS | | 0.0 | | | | 0.0 | 0.0 | 0.0 | | |
| NCM DECAY | | 0.0 | | | | | | | | 0.0 |
| NCM SETTLING | | 0.0 | | | | | | | | 0.0 |
| TOTAL INPUTS | 18.135 | 83419.6 | 24490.6 | 0.0 | 1978.3 | 798.4 | 721.9 | 0.0 | 0.0 | 0.0 |
| TOTAL OUTPUTS | -18.135 | -83423.6 | -24490.5 | 0.0 | -1978.3 | -799.3 | -2786.0 | 0.0 | 0.0 | 0.0 |
| NET CONVERGENCE ERROR | 0.000 | -4.0 | 0.0 | 0.0 | 0.0 | -0.9 | -2064.1 | 0.0 | 0.0 | 0.0 |

.....EXECUTION COMPLETED

# APPENDIX H:
# PLOTS OF WATER QUALITY FOR BASELINE CONDITIONS


Figure H-1. Ammonia baseline results for subsegment 120401. ..... 1
Figure H-2. $BOD_u$ baseline results for subsegment 120401. ..... 1
Figure H-3. DO baseline results for subsegment 120401. ..... 2
Figure H-4. Ammonia baseline results for subsegment 120404. ..... 2
Figure H-5. $BOD_u$ baseline results for subsegment 120404. ..... 3
Figure H-6. DO baseline results for subsegment 120404. ..... 3
Figure H-7. Ammonia baseline results for Lake Hatch in subsegment 120405. ..... 4
Figure H-8. $BOD_u$ baseline results for Lake Hatch in subsegment 120405. ..... 4
Figure H-9. DO baseline results for Lake Hatch in subsegment 120405. ..... 5
Figure H-10. Ammonia baseline results for Lake Theriot in subsegment 120405. ..... 5
Figure H-11. $BOD_u$ baseline results for Lake Theriot in subsegment 120405. ..... 6
Figure H-12. DO baseline results for Lake Theriot in subsegment 120405. ..... 6
Figure H-13. Ammonia baseline results for Lake de Cade in subsegment 120406. ..... 7
Figure H-14. $BOD_u$ baseline results for Lake de Cade in subsegment 120406. ..... 7
Figure H-15. DO baseline results for Lake de Cade in subsegment 120406. ..... 8

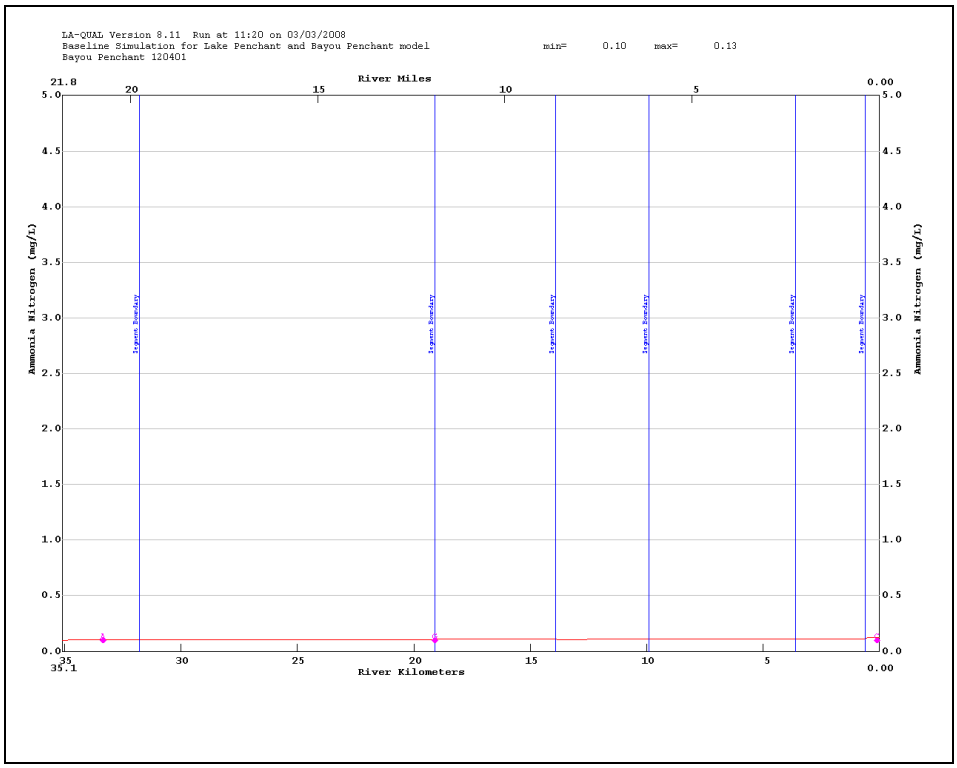


**Figure H-1. Ammonia baseline results for subsegment 120401.**

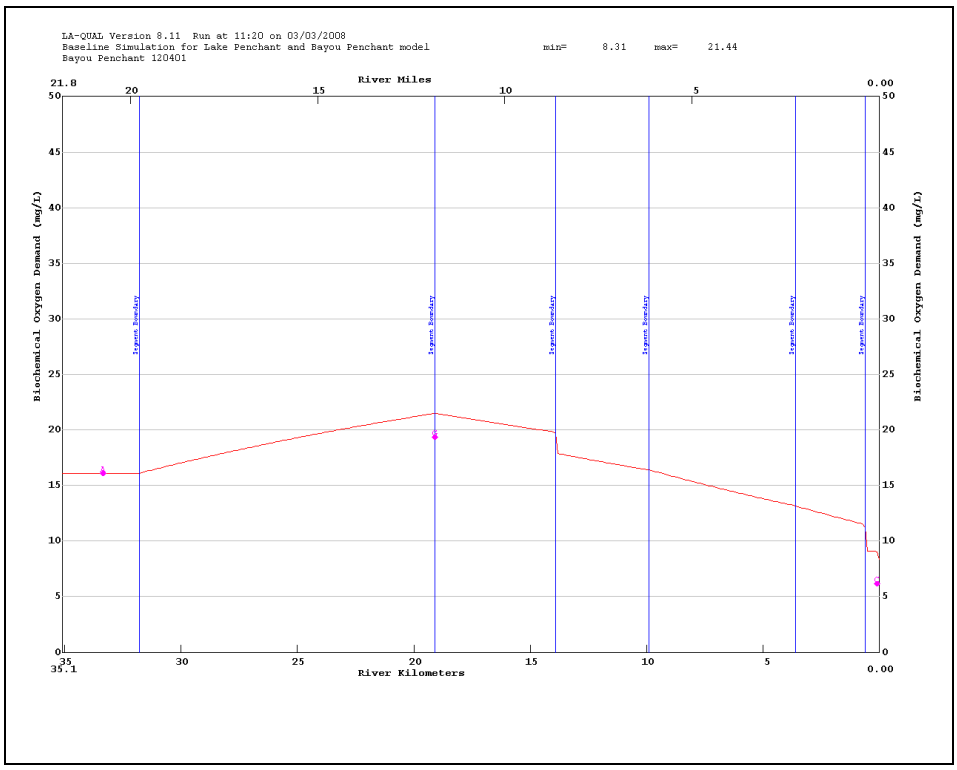


**Figure H-2. $BOD_u$ baseline results for subsegment 120401.**

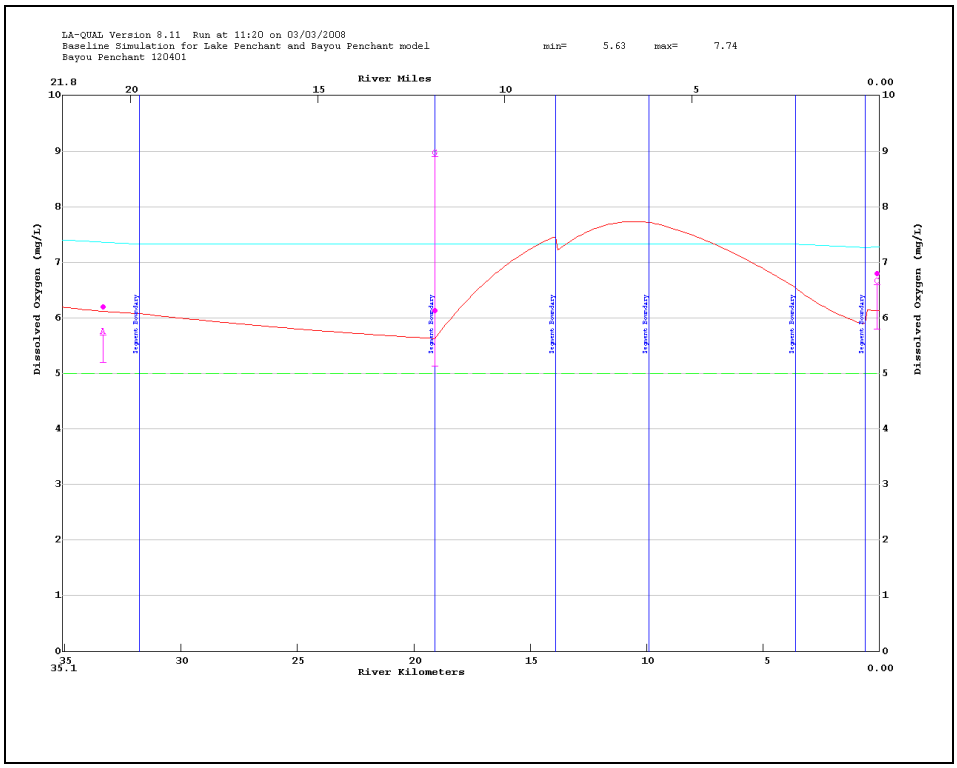


**Figure H-3. DO baseline results for subsegment 120401.**

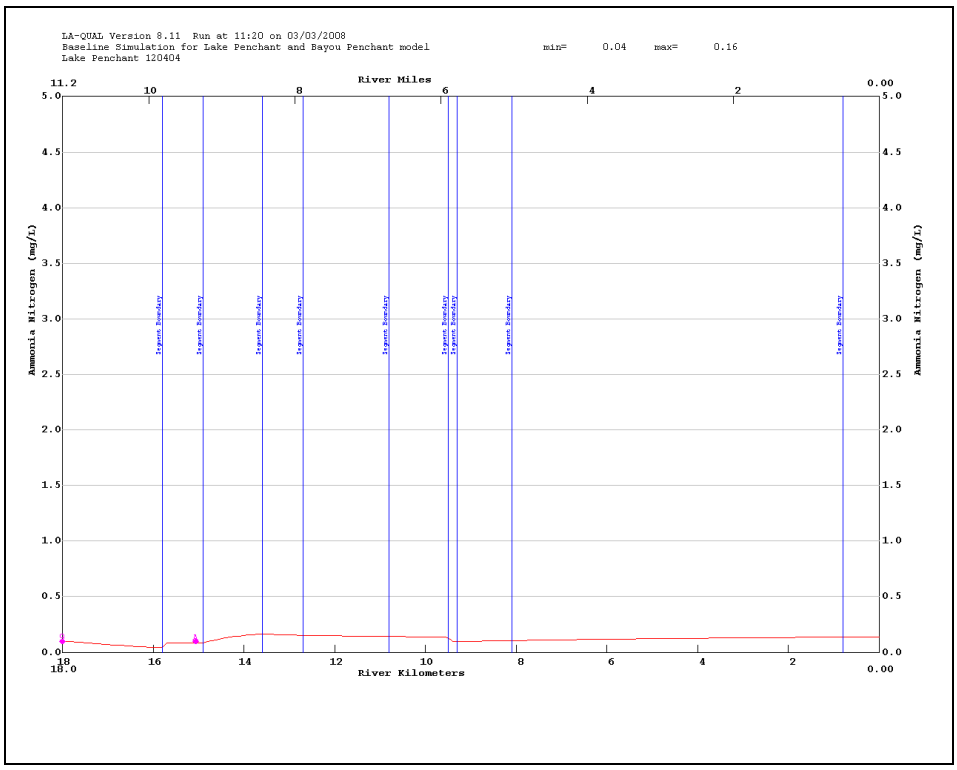


**Figure H-4. Ammonia baseline results for subsegment 120404.**

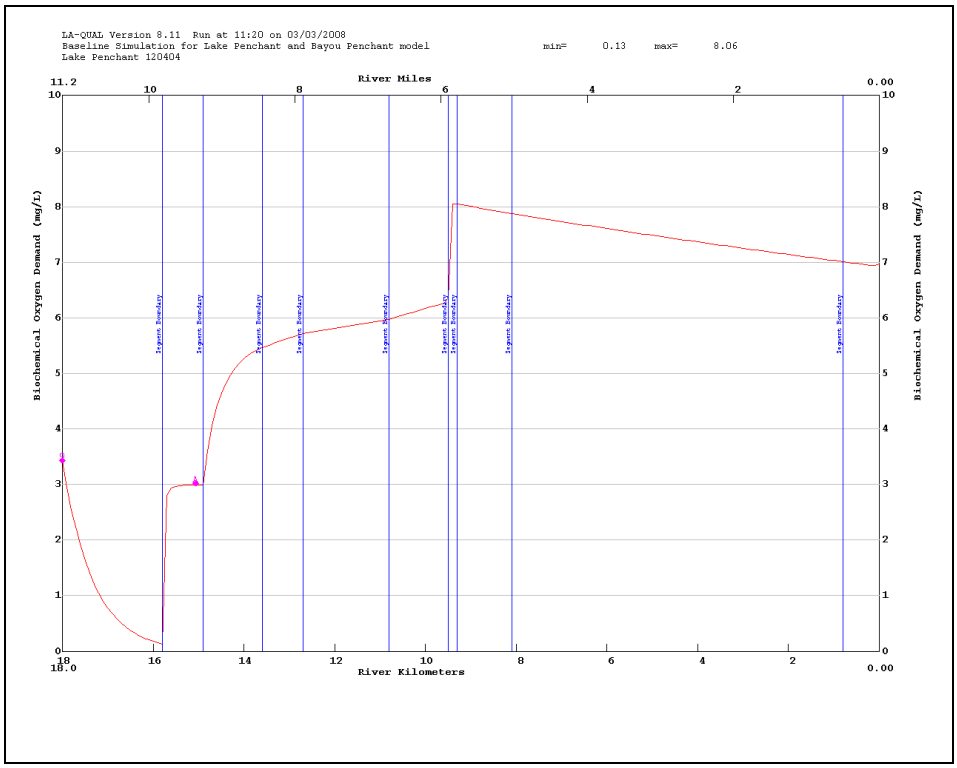


**Figure H-5. $BOD_u$ baseline results for subsegment 120404.**

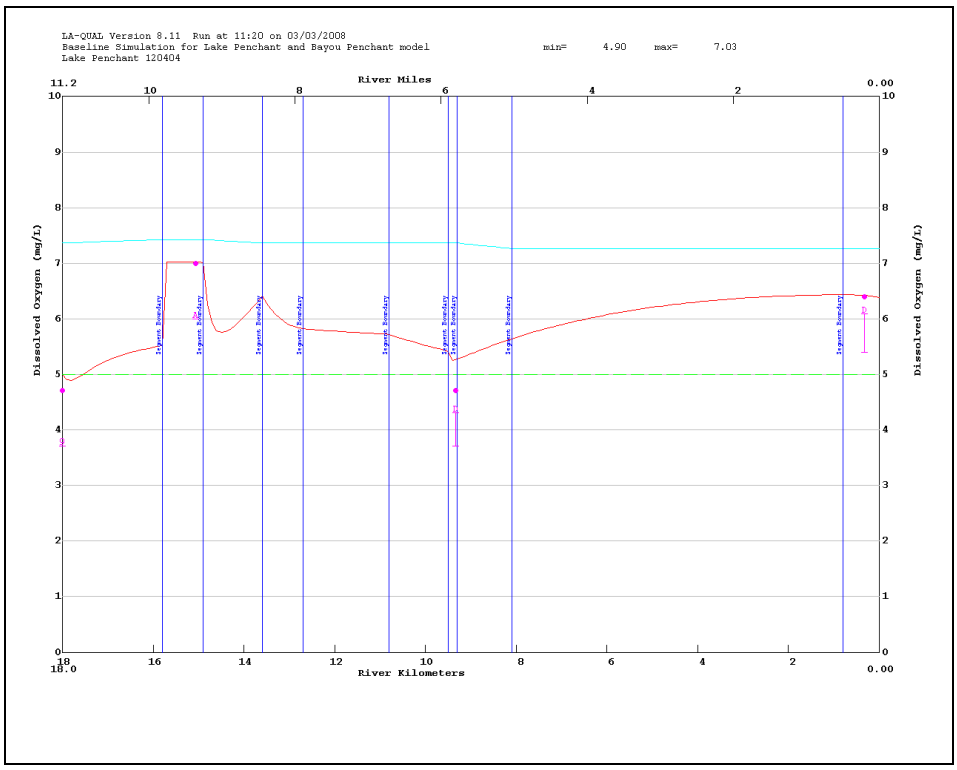


**Figure H-6. DO baseline results for subsegment 120404.**

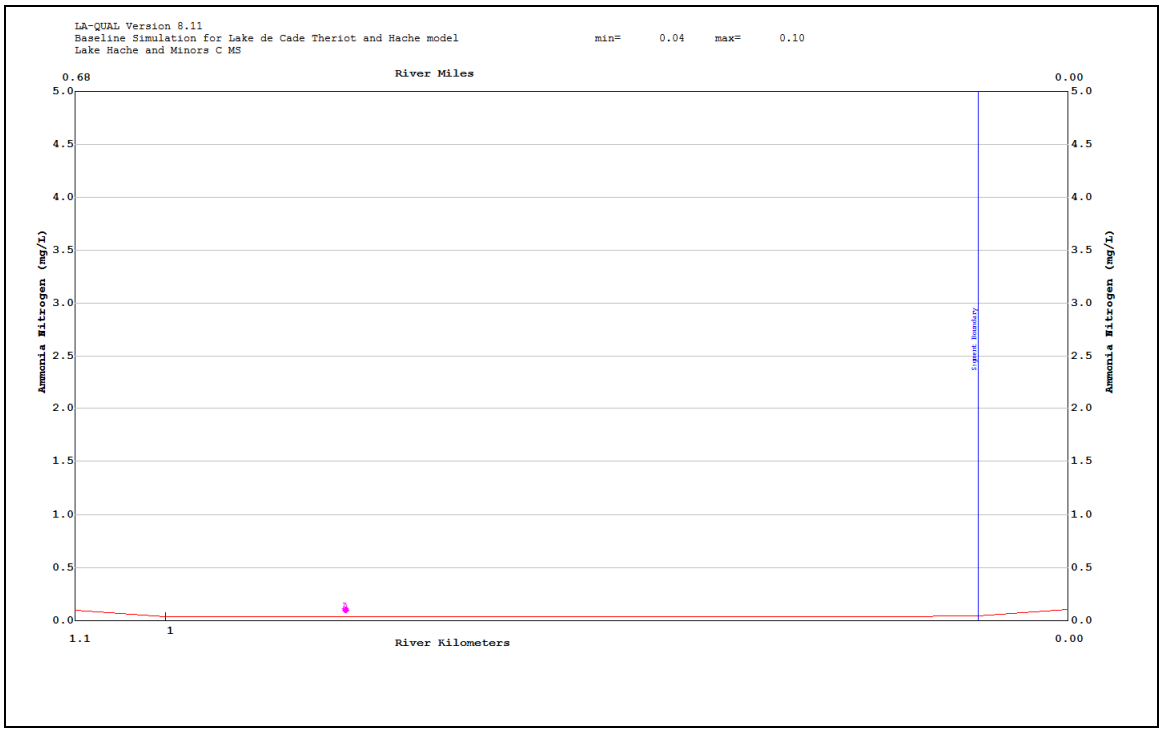


**Figure H-7. Ammonia baseline results for Lake Hatch in subsegment 120405.**

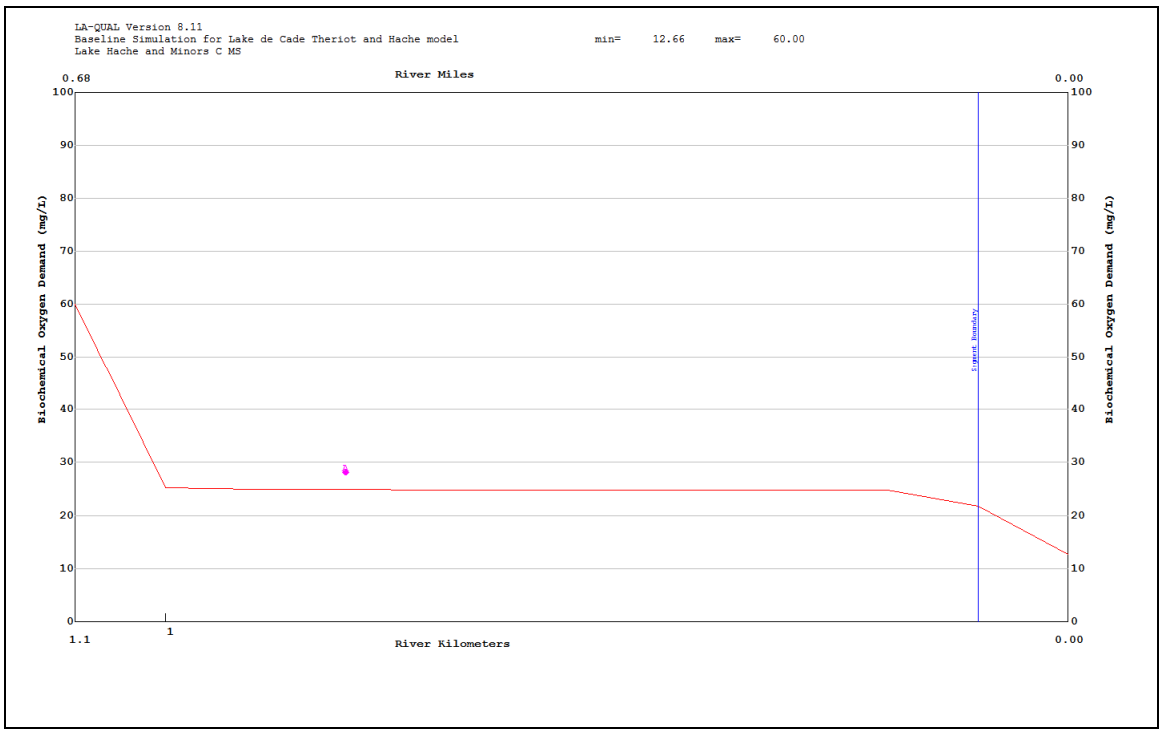


**Figure H-8. $BOD_u$ baseline results for Lake Hatch in subsegment 120405.**

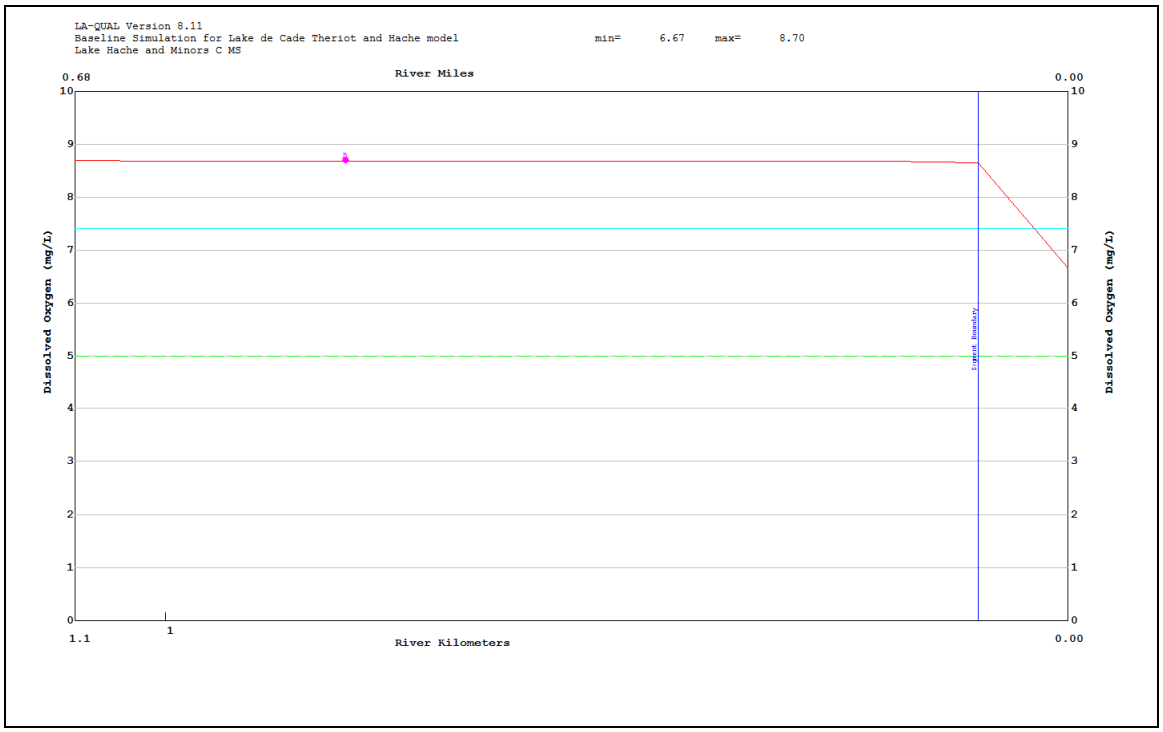


**Figure H-9. DO baseline results for Lake Hatch in subsegment 120405.**

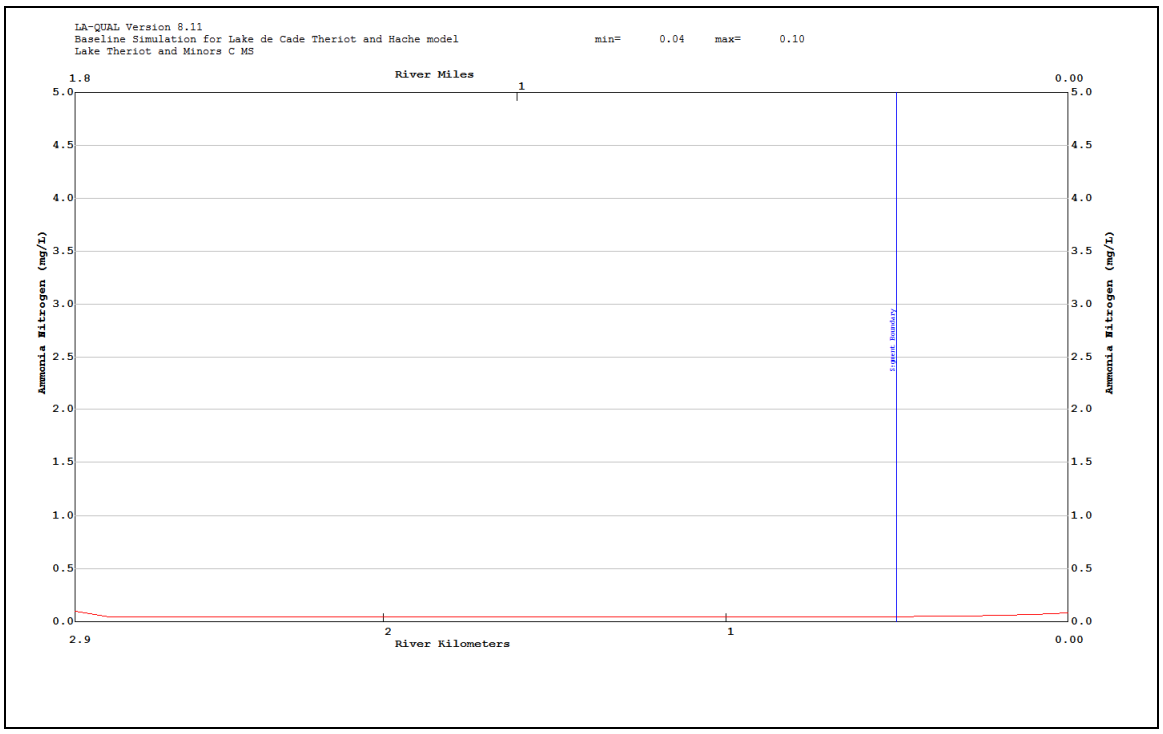


**Figure H-10. Ammonia baseline results for Lake Theriot in subsegment 120405.**

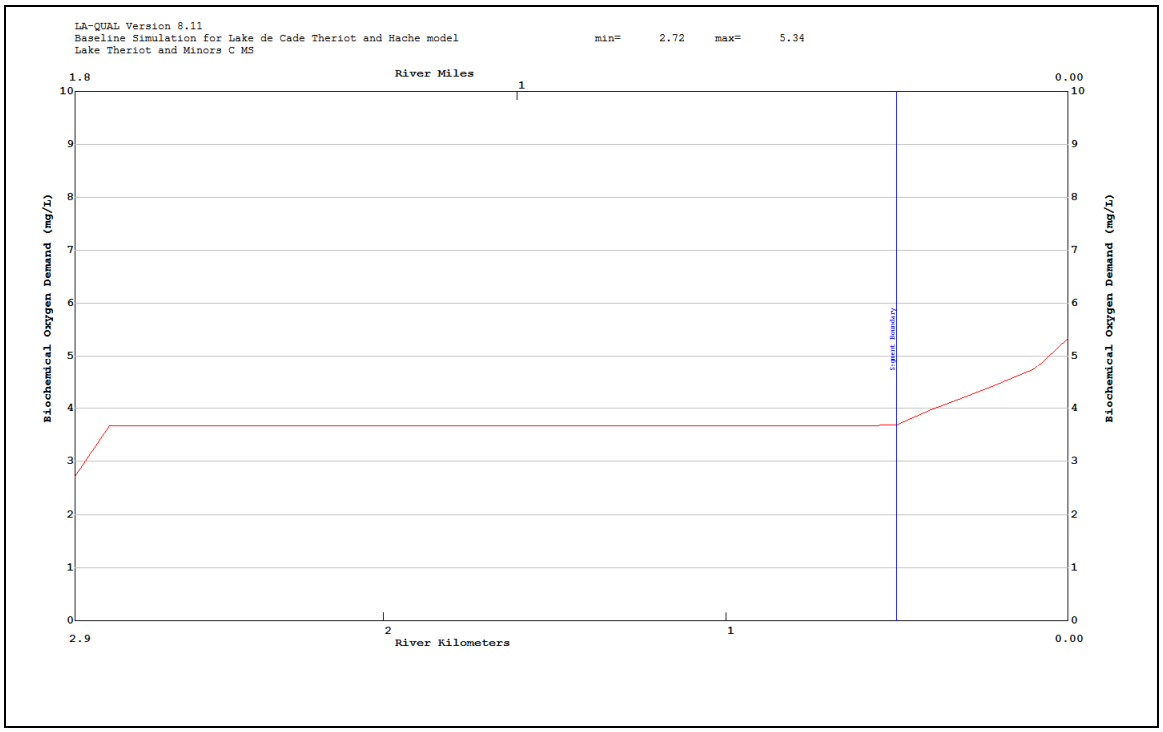


**Figure H-11. $BOD_u$ baseline results for Lake Theriot in subsegment 120405.**

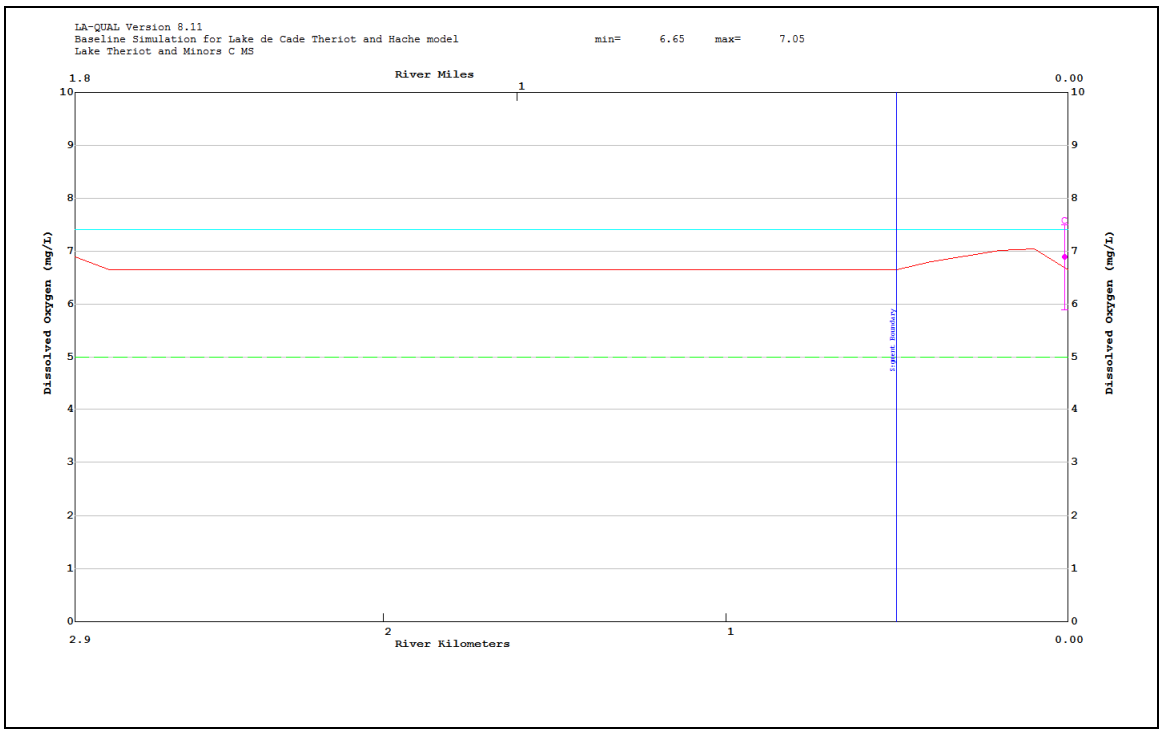


**Figure H-12. DO baseline results for Lake Theriot in subsegment 120405.**

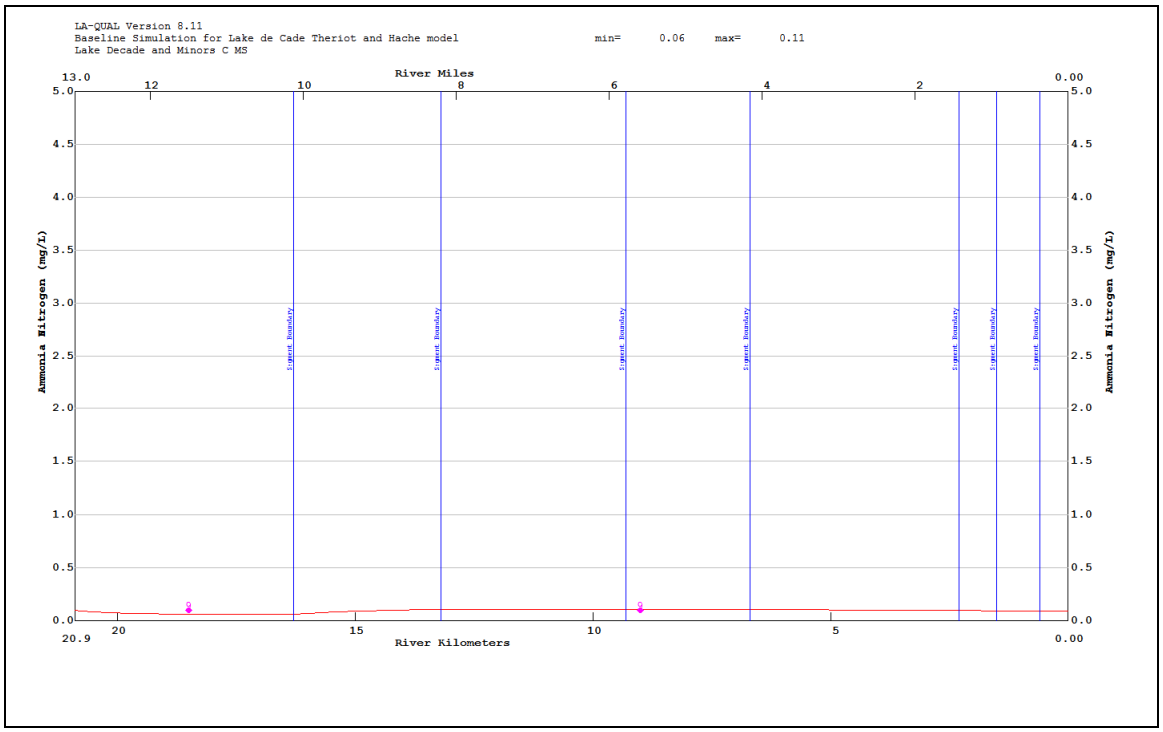


**Figure H-13. Ammonia baseline results for Lake de Cade in subsegment 120406.**

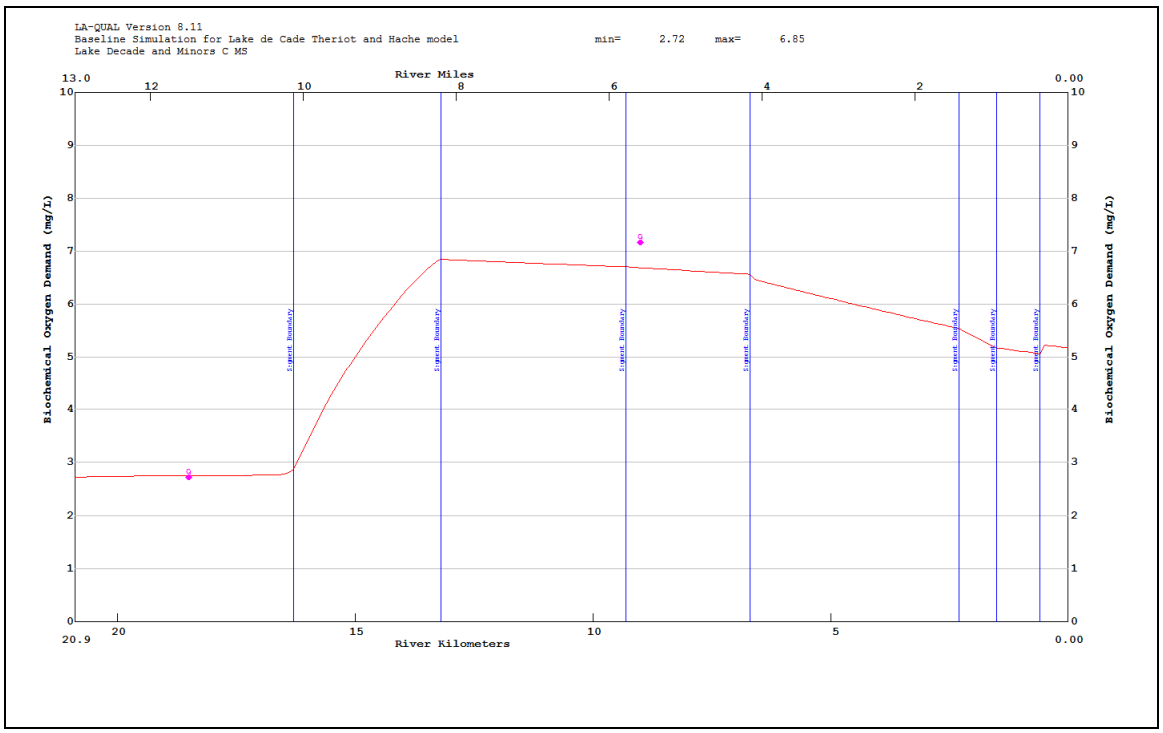


**Figure H-14. $BOD_u$ baseline results for Lake de Cade in subsegment 120406.**

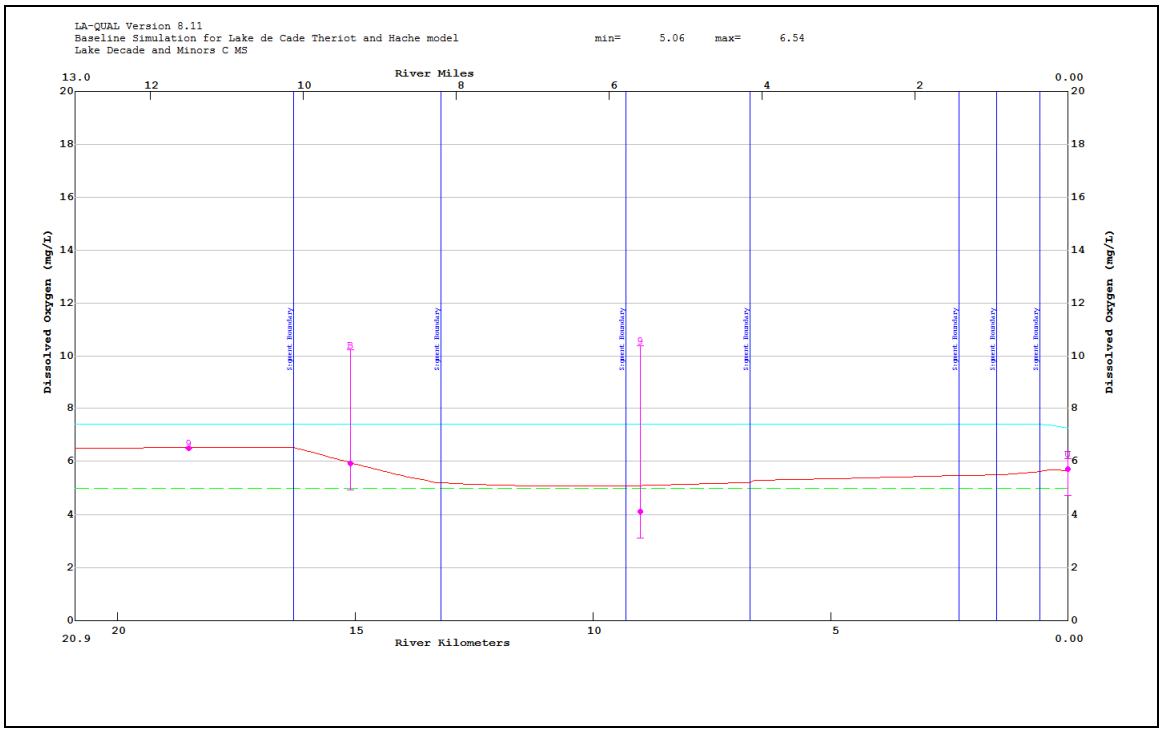


**Figure H-15. DO baseline results for Lake de Cade in subsegment 120406.**

# APPENDIX I:
# PLOTS OF PREDICTED WATER QUALITY FOR TMDL


Figure I-1. Temperature TMDL results for subsegment 120401. 1
Figure I-2. Ammonia TMDL results for subsegment 120401. 1
Figure I-3. $BOD_u$ TMDL results for subsegment 120401. 2
Figure I-4. DO TMDL results for subsegment 120401. 2
Figure I-5. Temperature TMDL results for subsegment 120404. 3
Figure I-6. Ammonia TMDL results for subsegment 120404. 3
Figure I-7. $BOD_u$ TMDL results for subsegment 120404. 4
Figure I-8. DO TMDL results for subsegment 120404. 4
Figure I-9. Temperature TMDL results for Lake Hatch in subsegment 120405. 5
Figure I-10. Ammonia TMDL results for Lake Hatch in subsegment 120405. 5
Figure I-11. $BOD_u$ TMDL results for Lake Hatch in subsegment 120405. 6
Figure I-12. DO TMDL results for Lake Hatch in subsegment 120405. 6
Figure I-13. Temperature TMDL results for Lake Theriot in subsegment 120405. 7
Figure I-14. Ammonia TMDL results for Lake Theriot in subsegment 120405. 7
Figure I-15. $BOD_u$ TMDL results for Lake Theriot in subsegment 120405. 8
Figure I-16. DO TMDL results for Lake Theriot in subsegment 120405. 8
Figure I-17. Temperature TMDL results for Lake de Cade in subsegment 120406. 9
Figure I-18. Ammonia TMDL results for Lake de Cade in subsegment 120406. 9
Figure I-19. $BOD_u$ TMDL results for Lake de Cade in subsegment 120406. 10
Figure I-20. DO TMDL results for Lake de Cade in subsegment 120406. 10

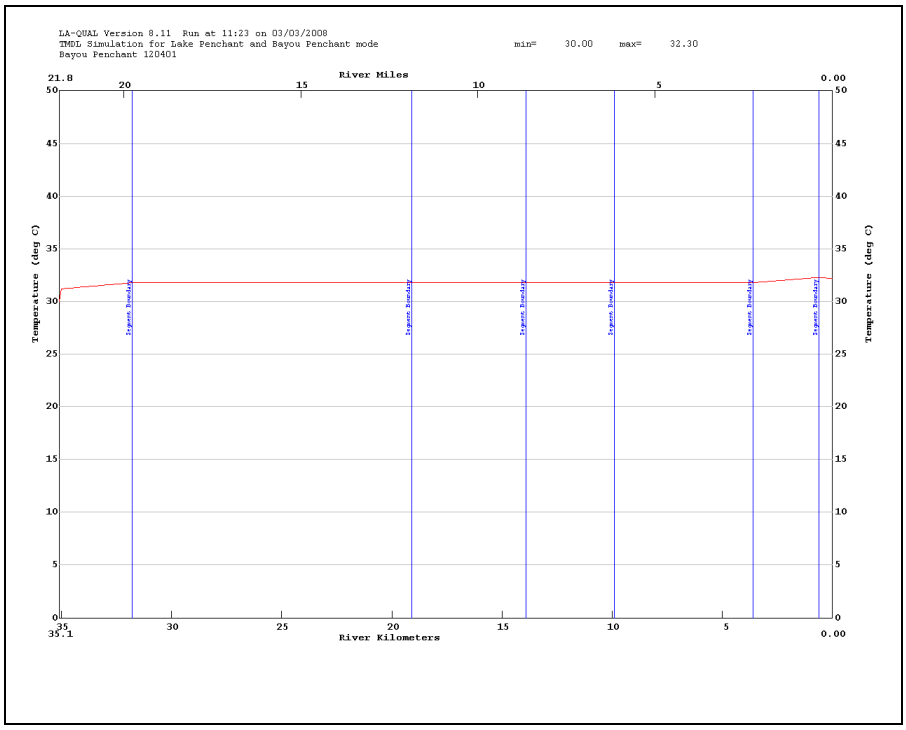


**Figure I-1. Temperature TMDL results for subsegment 120401.**

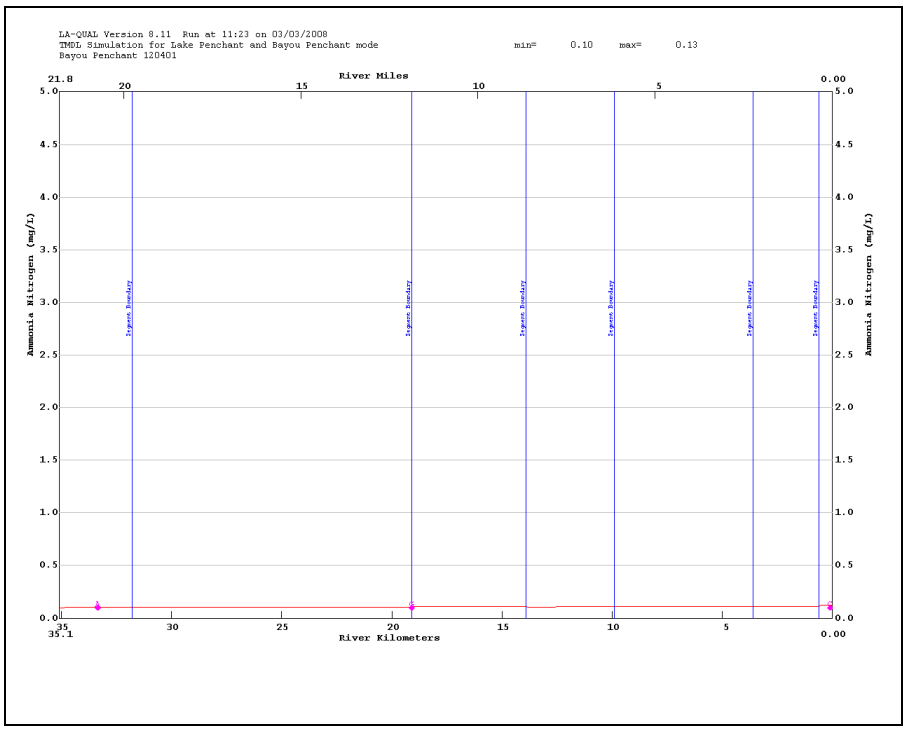


**Figure I-2. Ammonia TMDL results for subsegment 120401.**

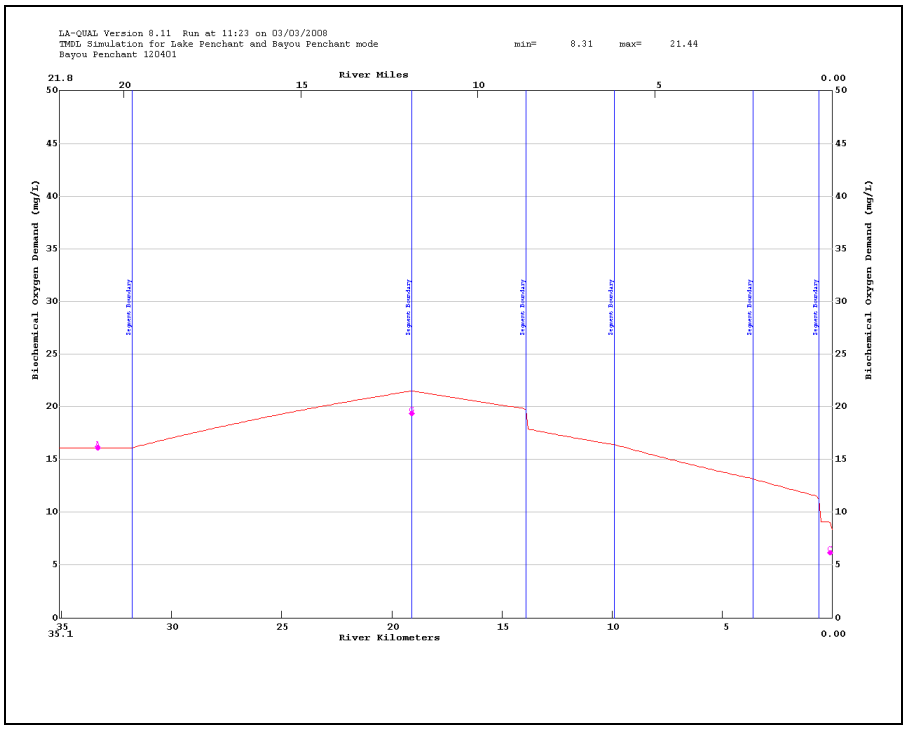


**Figure I-3. $BOD_u$ TMDL results for subsegment 120401.**

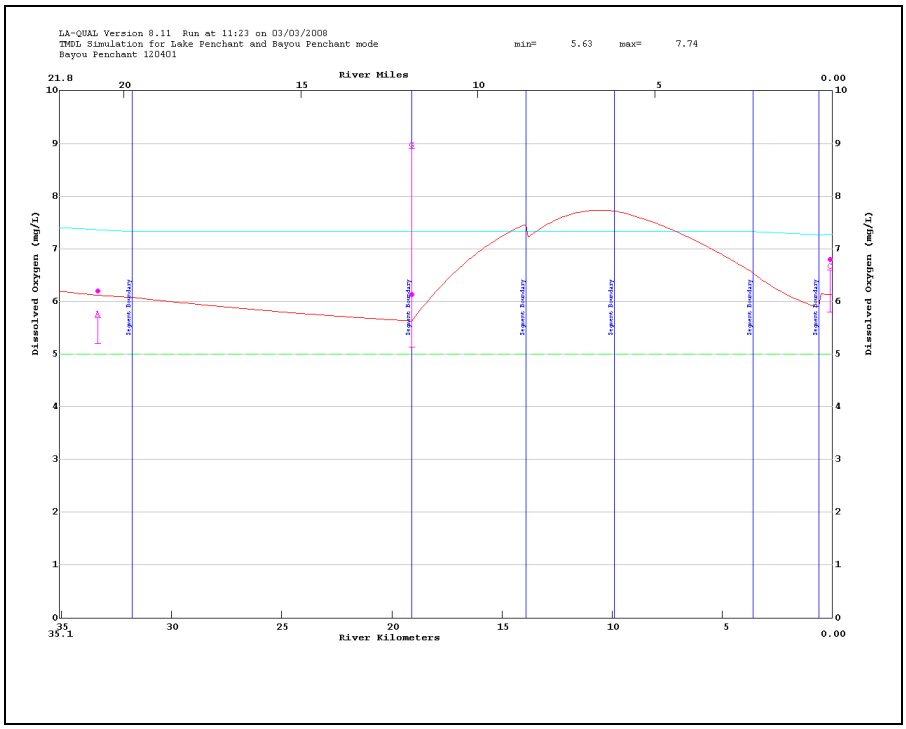


**Figure I-4. DO TMDL results for subsegment 120401.**

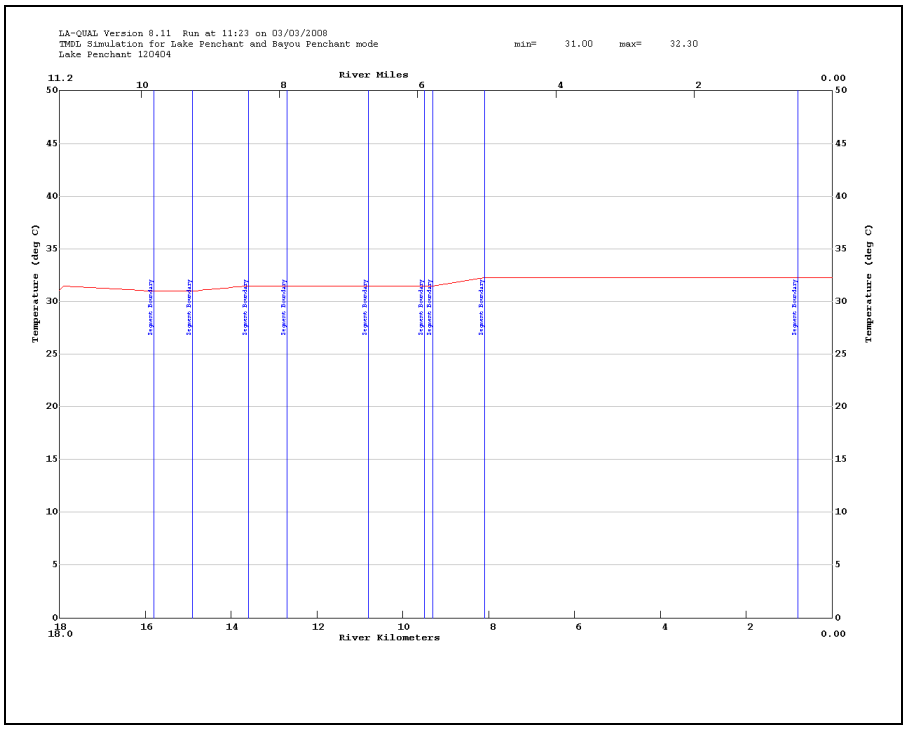


**Figure I-5. Temperature TMDL results for subsegment 120404.**

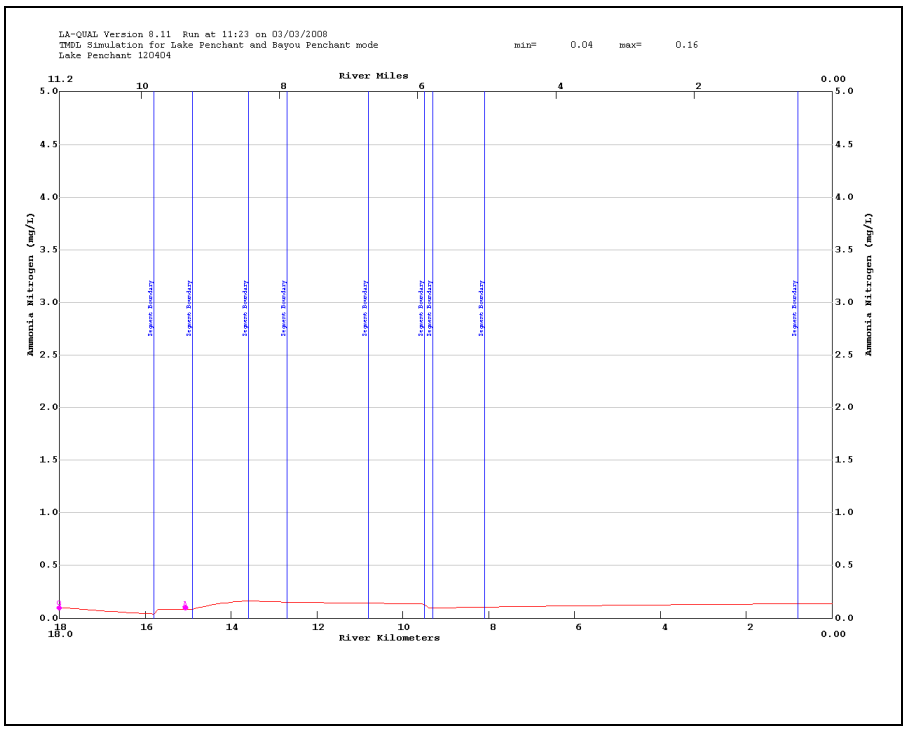


**Figure I-6. Ammonia TMDL results for subsegment 120404.**

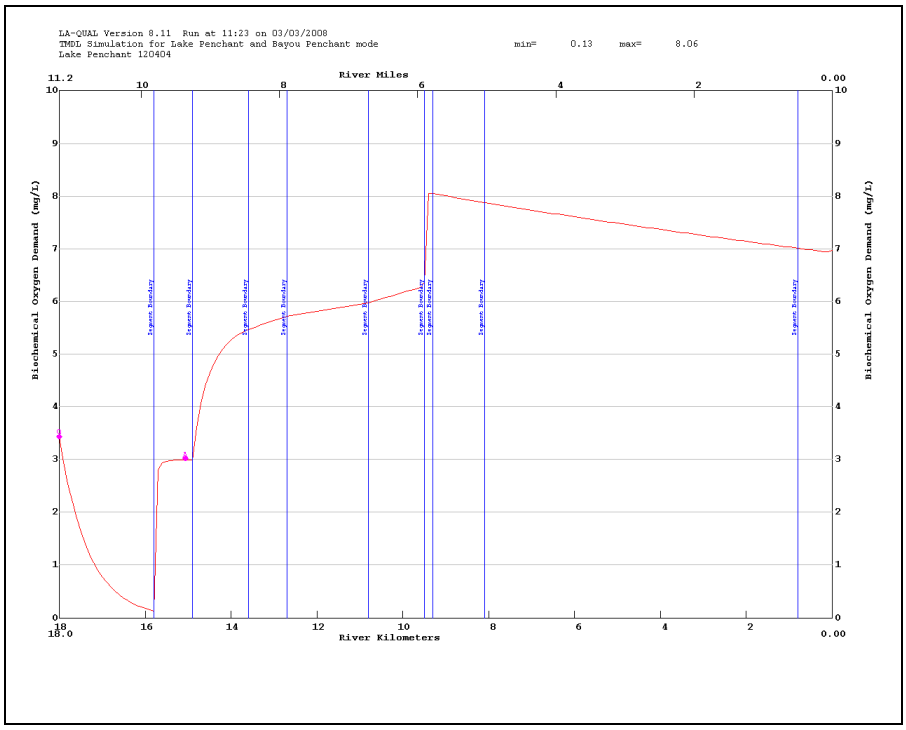


**Figure I-7. $BOD_u$ TMDL results for subsegment 120404.**

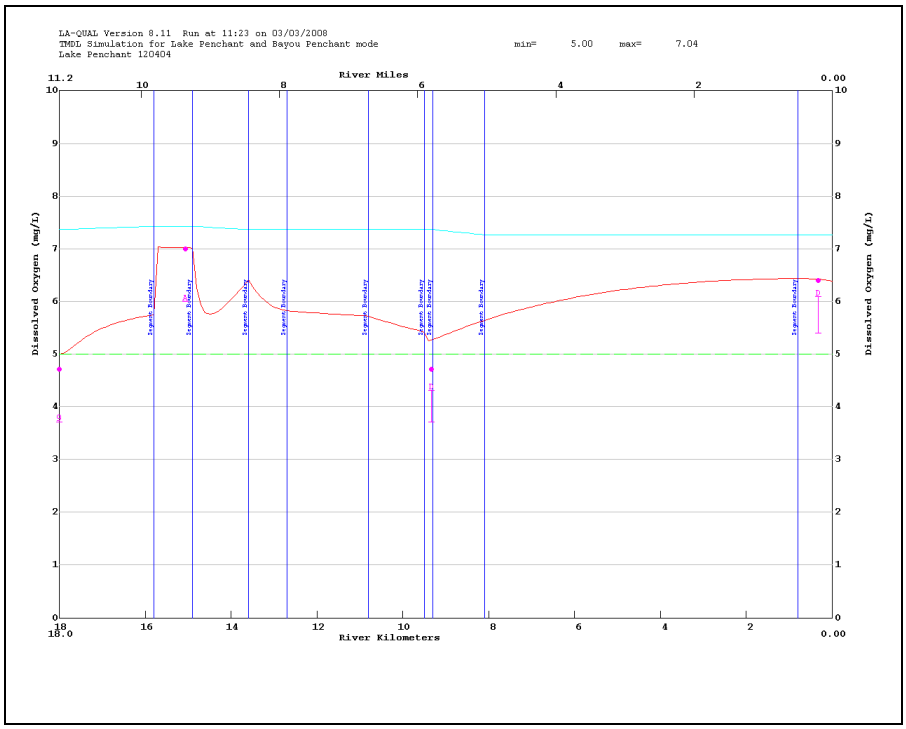


**Figure I-8. DO TMDL results for subsegment 120404.**

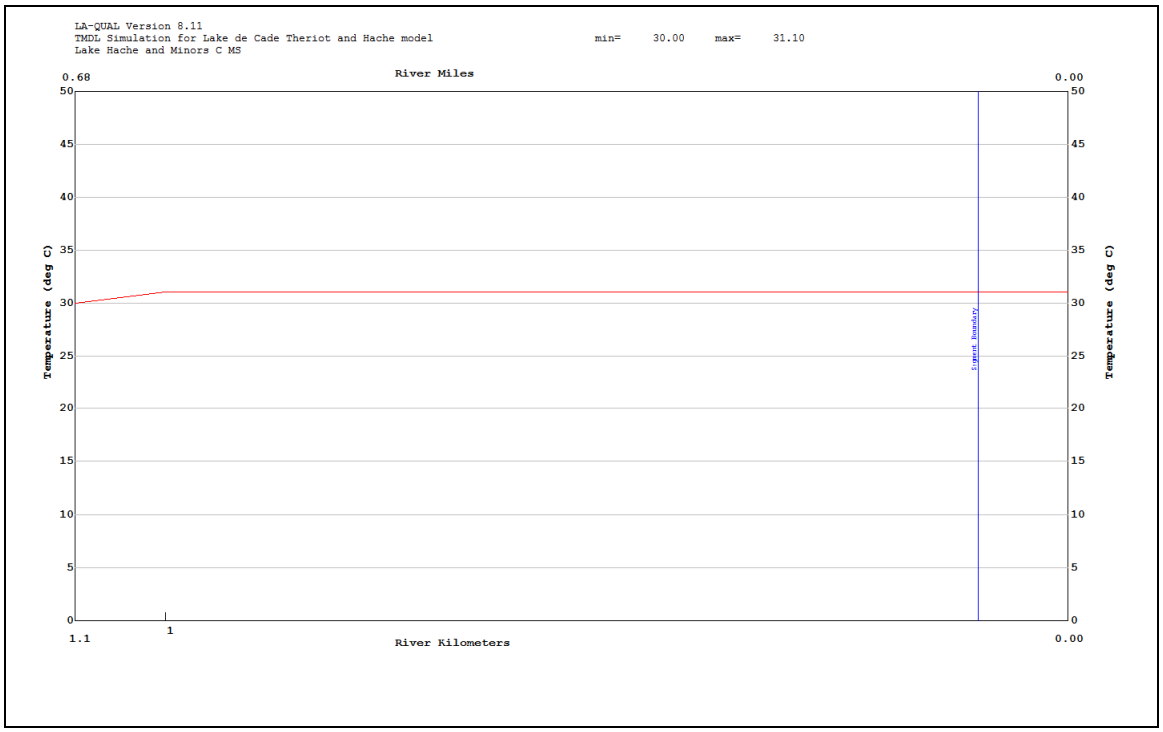


**Figure I-9. Temperature TMDL results for Lake Hatch in subsegment 120405.**

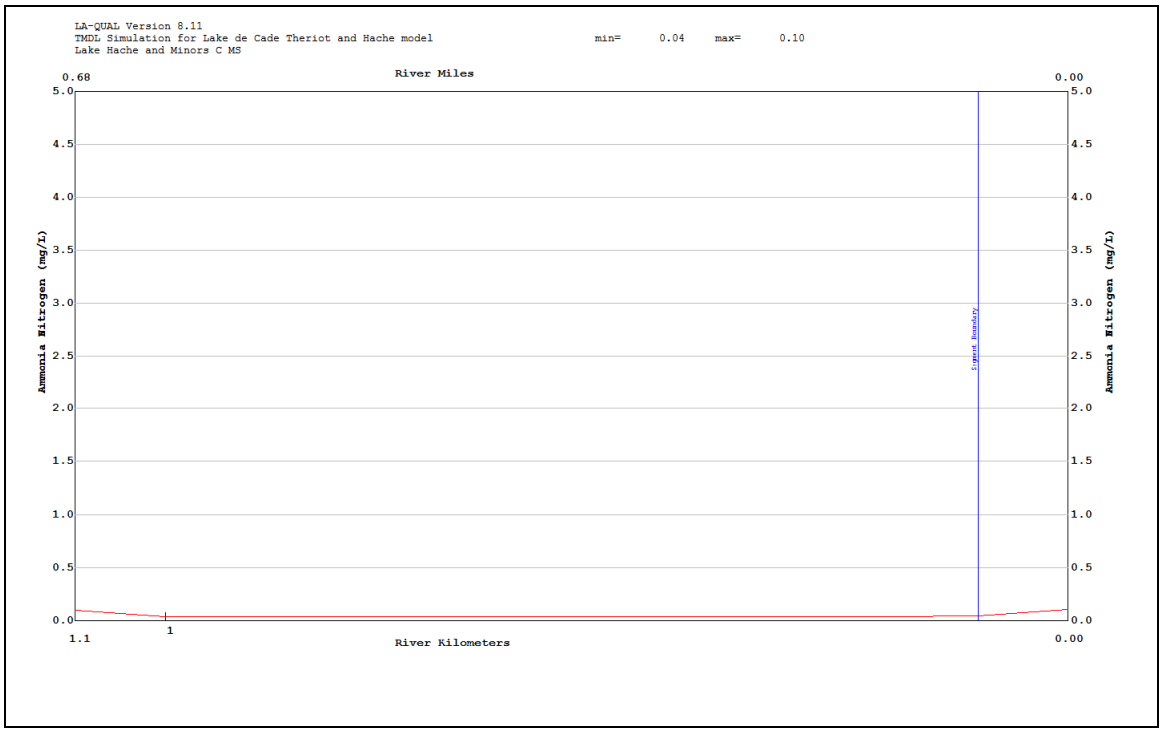


**Figure I-10. Ammonia TMDL results for Lake Hatch in subsegment 120405.**

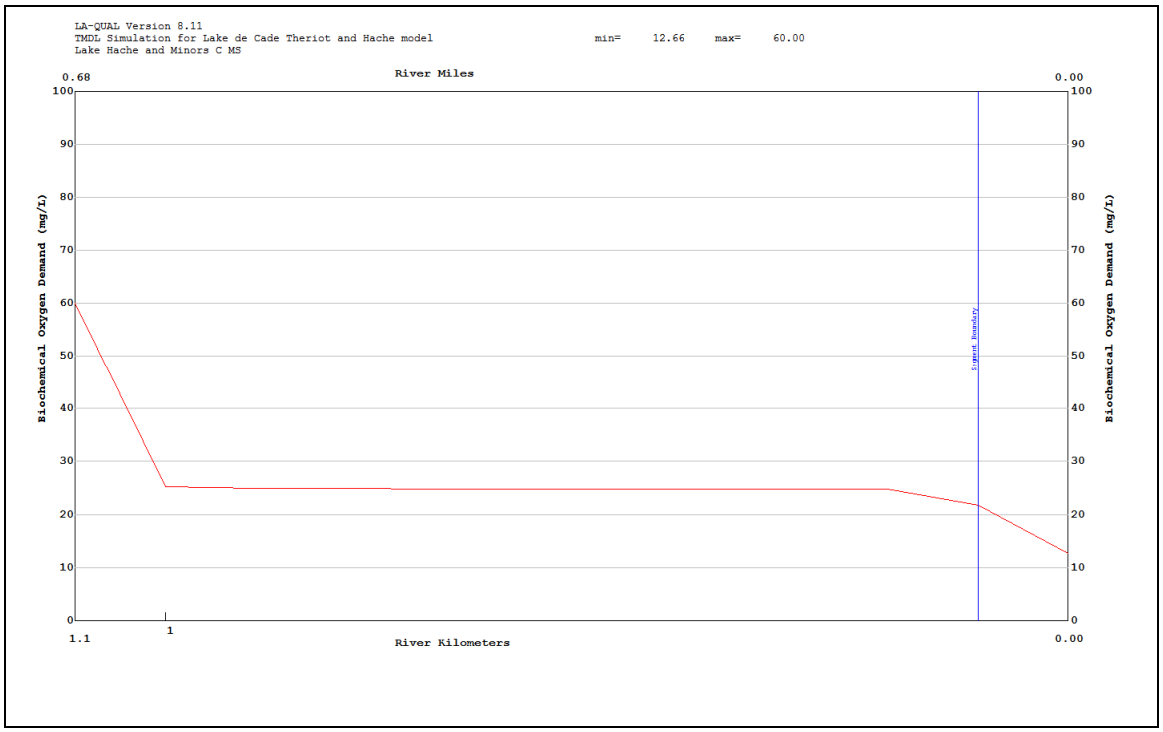


**Figure I-11. $BOD_u$ TMDL results for Lake Hatch in subsegment 120405.**

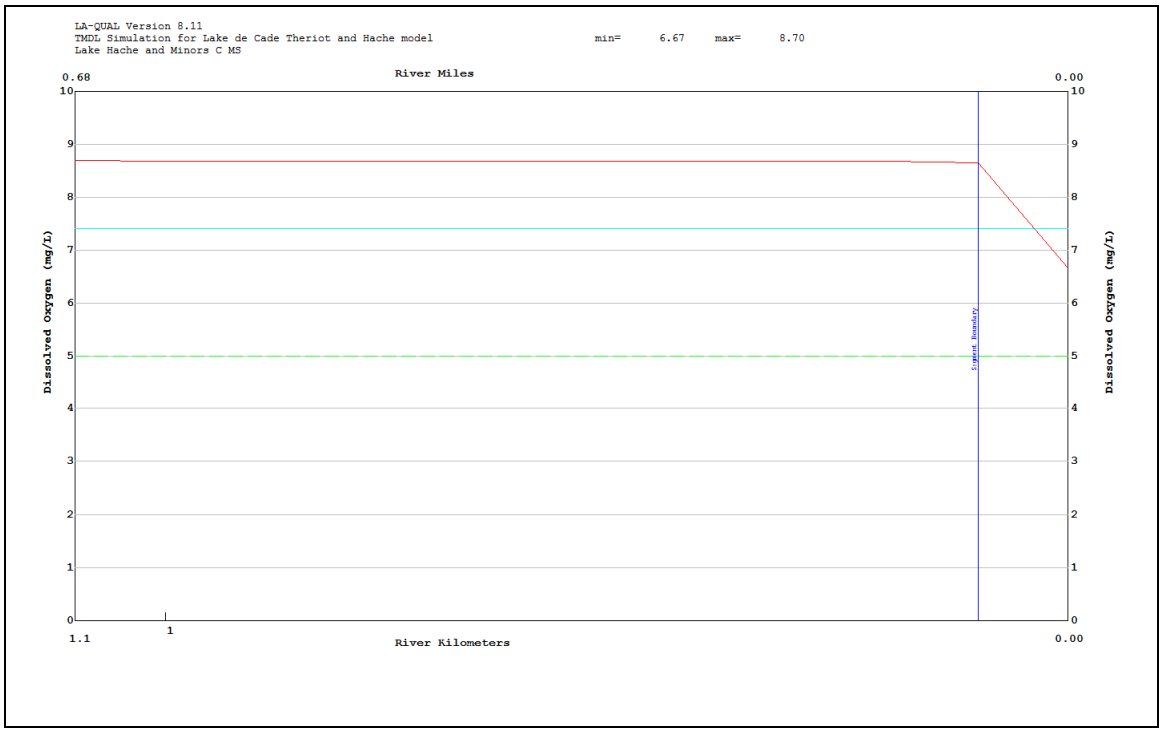


**Figure I-12. DO TMDL results for Lake Hatch in subsegment 120405.**

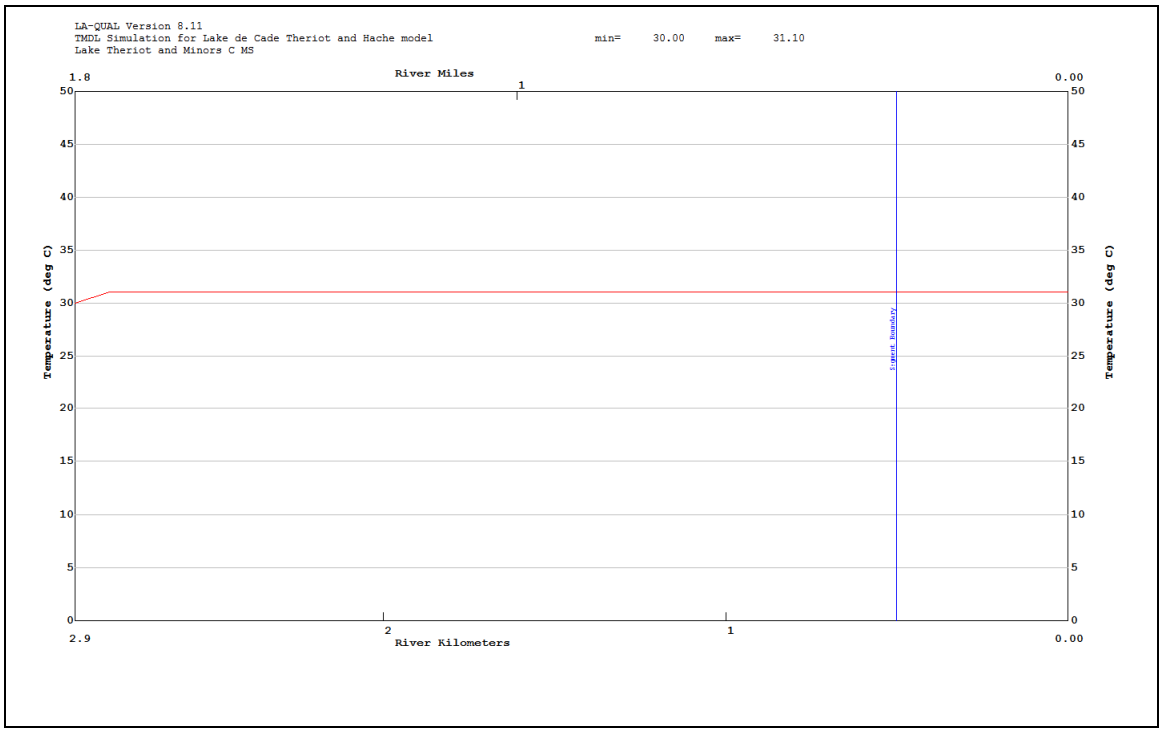


**Figure I-13. Temperature TMDL results for Lake Theriot in subsegment 120405.**

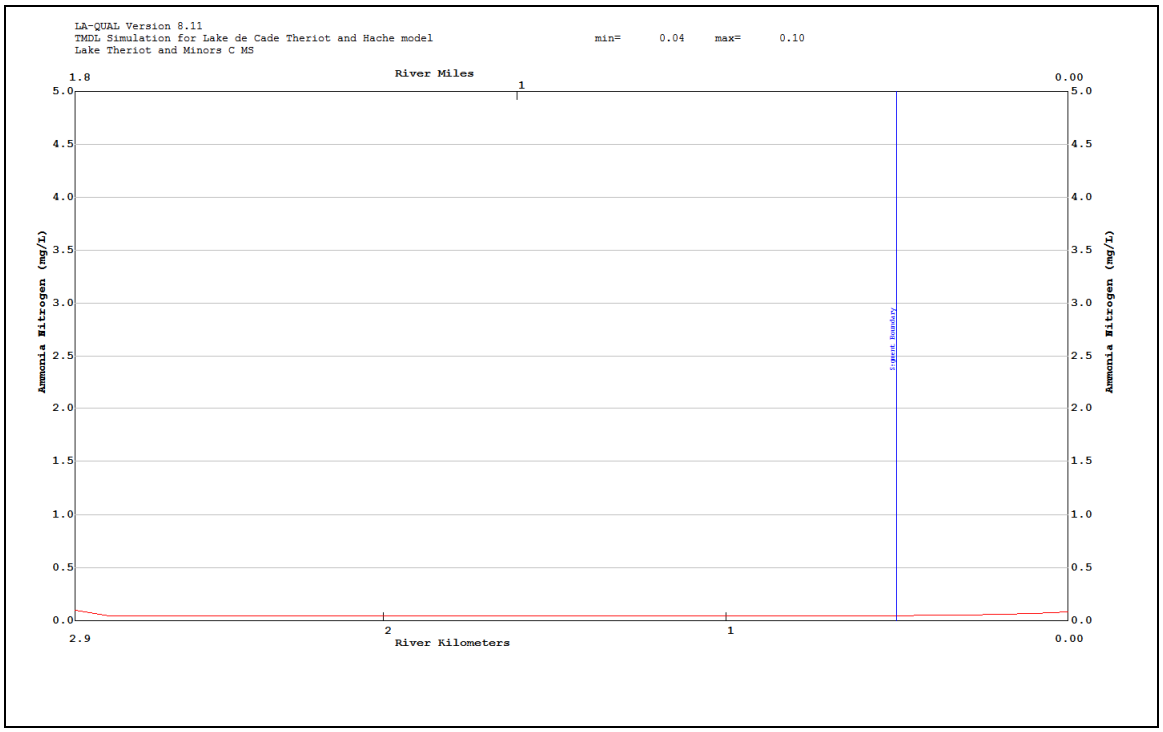


**Figure I-14. Ammonia TMDL results for Lake Theriot in subsegment 120405.**

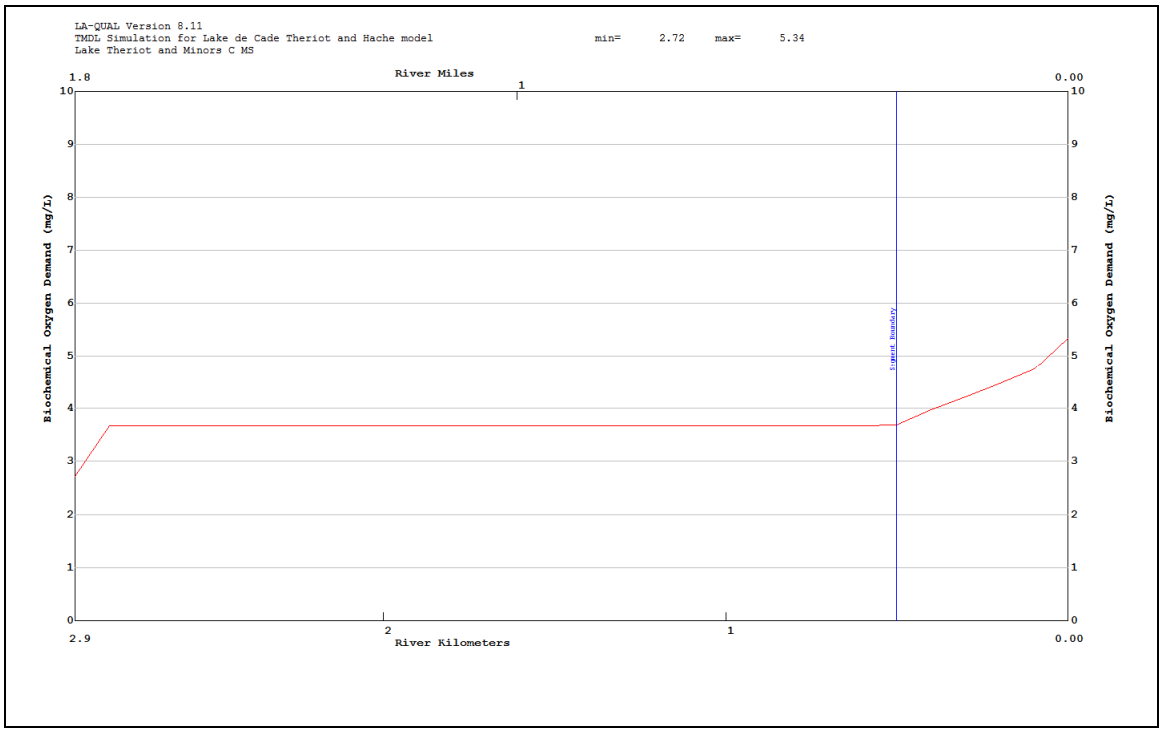


**Figure I-15. $BOD_u$ TMDL results for Lake Theriot in subsegment 120405.**

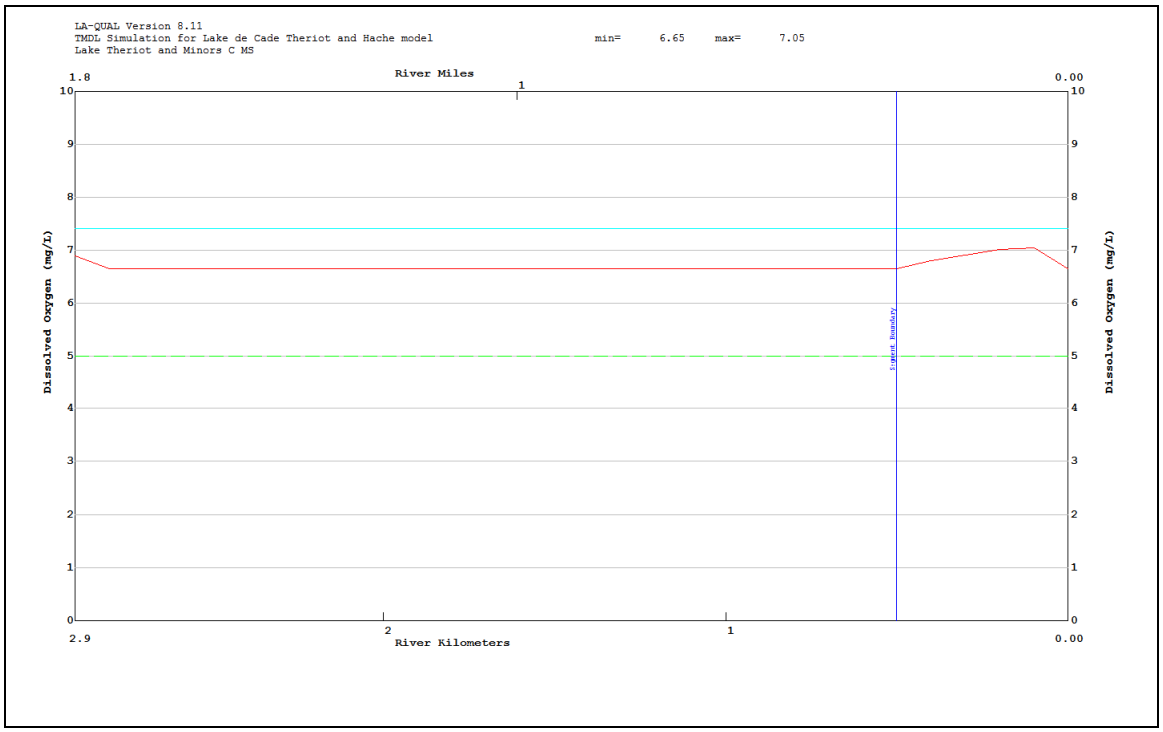


**Figure I-16. DO TMDL results for Lake Theriot in subsegment 120405.**

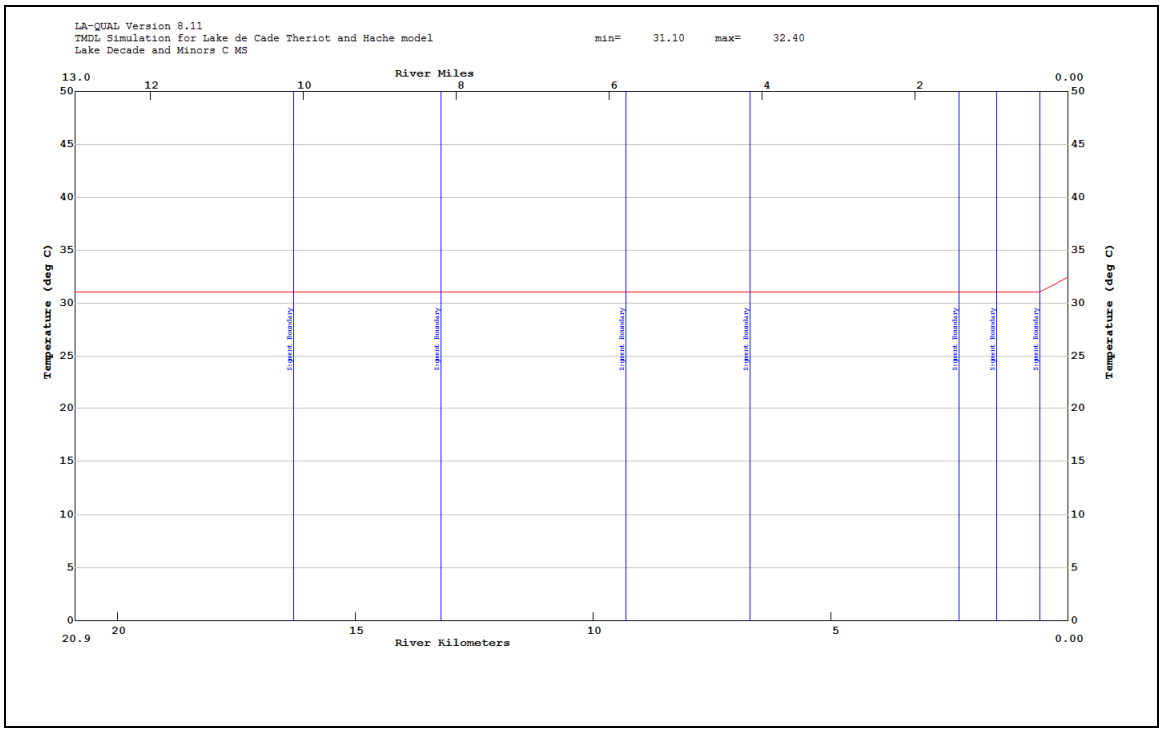


**Figure I-17. Temperature TMDL results for Lake de Cade in subsegment 120406.**

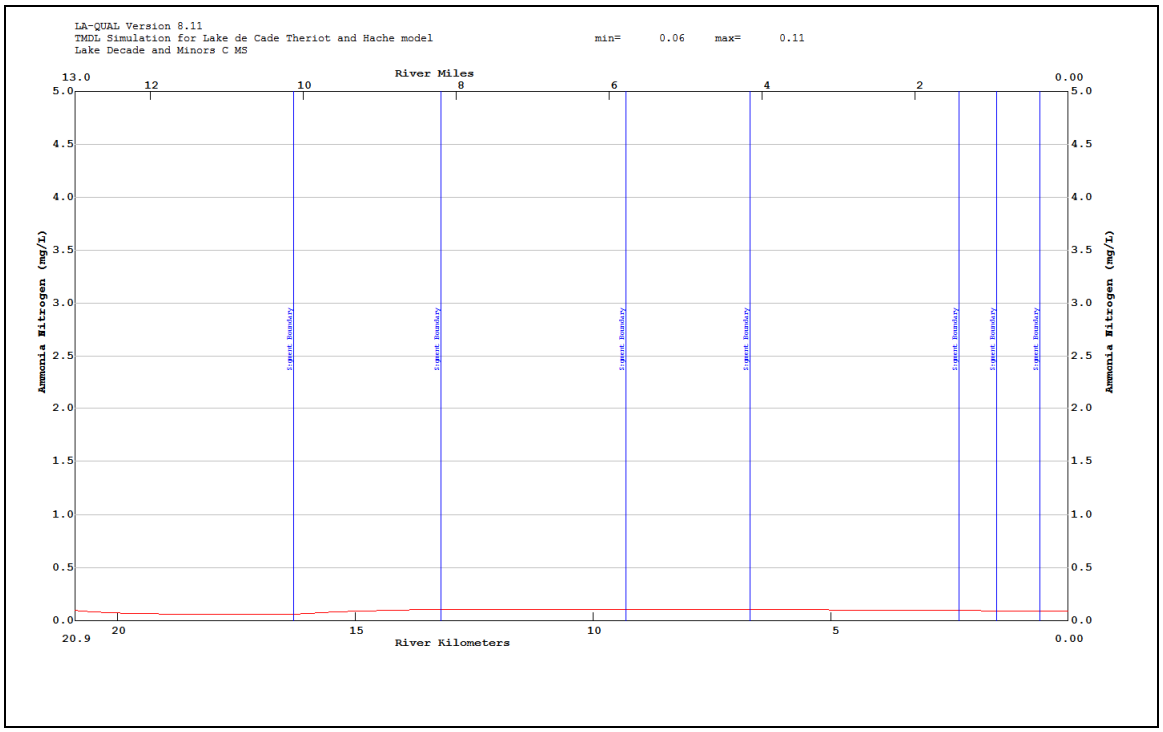


**Figure I-18. Ammonia TMDL results for Lake de Cade in subsegment 120406.**

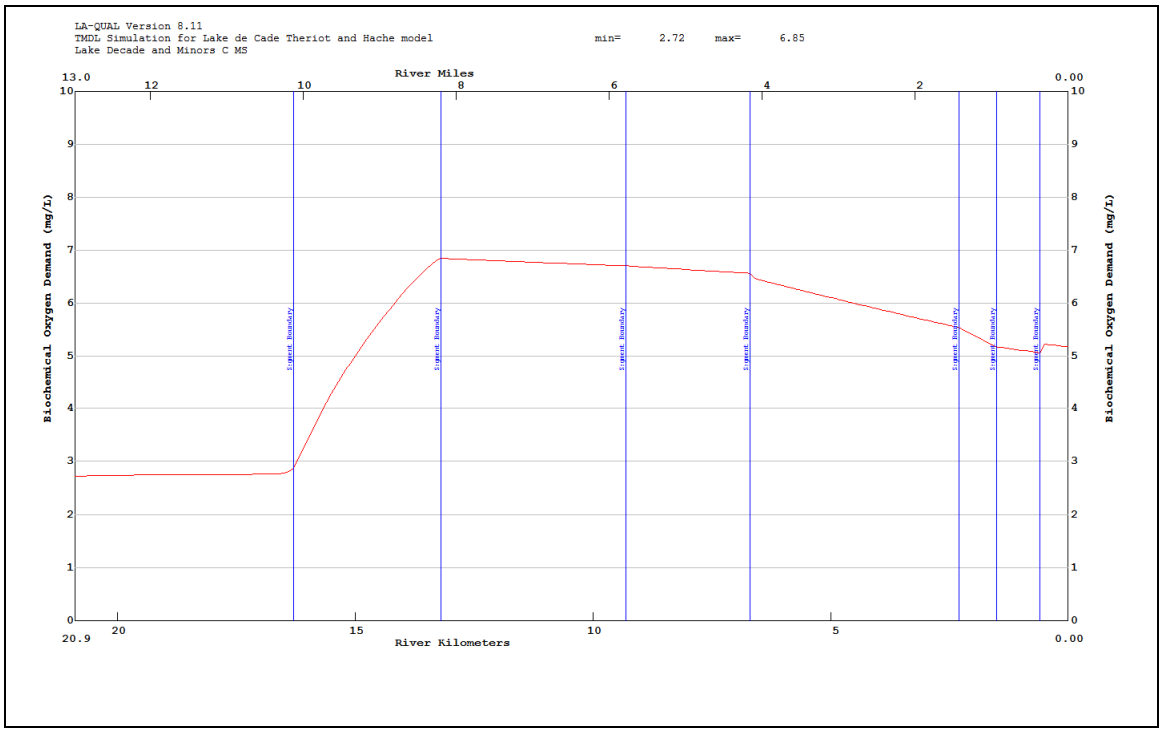


**Figure I-19. $BOD_u$ TMDL results for Lake de Cade in subsegment 120406.**

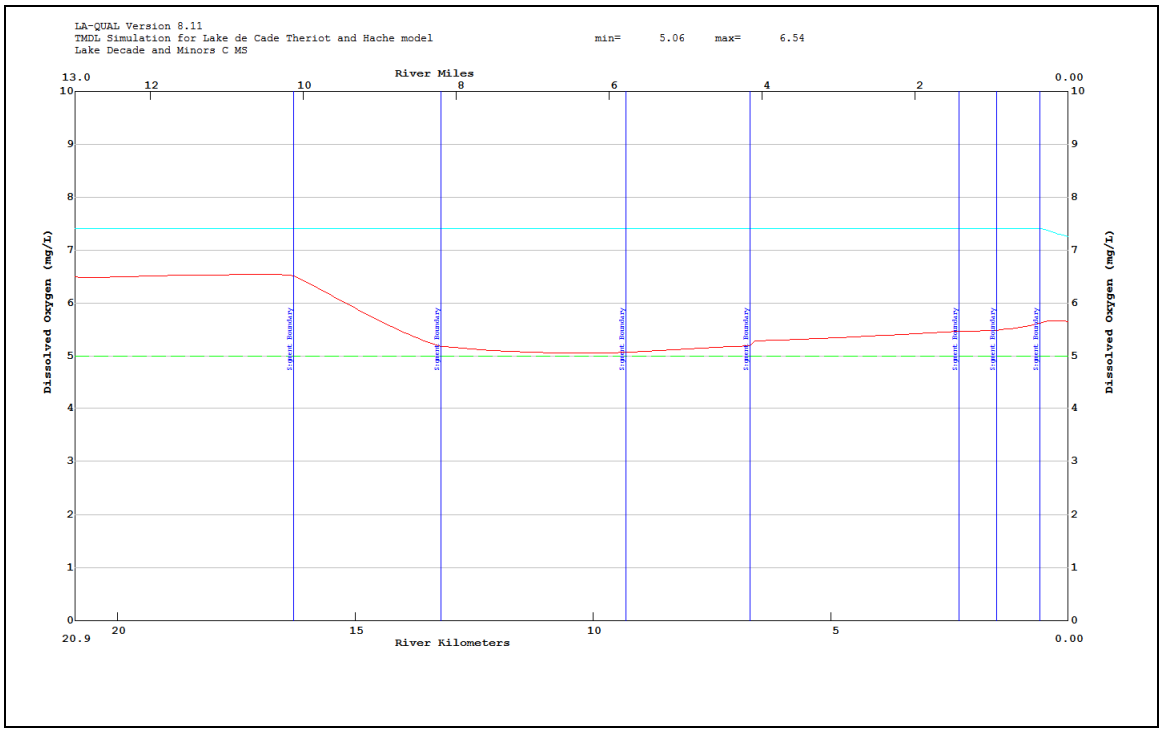


**Figure I-20. DO TMDL results for Lake de Cade in subsegment 120406.**

# APPENDIX J:
# SENSITIVITY ANALYSIS PLOTS

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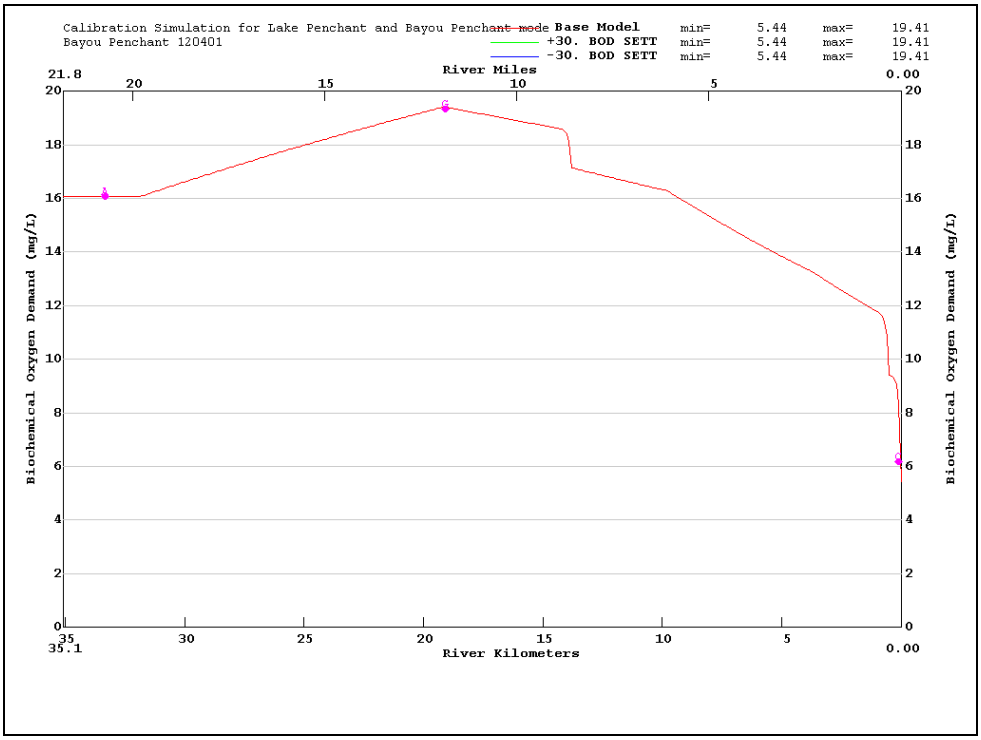


**Figure J-1. BOD sensitivity results (BOD settling rate) for subsegment 120401.**

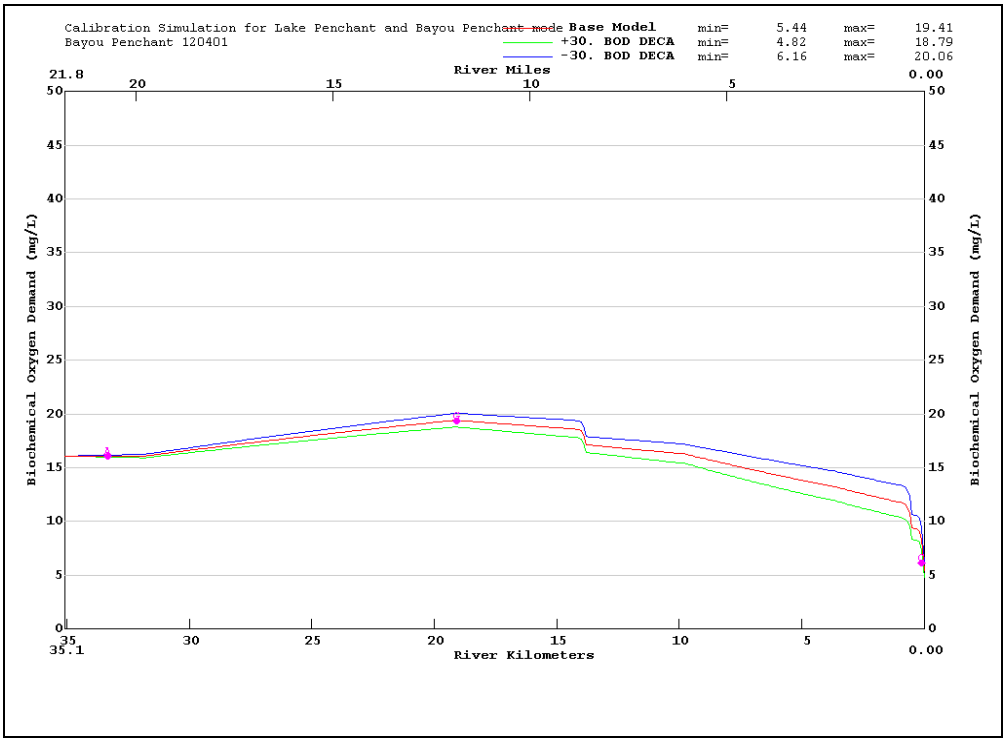


**Figure J-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120401.**

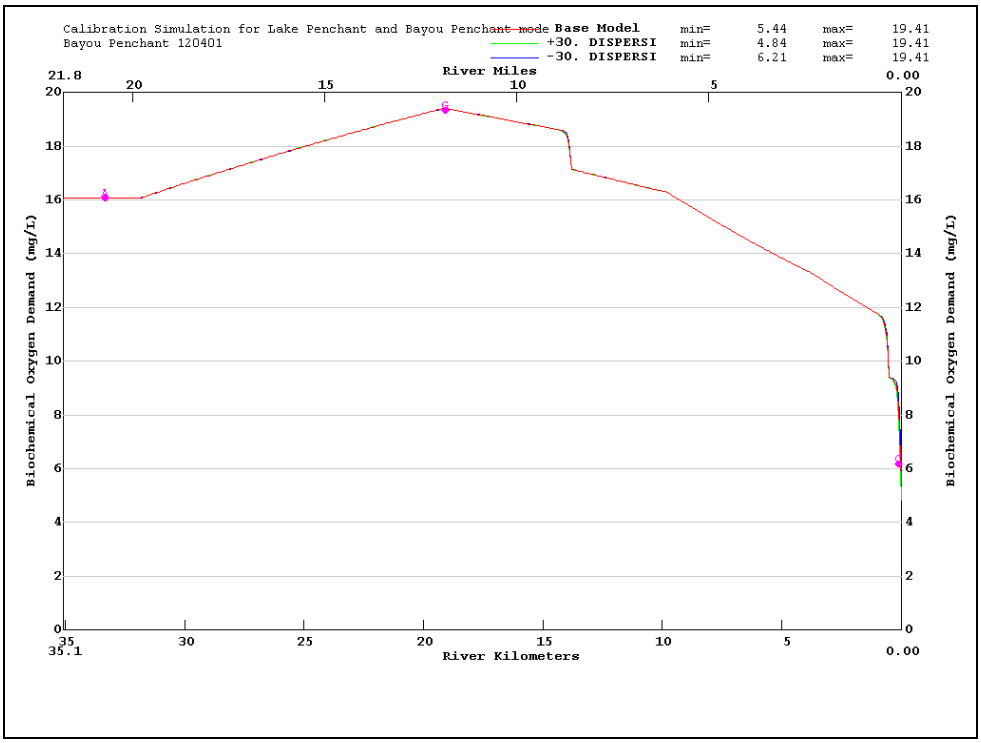


**Figure J-3. BOD sensitivity results (dispersion) for subsegment 120401.**

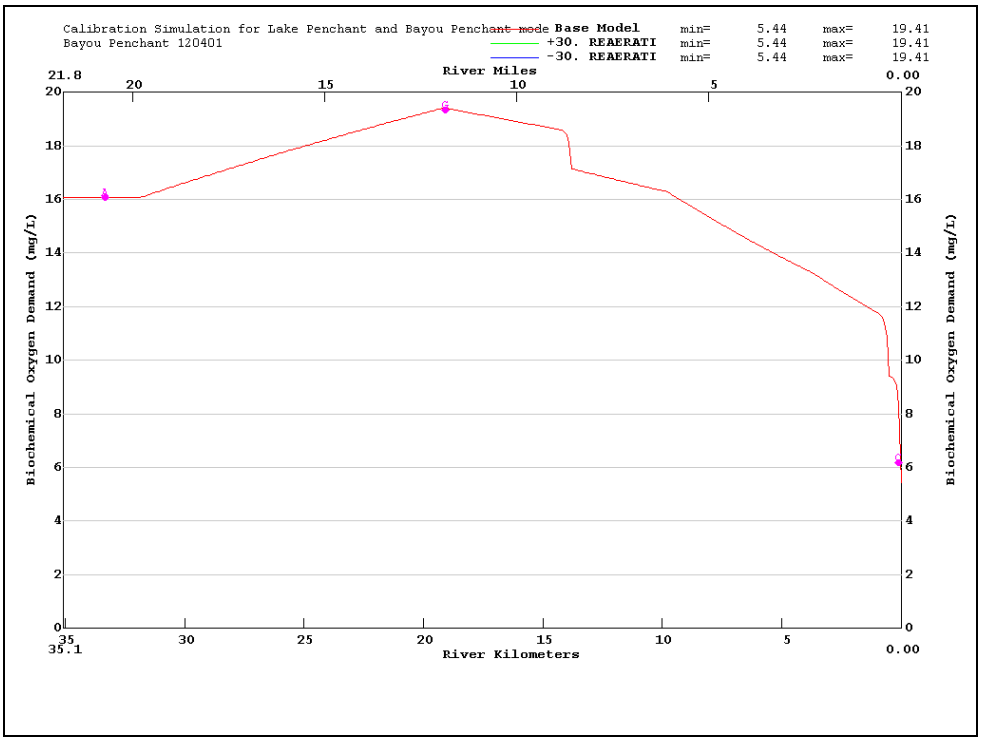


**Figure J-4. BOD sensitivity results (reaeration) for subsegment 120401.**

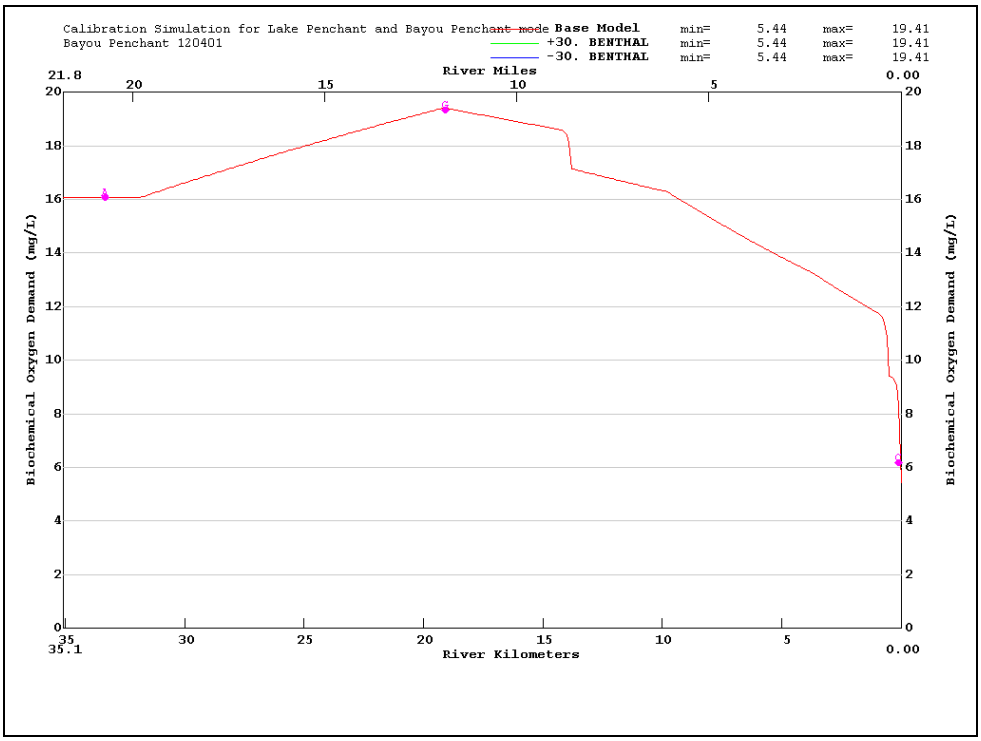


**Figure J-5. BOD sensitivity results (background SOD) for subsegment 120401.**

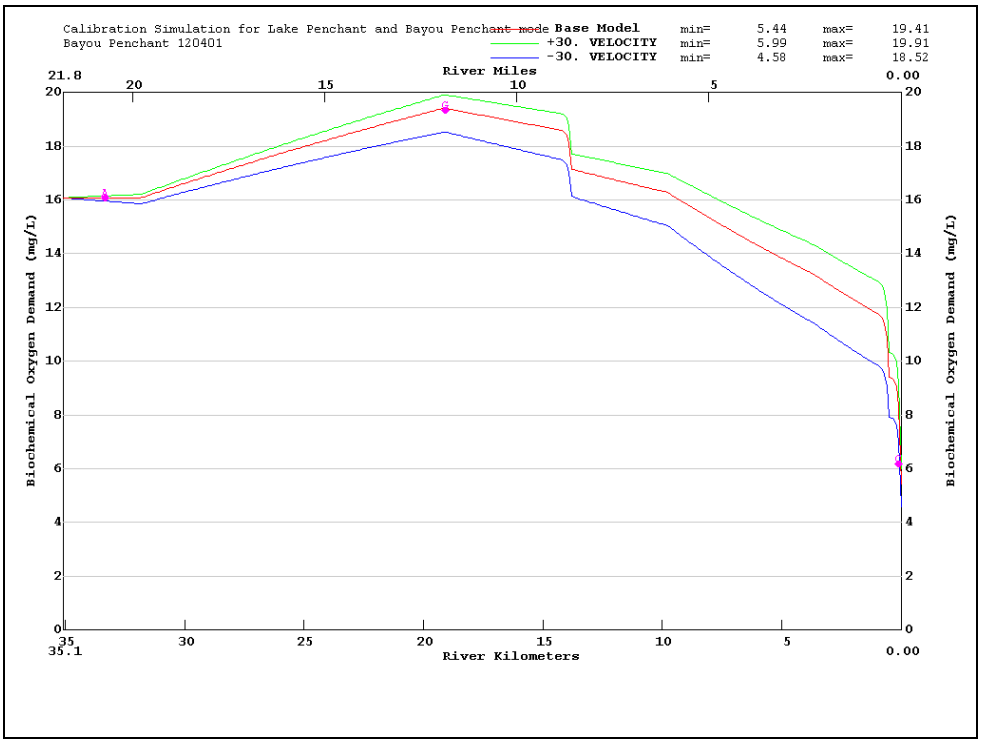


**Figure J-6. BOD sensitivity results (stream velocity) for subsegment 120401.**

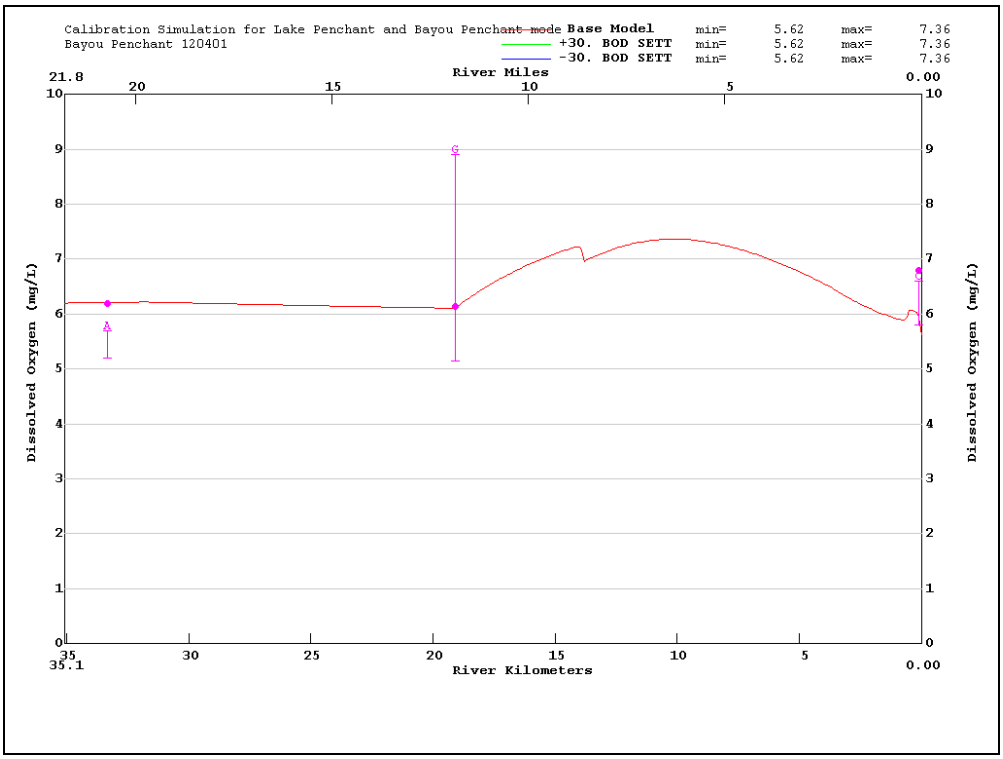


**Figure J-7. DO sensitivity results (BOD settling rate) for subsegment 120401.**

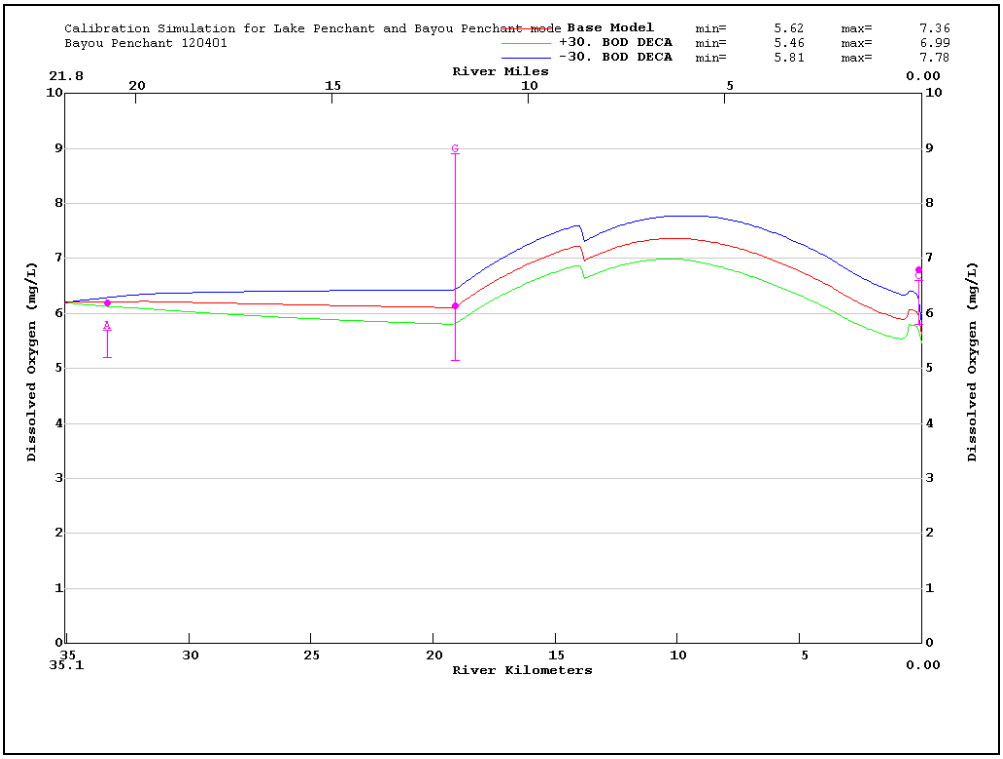


**Figure J-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120401.**

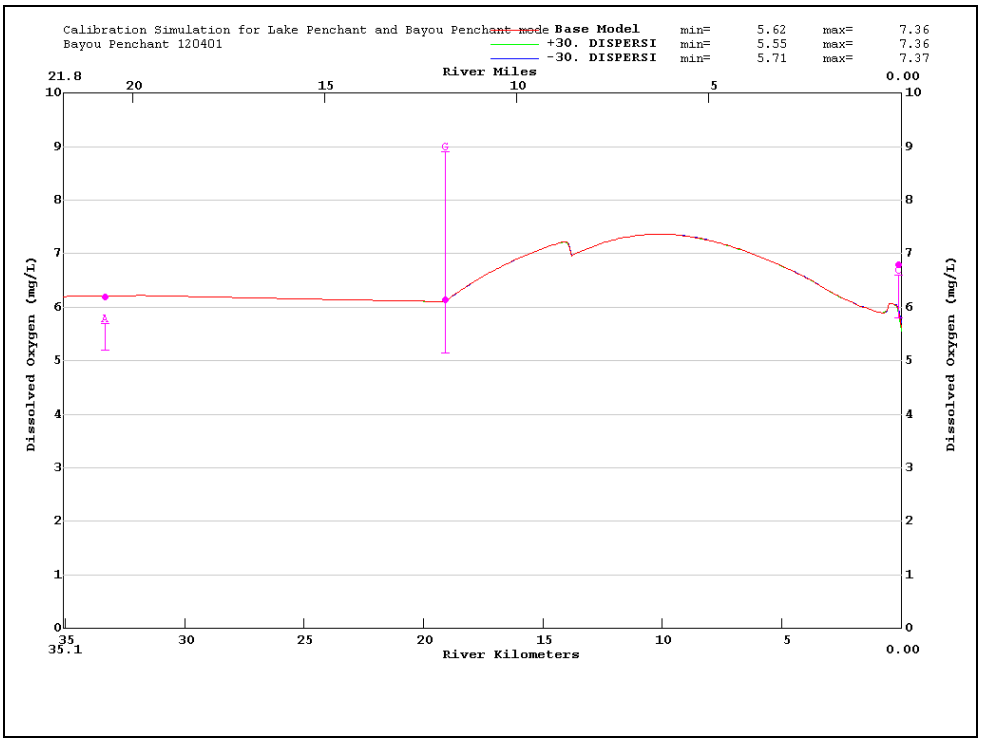


**Figure J-9. DO sensitivity results (dispersion) for subsegment 120401.**

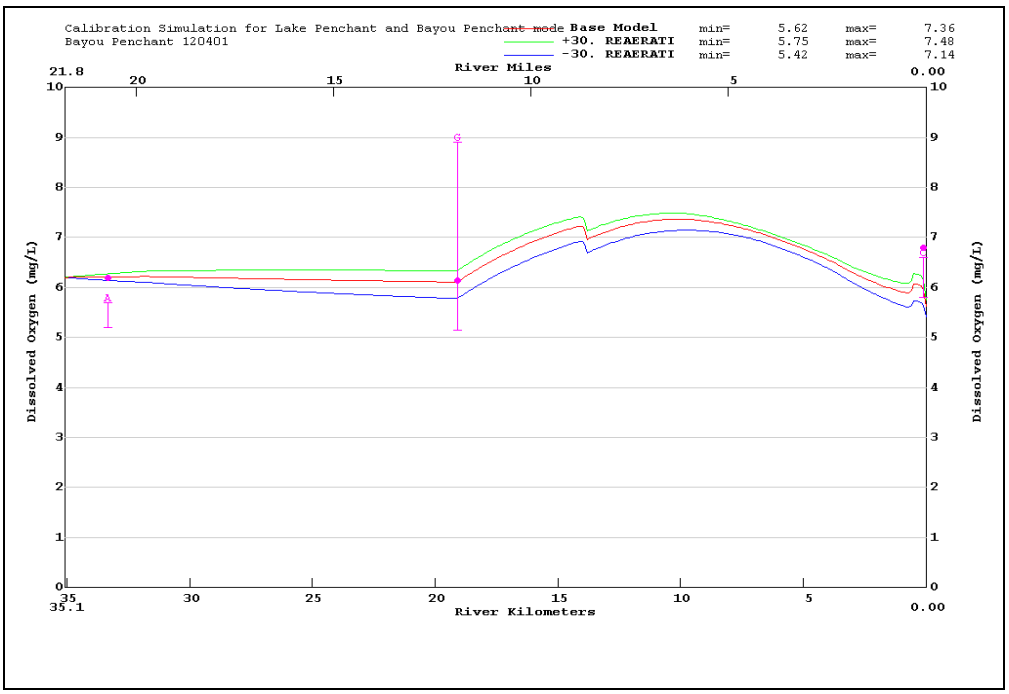


**Figure J-10. DO sensitivity results (reaeration) for subsegment 120401.**

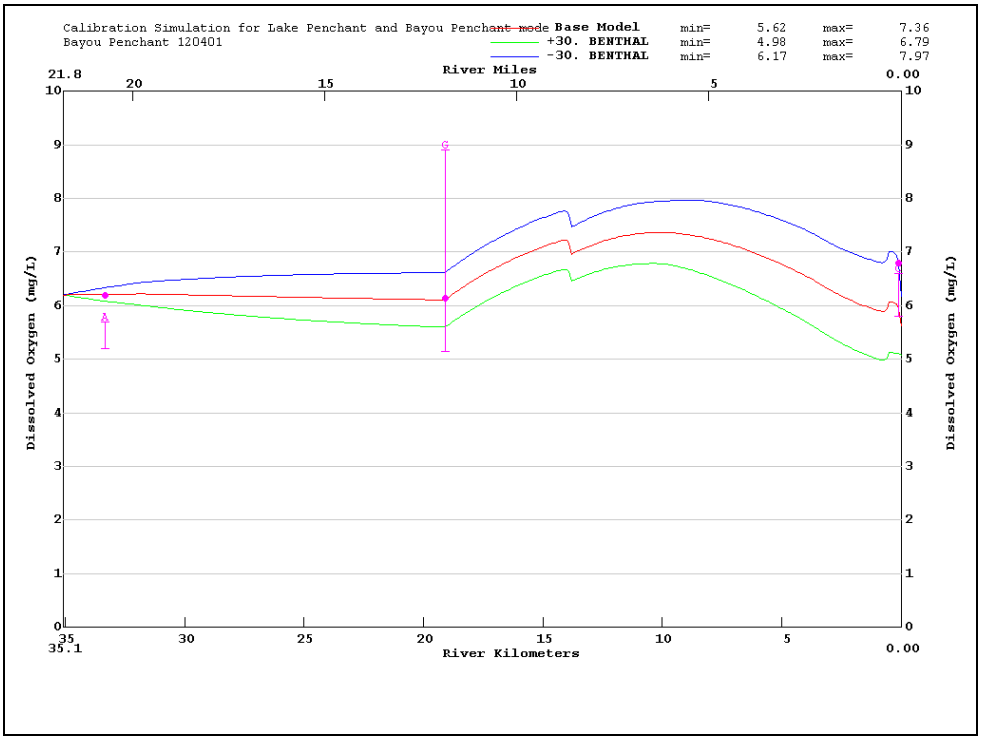


**Figure J-11. DO sensitivity results (background SOD) for subsegment 120401.**

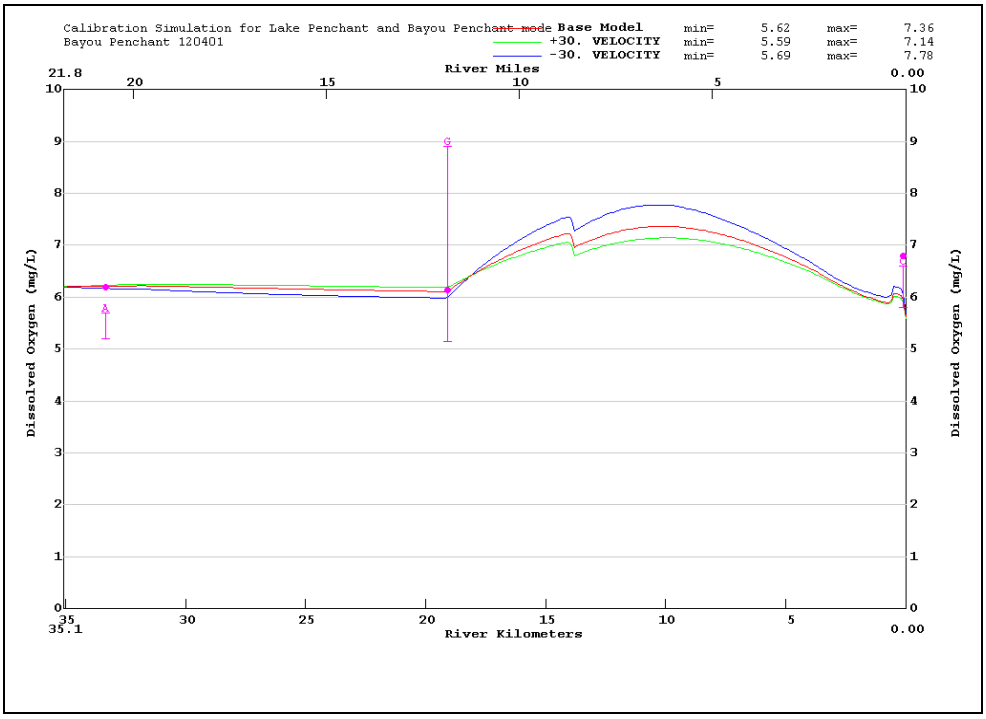


**Figure J-12. DO sensitivity results (stream velocity) for subsegment 120401.**

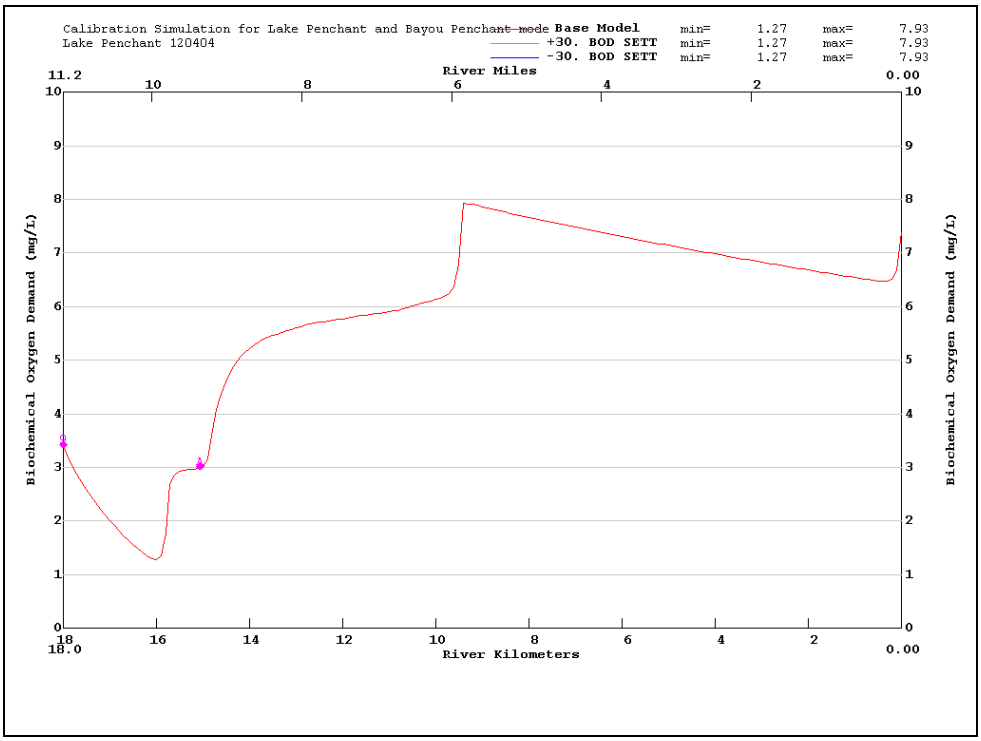


**Figure J-13. BOD sensitivity results (BOD settling rate) for subsegment 120404.**

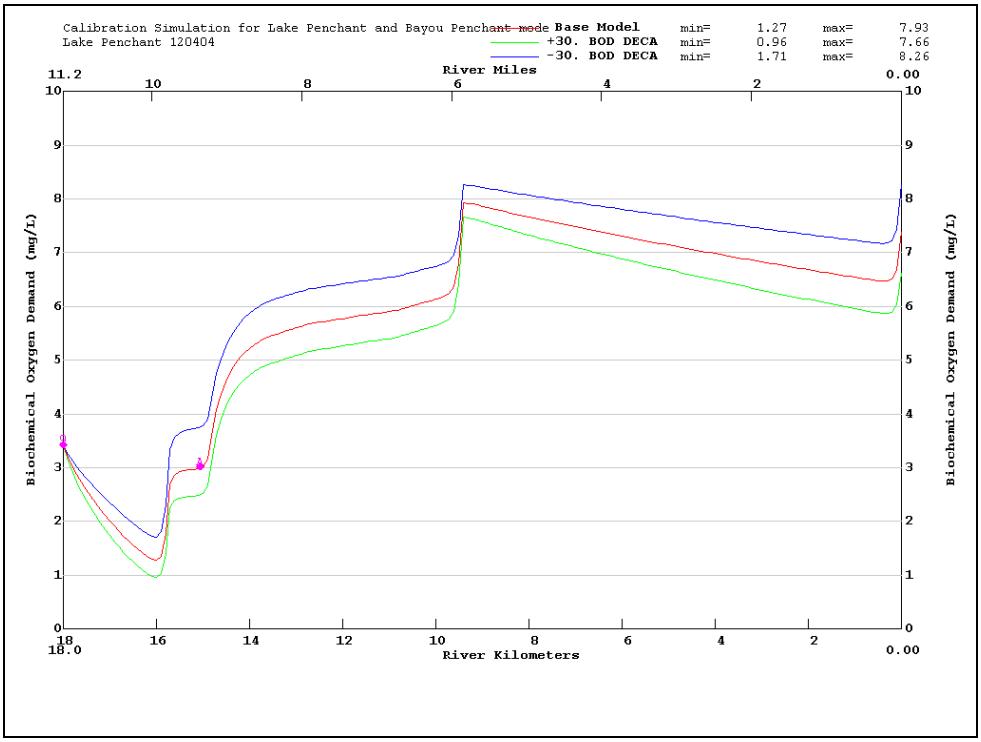


**Figure J-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120404.**

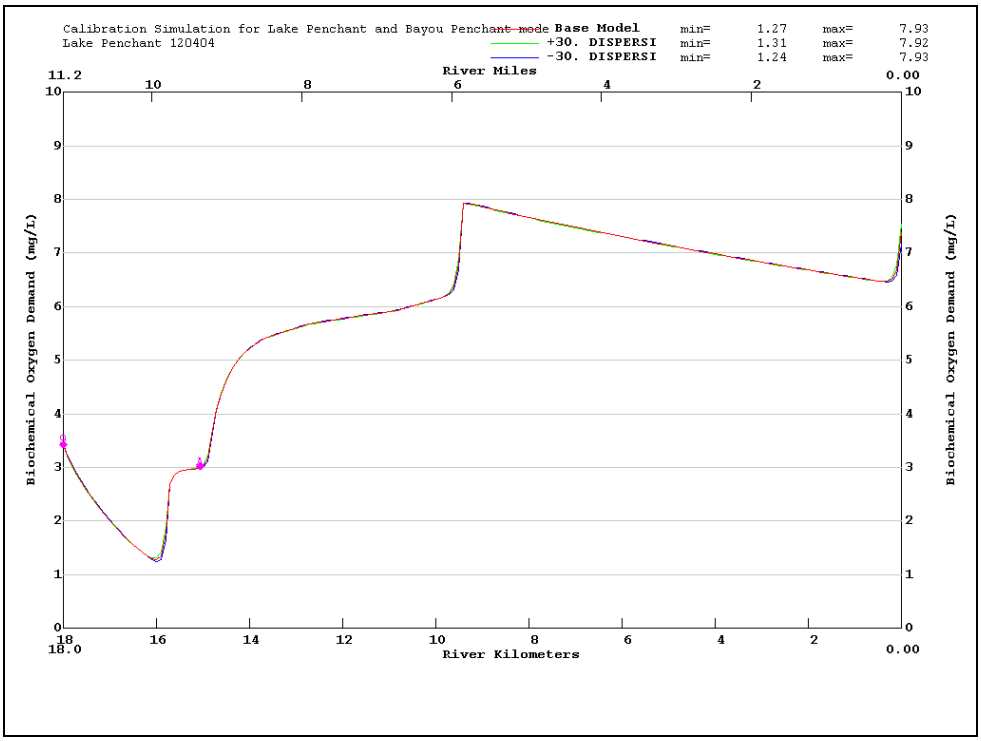


**Figure J-15. BOD sensitivity results (dispersion) for subsegment 120404.**

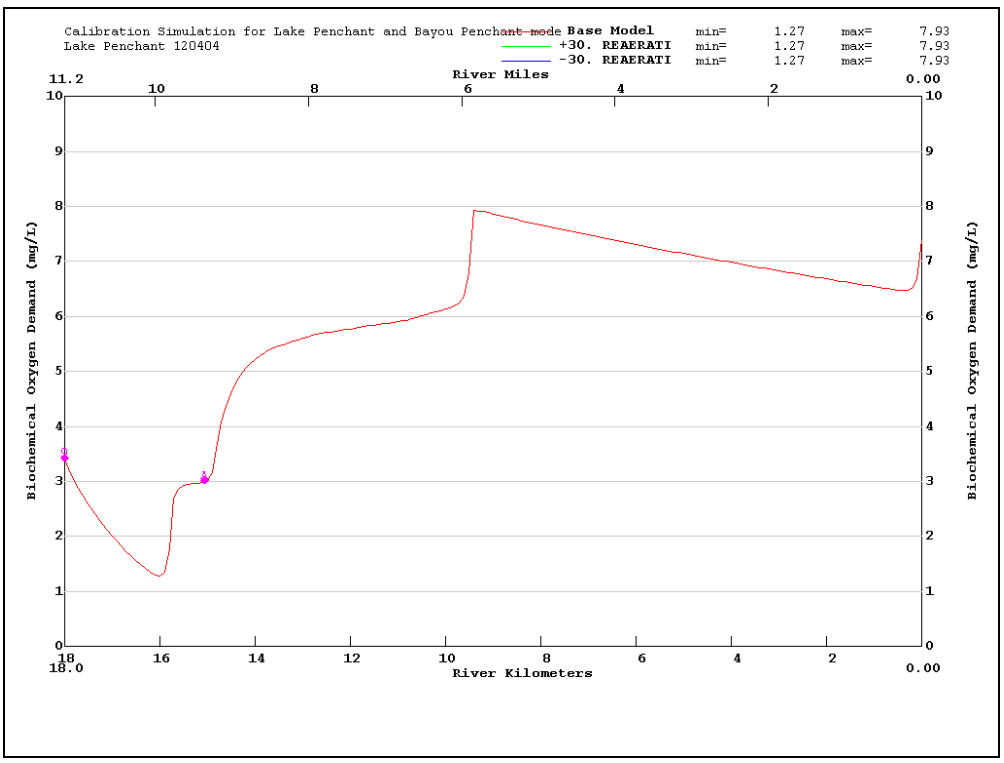


**Figure J-16. BOD sensitivity results (reaeration) for subsegment 120404.**

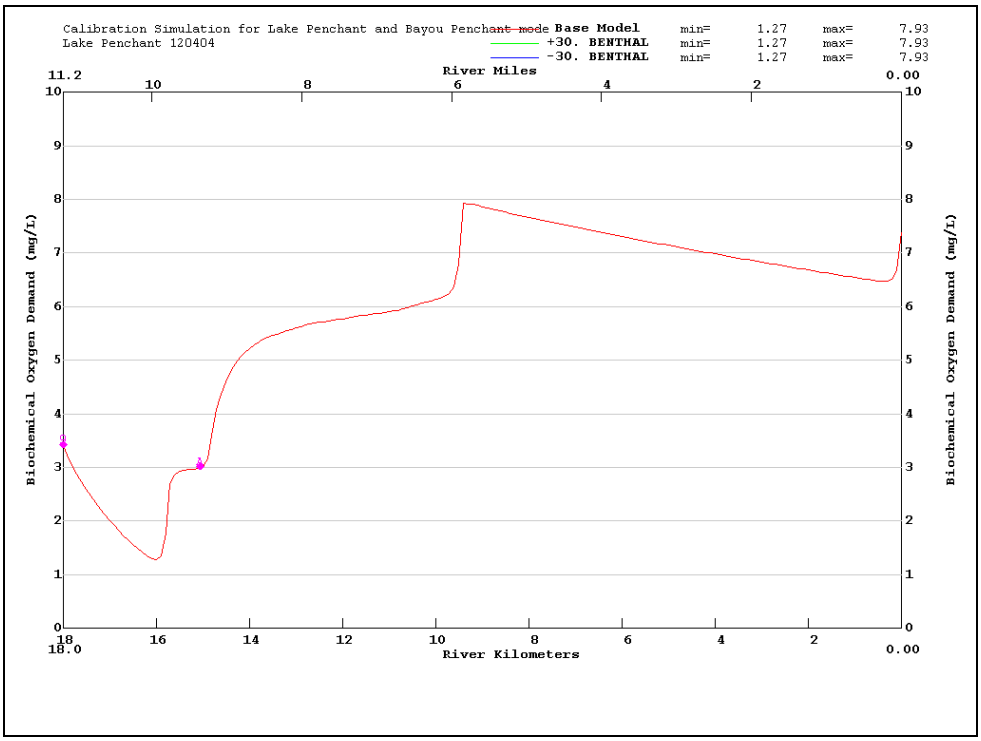


**Figure J-17. BOD sensitivity results (background SOD) for subsegment 120404.**

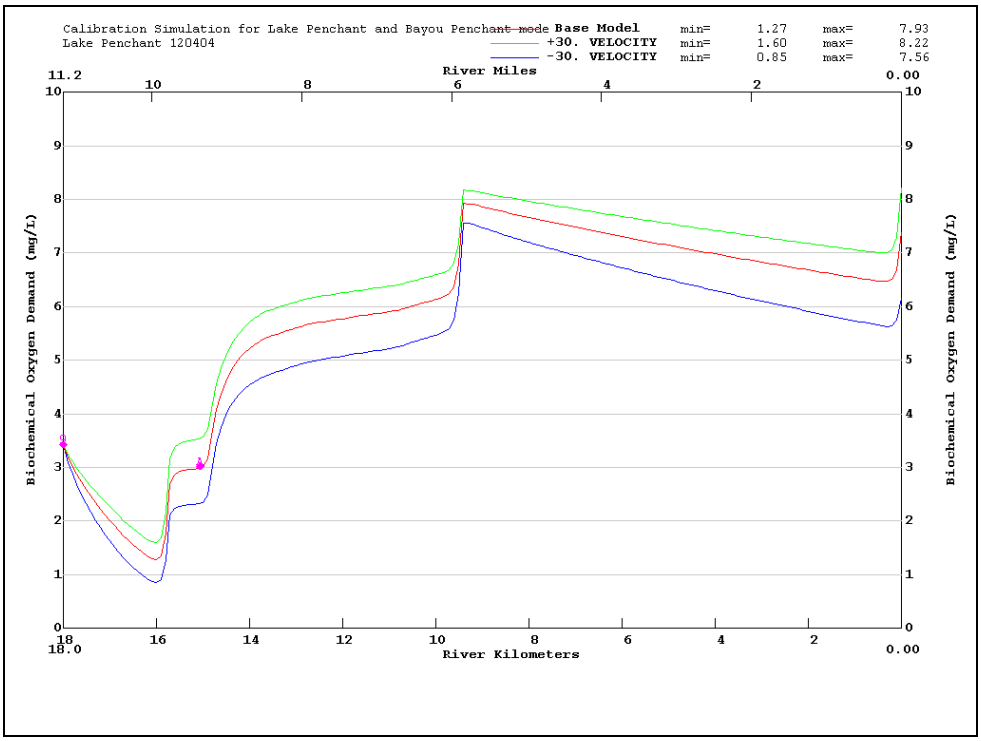


**Figure J-18. BOD sensitivity results (stream velocity) for subsegment 120404.**

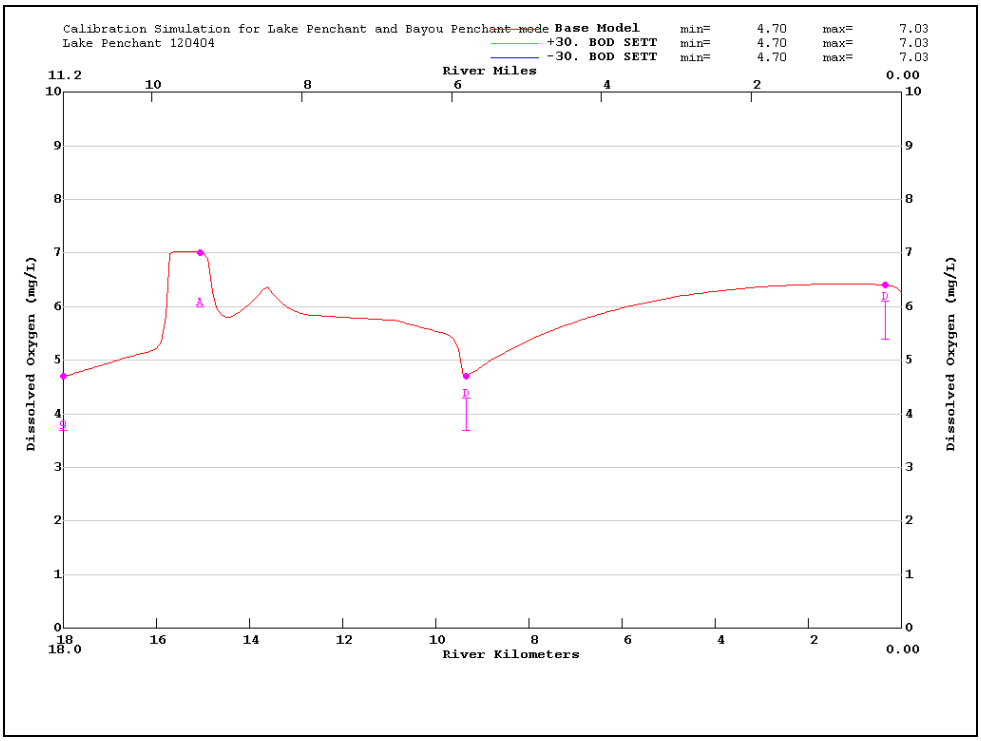


**Figure J-19. DO sensitivity results (BOD settling rate) for subsegment 120404.**

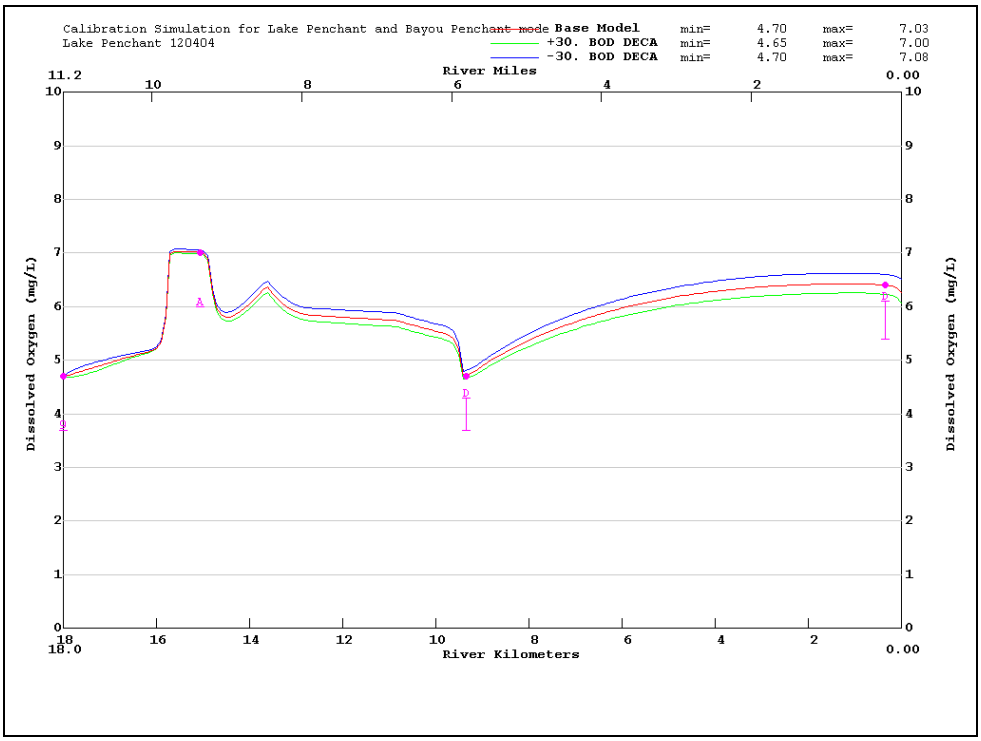


**Figure J-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120404.**

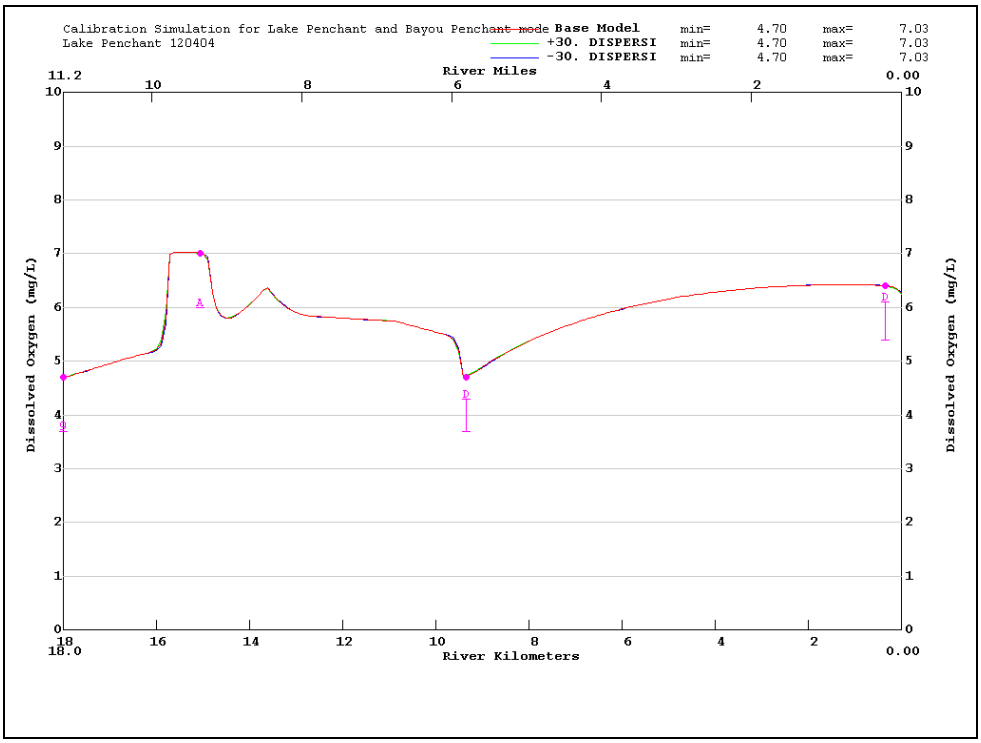


**Figure J-21. DO sensitivity results (dispersion) for subsegment 120404.**

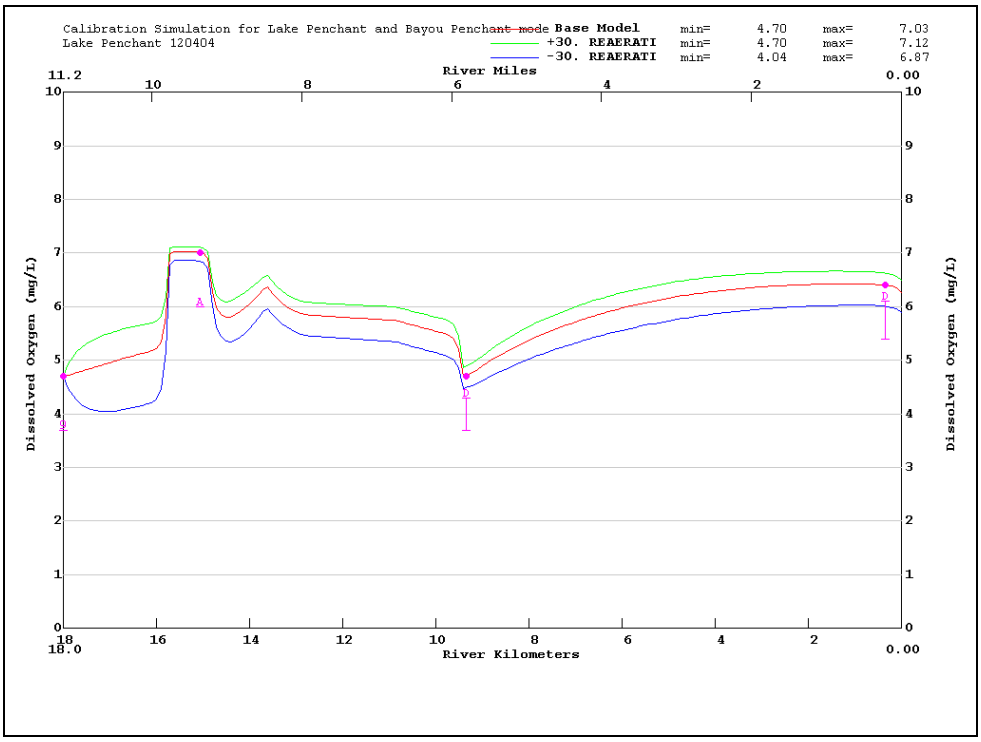


**Figure J-22. DO sensitivity results (reaeration) for subsegment 120404.**

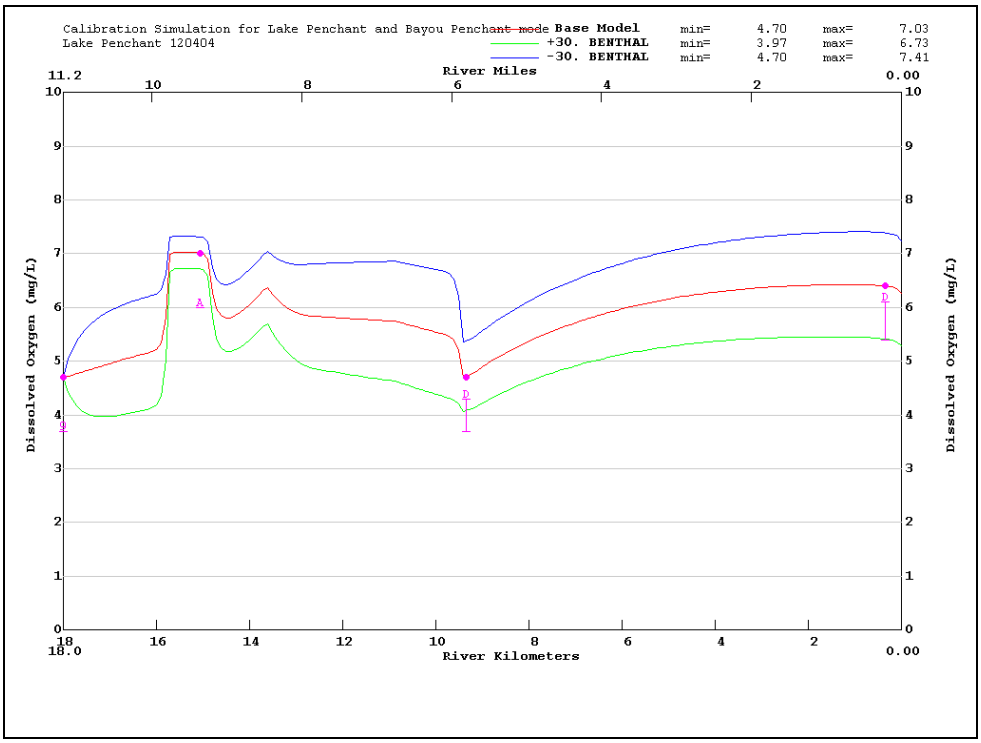


**Figure J-23. DO sensitivity results (background SOD) for subsegment 120404.**

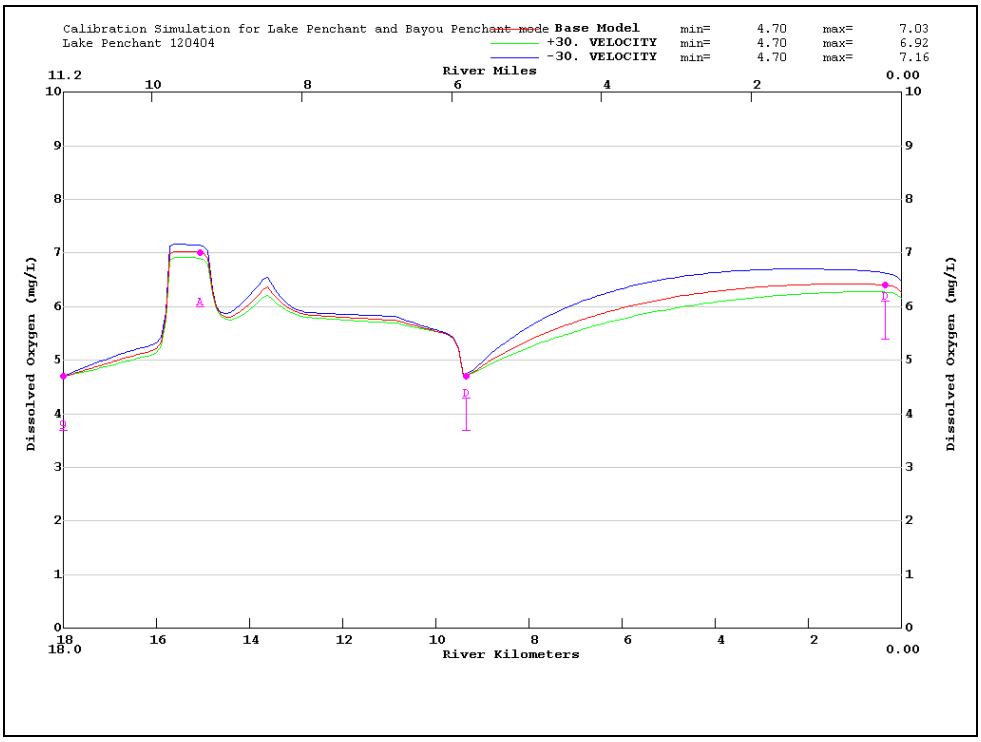


**Figure J-24. DO sensitivity results (stream velocity) for subsegment 120404.**

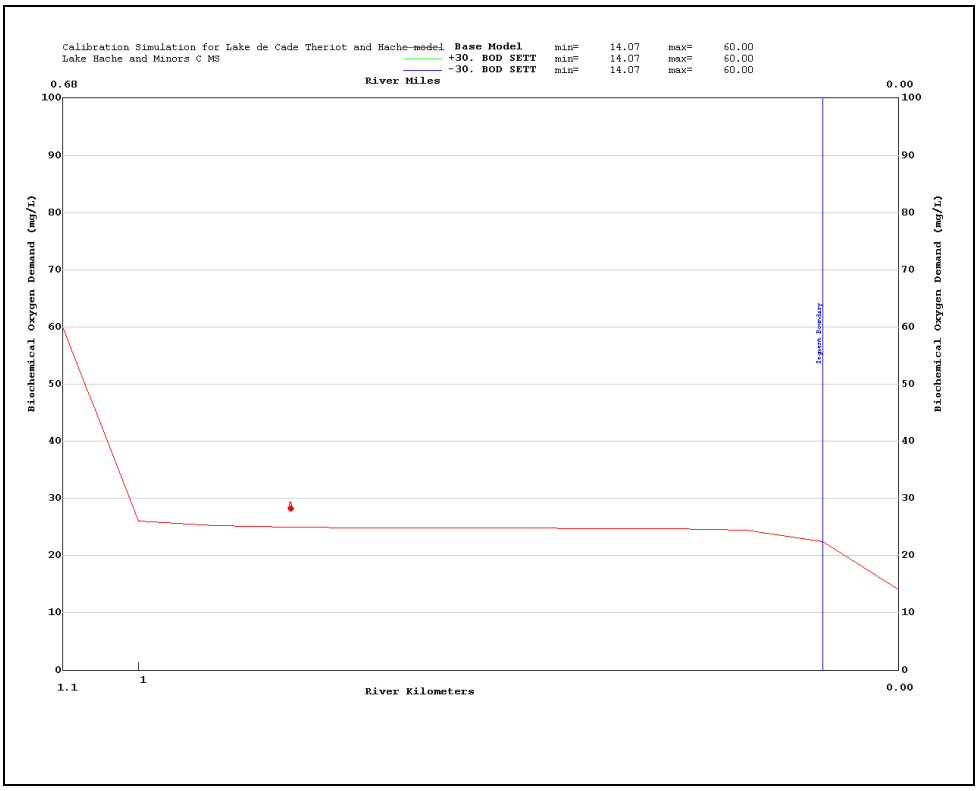


**Figure J-25. BOD sensitivity results (BOD settling rate) for Lake Hatch in subsegment 120405.**

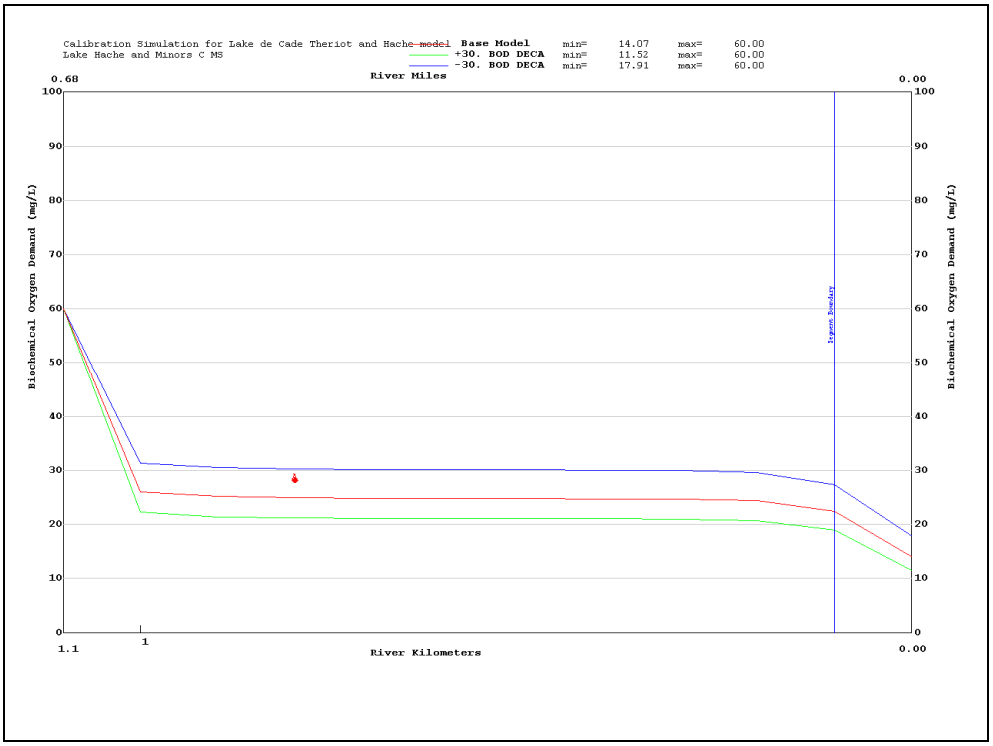


**Figure J-26. BOD sensitivity results (BOD aerobic decay rate) for Lake Hatch in subsegment 120405.**

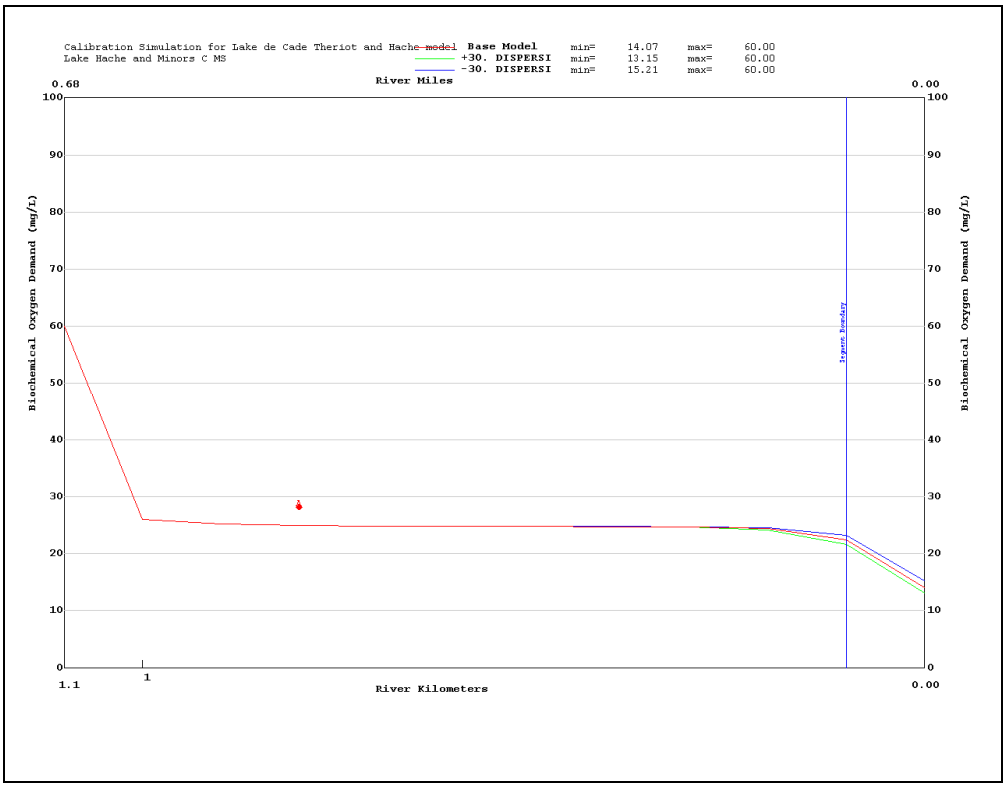


**Figure J-27. BOD sensitivity results (dispersion) for Lake Hatch in subsegment 120405.**

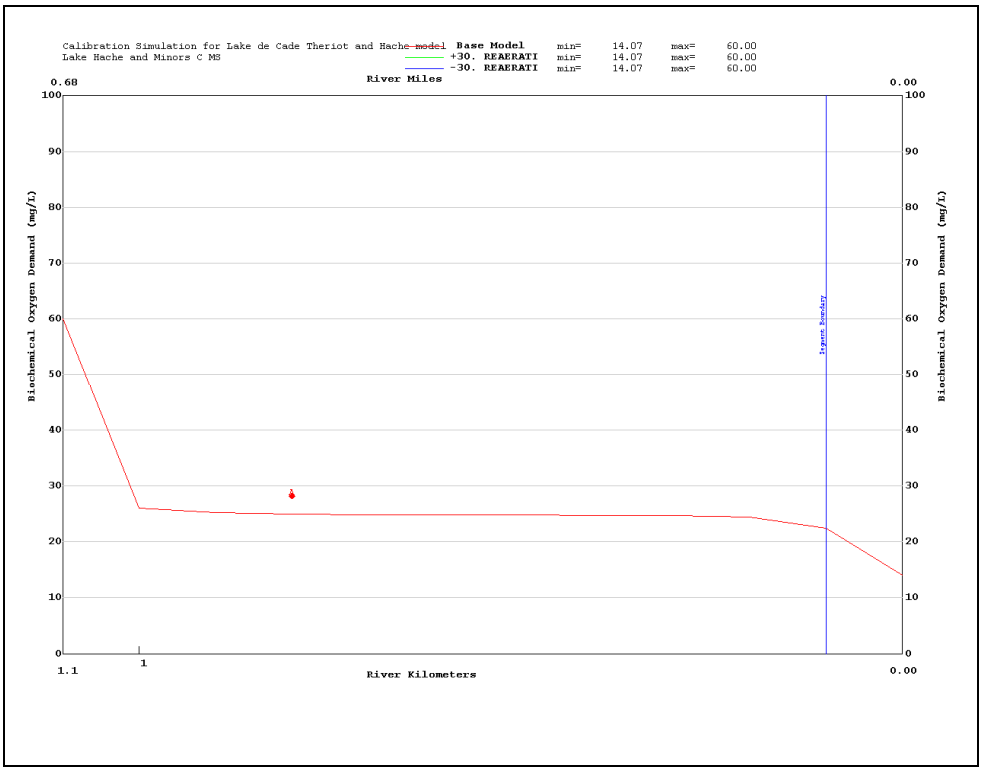


**Figure J-28. BOD sensitivity results (reaeration) for Lake Hatch in subsegment 120405.**

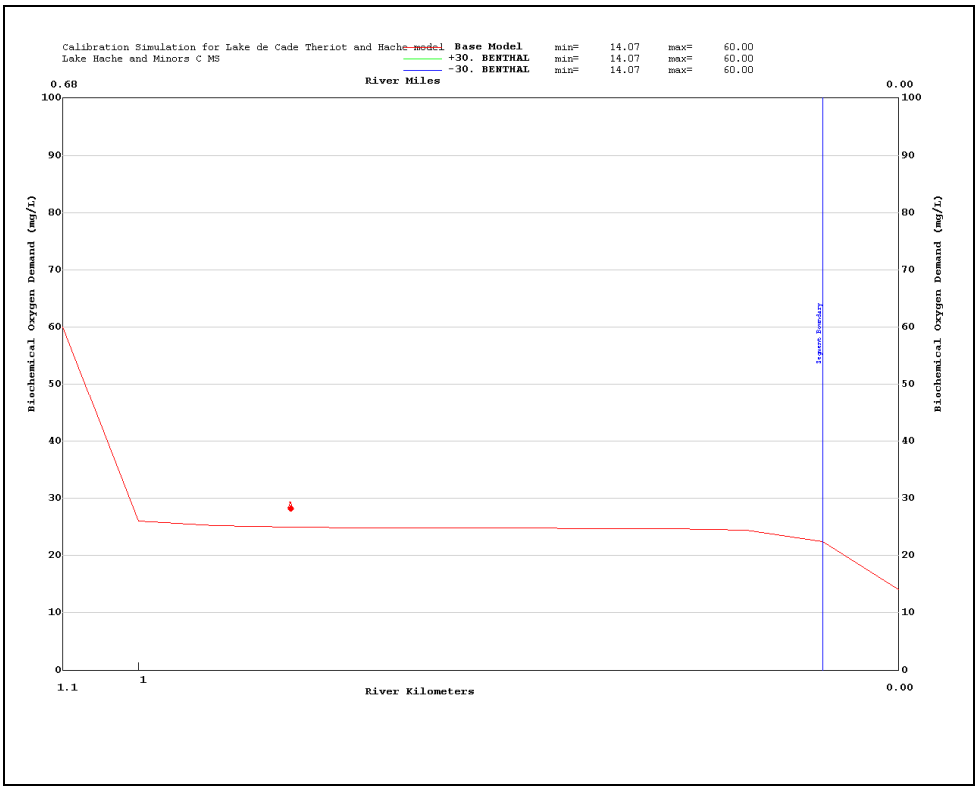


**Figure J-29. BOD sensitivity results (background SOD) for Lake Hatch in subsegment 120405.**

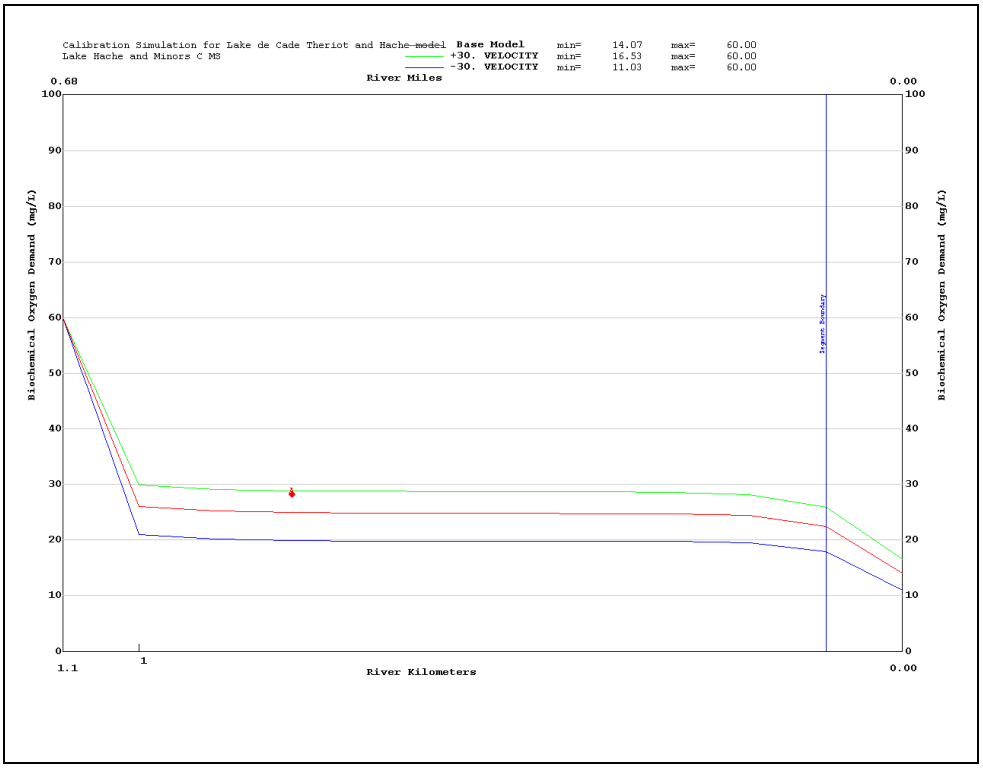


**Figure J-30. BOD sensitivity results (stream velocity) for Lake Hatch in subsegment 120405.**

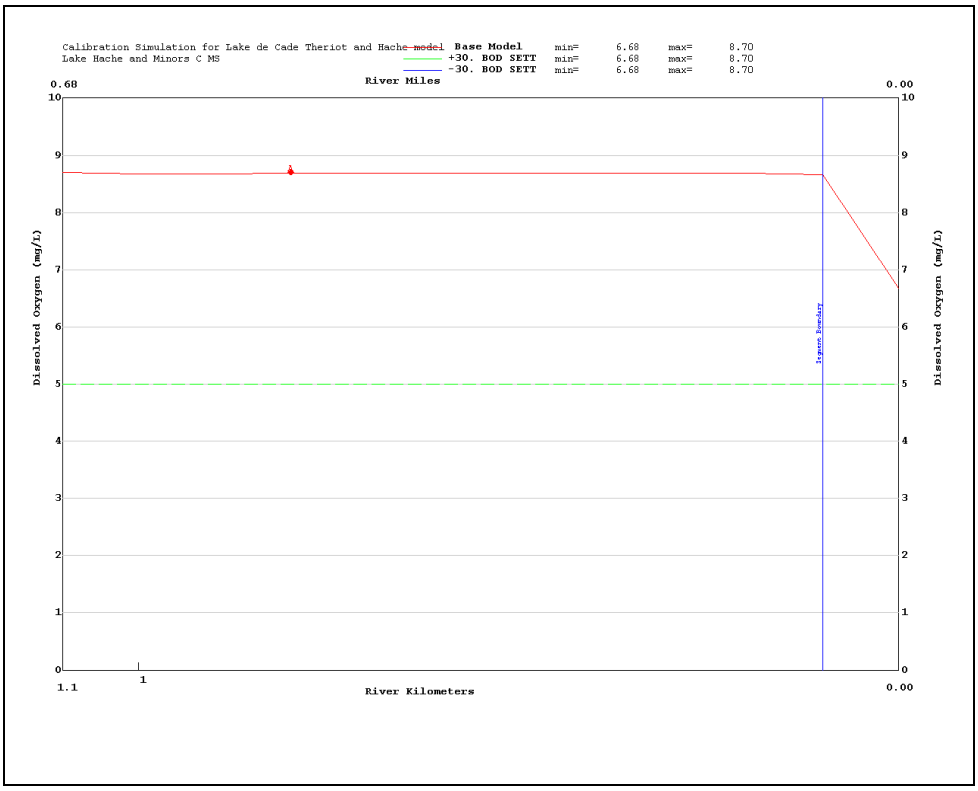


**Figure J-31. DO sensitivity results (BOD settling rate) for Lake Hatch in subsegment 120405.**

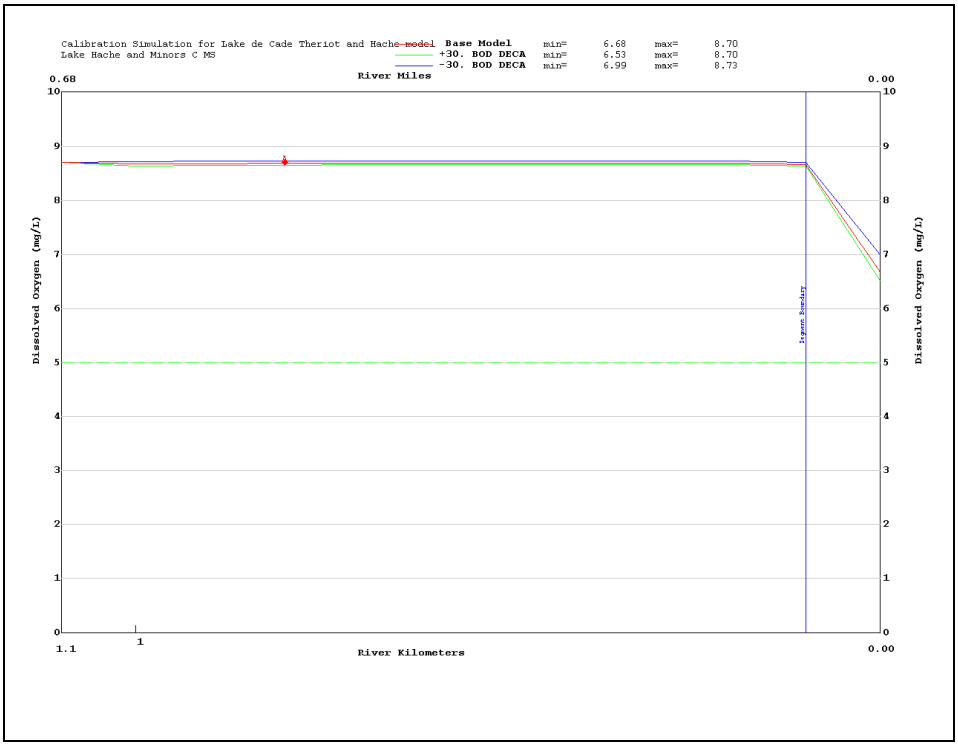


**Figure J-32. DO sensitivity results (BOD aerobic decay rate) for Lake Hatch in subsegment 120405.**

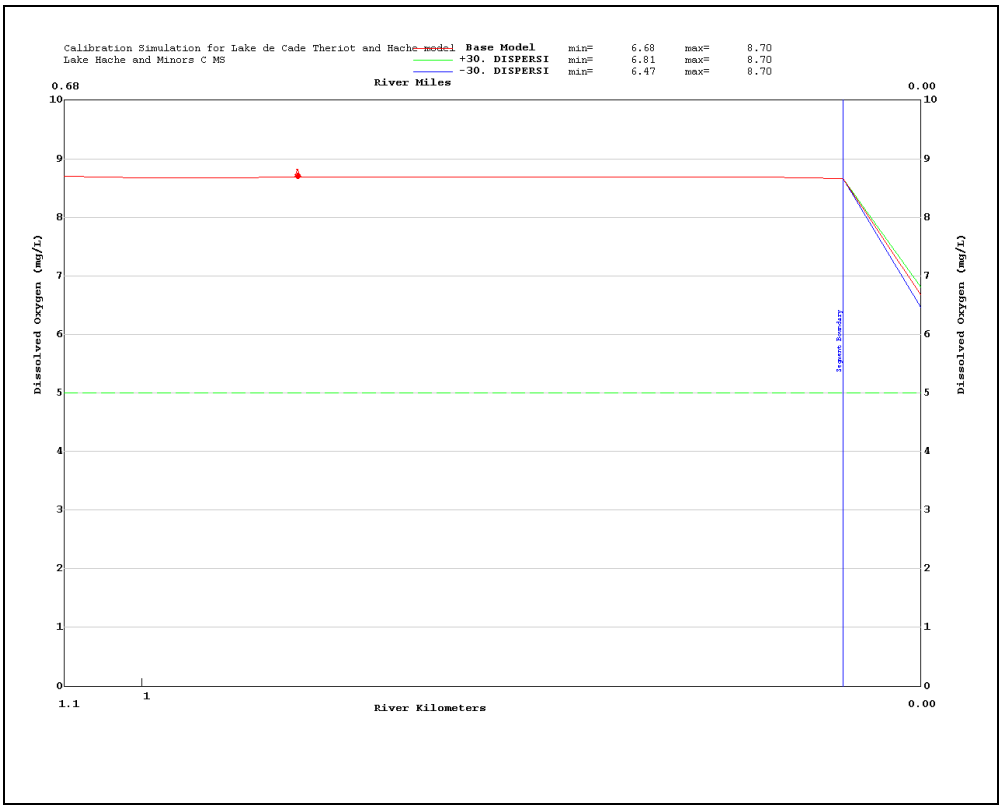


**Figure J-33. DO sensitivity results (dispersion) for Lake Hatch in subsegment 120405.**

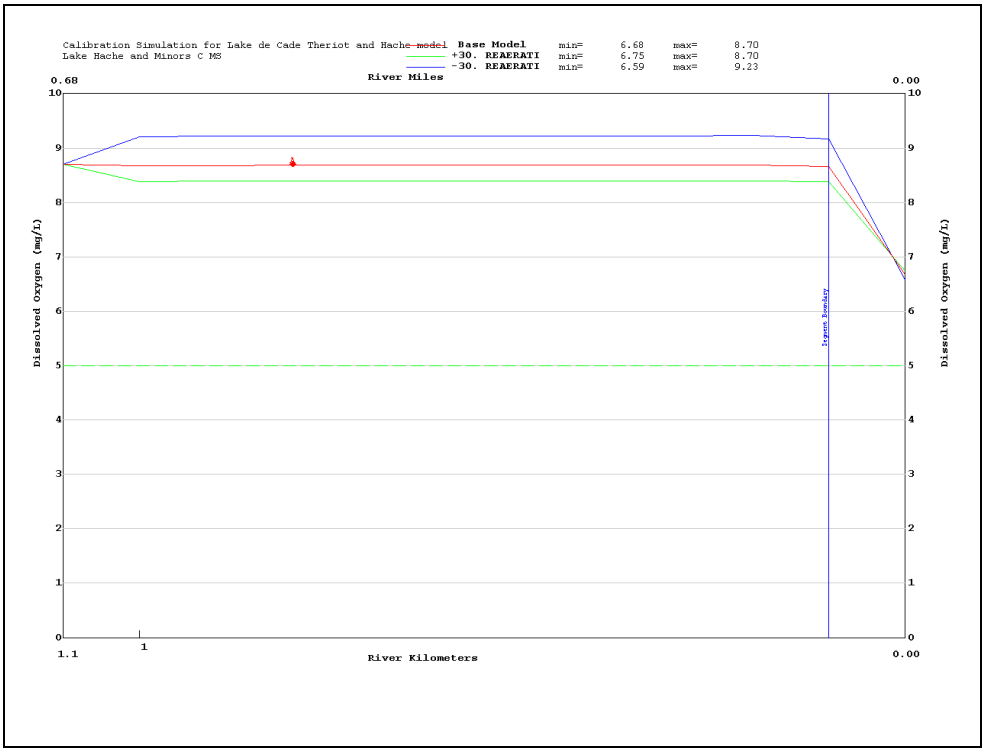


**Figure J-34. DO sensitivity results (reaeration) for Lake Hatch in subsegment 120405.**

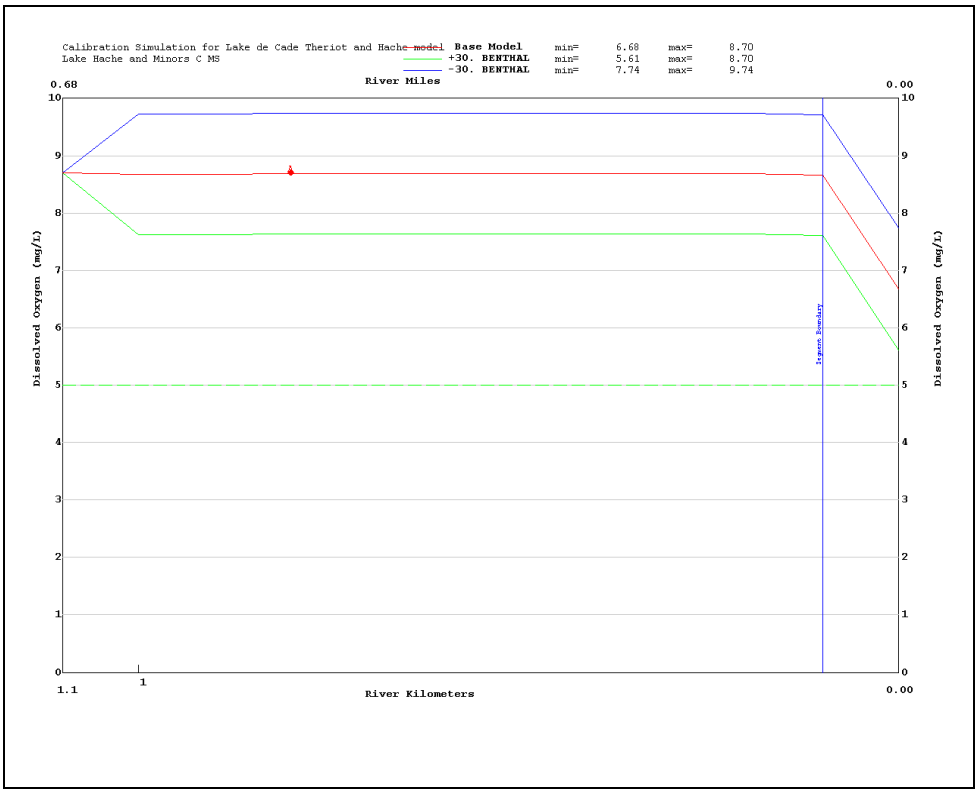


**Figure J-35. DO sensitivity results (background SOD) for Lake Hatch in subsegment 120405.**

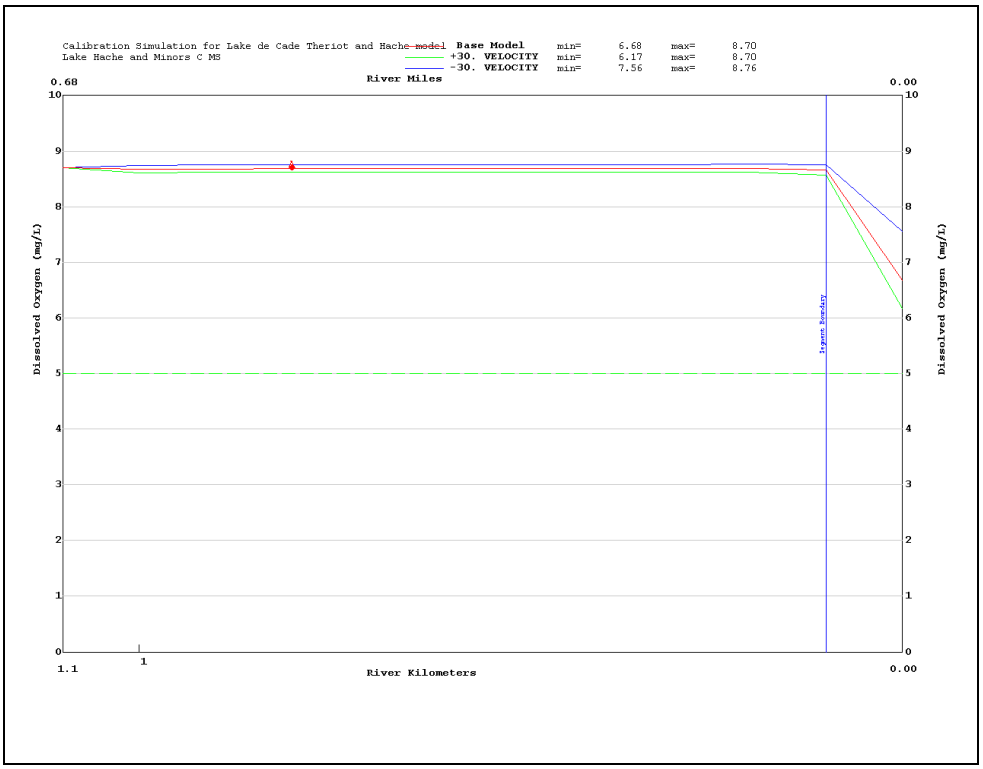


**Figure J-36. DO sensitivity results (stream velocity) for Lake Hatch in subsegment 120405.**

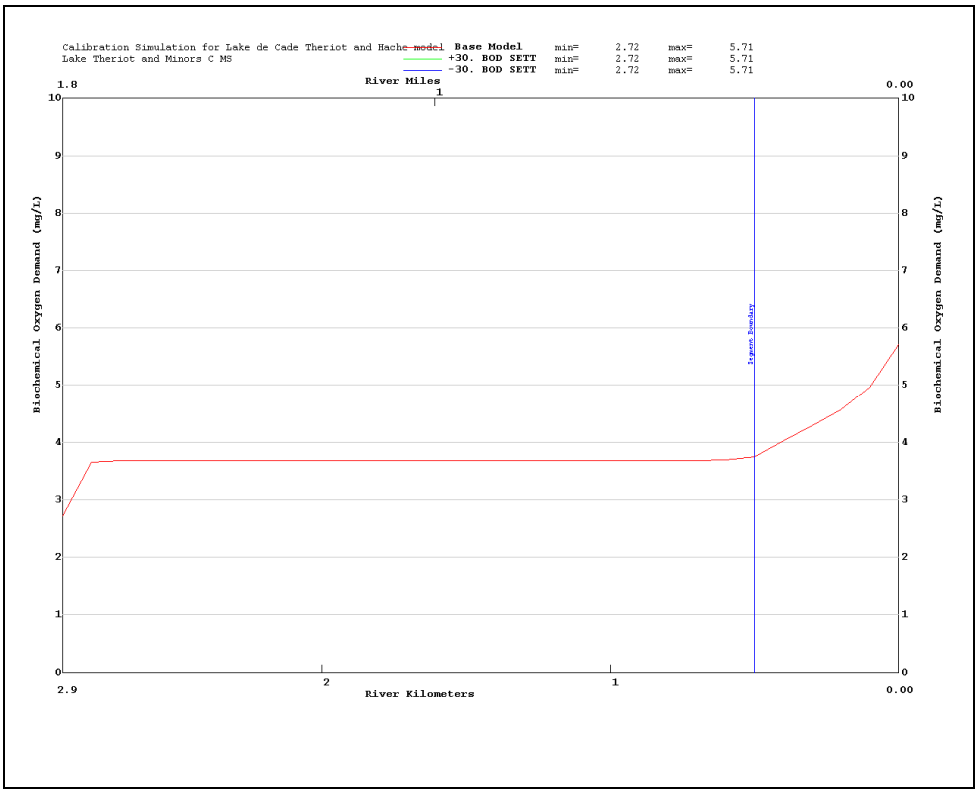


**Figure J-37. BOD sensitivity results (BOD settling rate) for Lake Theriot in subsegment 120405.**

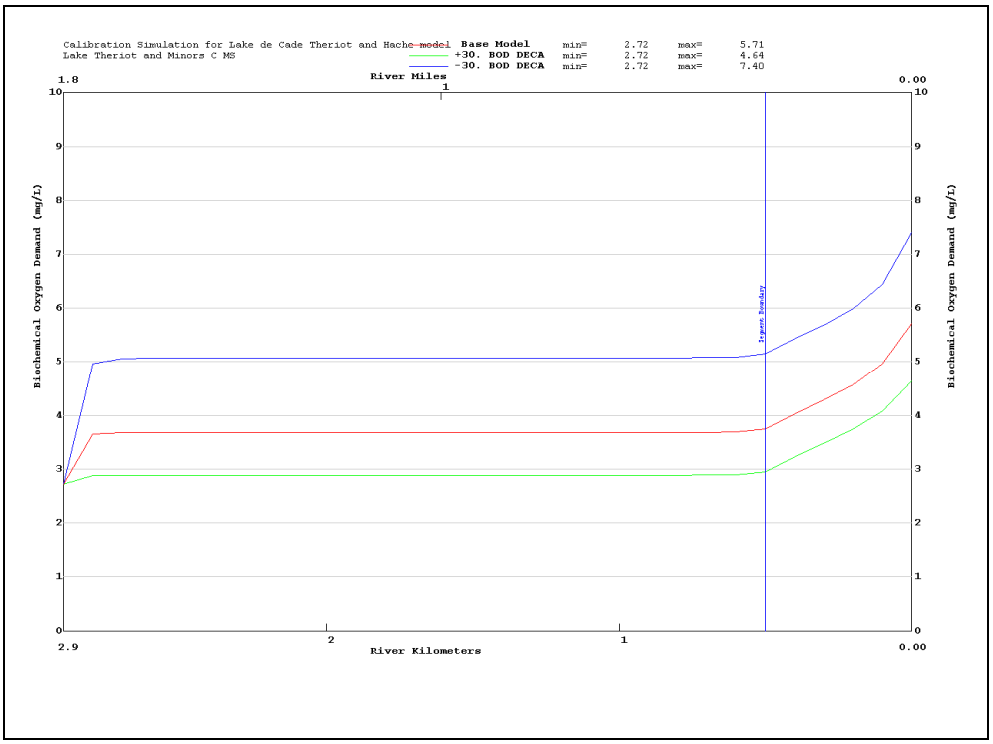


**Figure J-38. BOD sensitivity results (BOD aerobic decay rate) for Lake Theriot in subsegment 120405.**

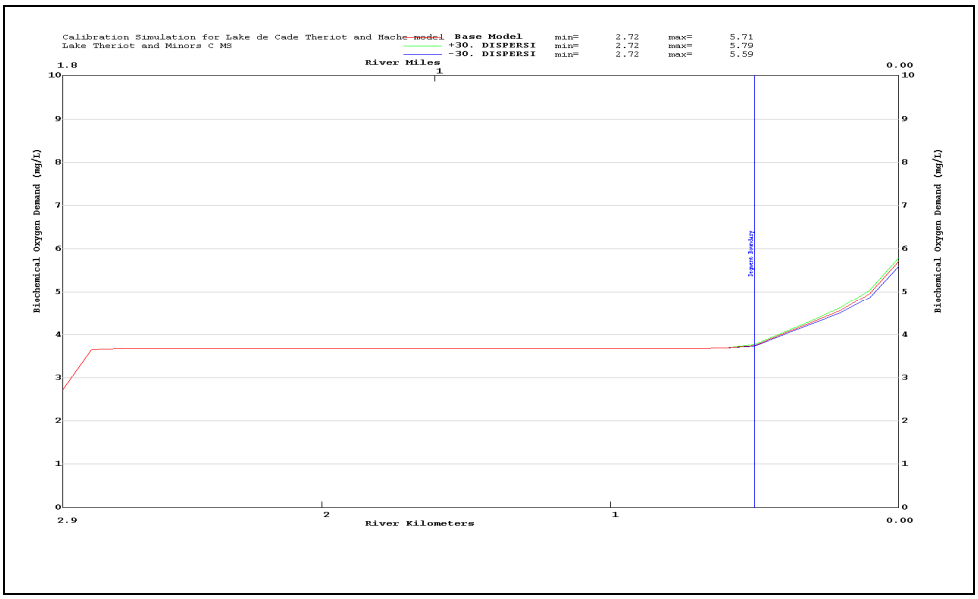


**Figure J-39. BOD sensitivity results (dispersion) for Lake Theriot in subsegment 120405.**

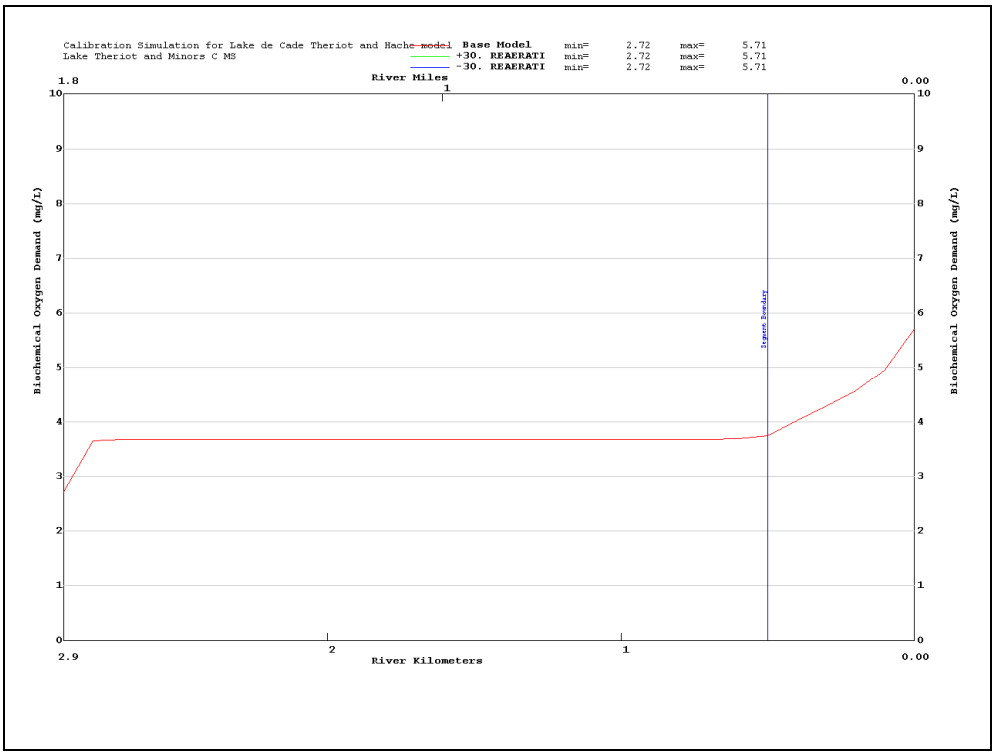


**Figure J-40. BOD sensitivity results (reaeration) for Lake Theriot in subsegment 120405.**

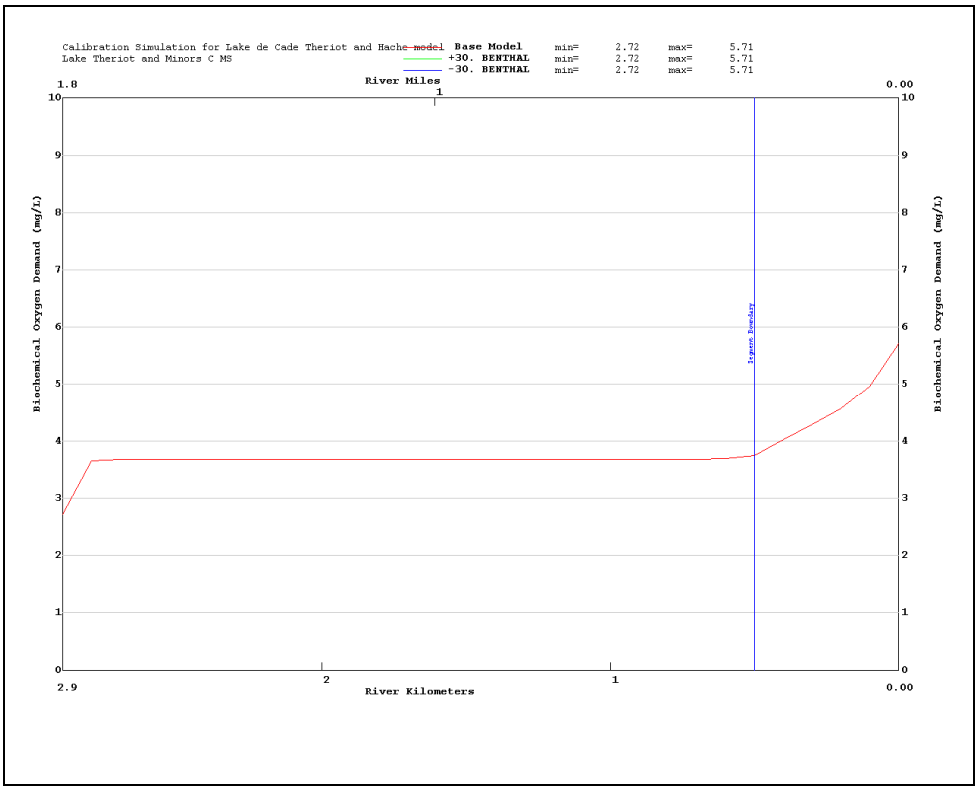


**Figure J-41. BOD sensitivity results (background SOD) for Lake Theriot in subsegment 120405.**

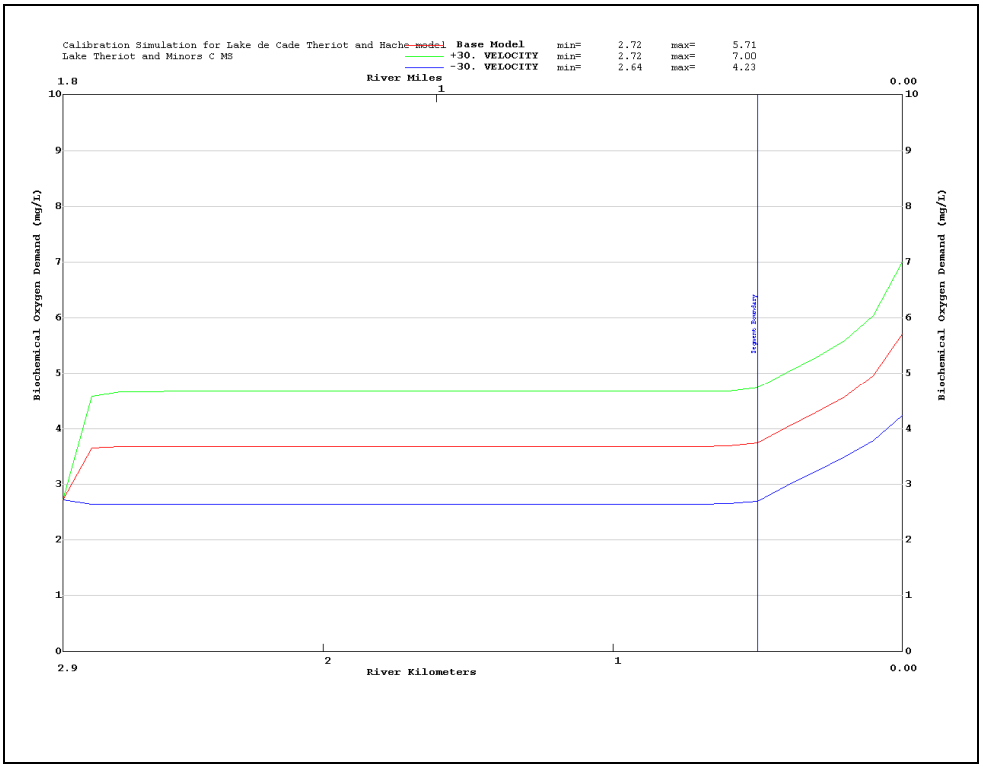


**Figure J-42. BOD sensitivity results (stream velocity) for Lake Theriot in subsegment 120405.**

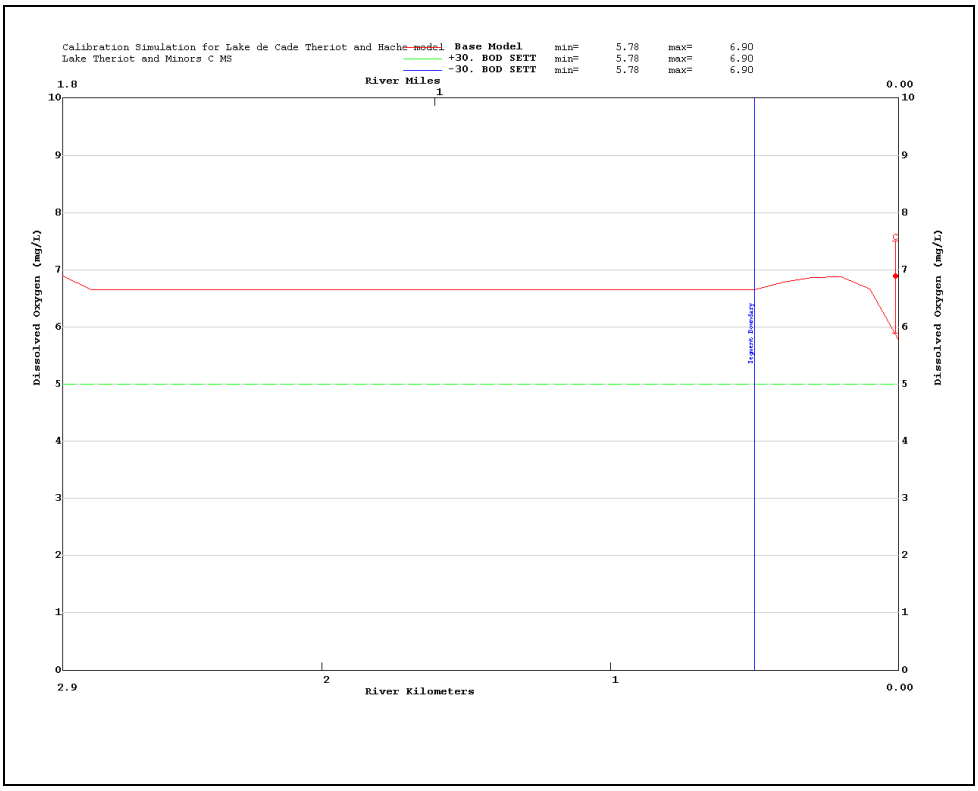


**Figure J-43. DO sensitivity results (BOD settling rate) for Lake Theriot in subsegment 120405.**

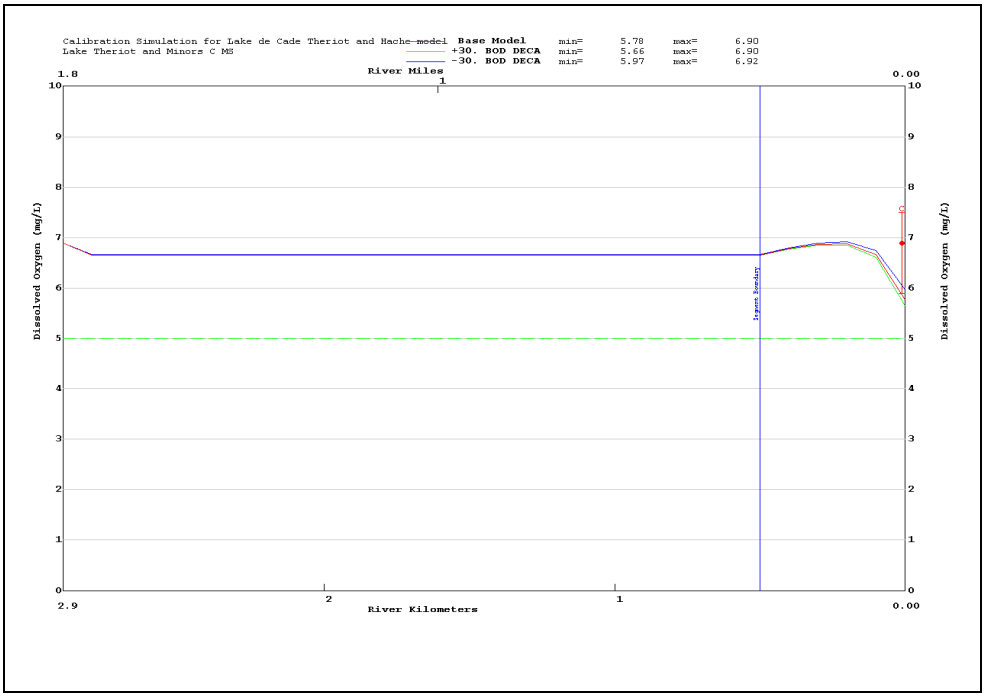


**Figure J-44. DO sensitivity results (BOD aerobic decay rate) for Lake Theriot in subsegment 120405.**

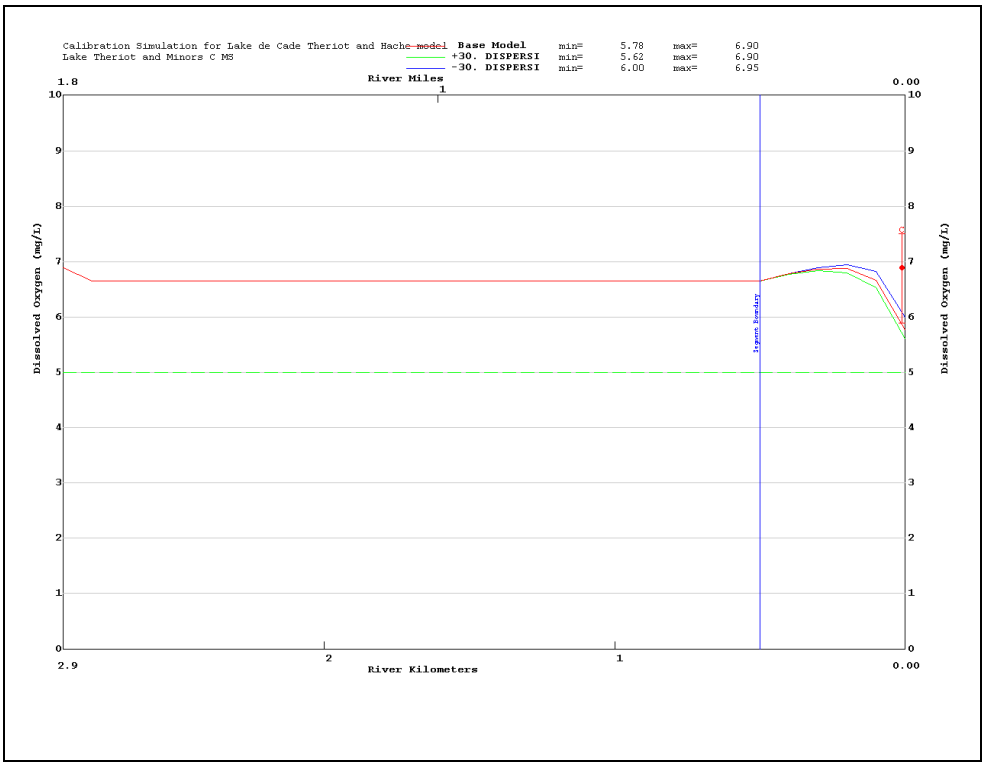


**Figure J-45. DO sensitivity results (dispersion) for Lake Theriot in subsegment 120405.**

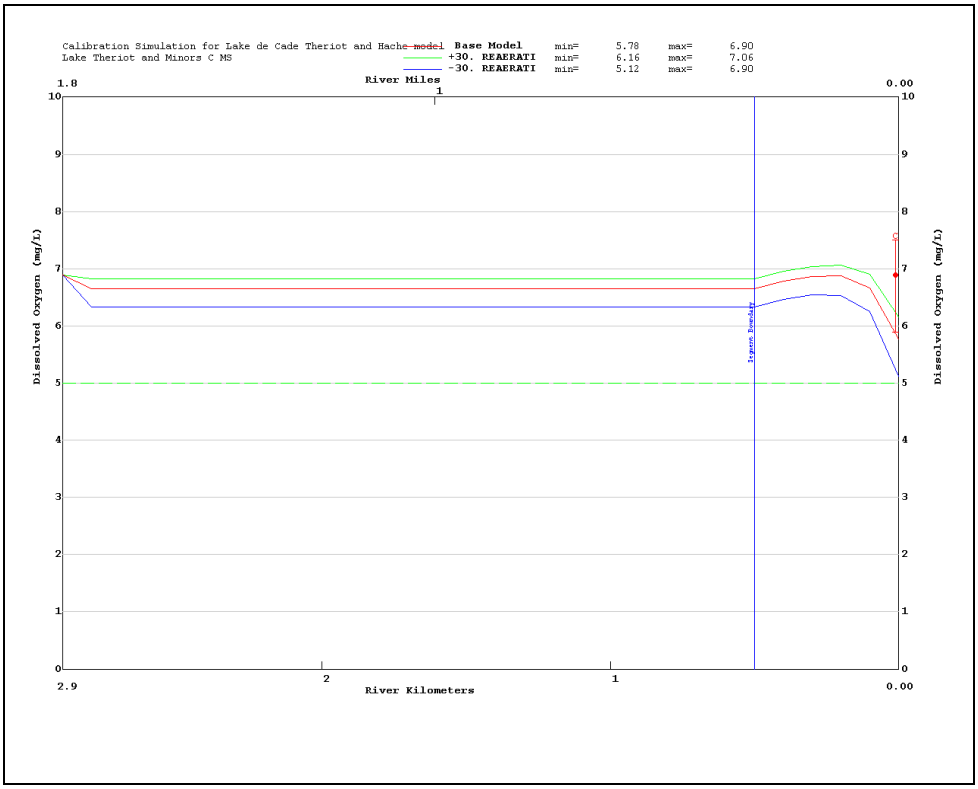


**Figure J-46. DO sensitivity results (reaeration) for Lake Theriot in subsegment 120405.**

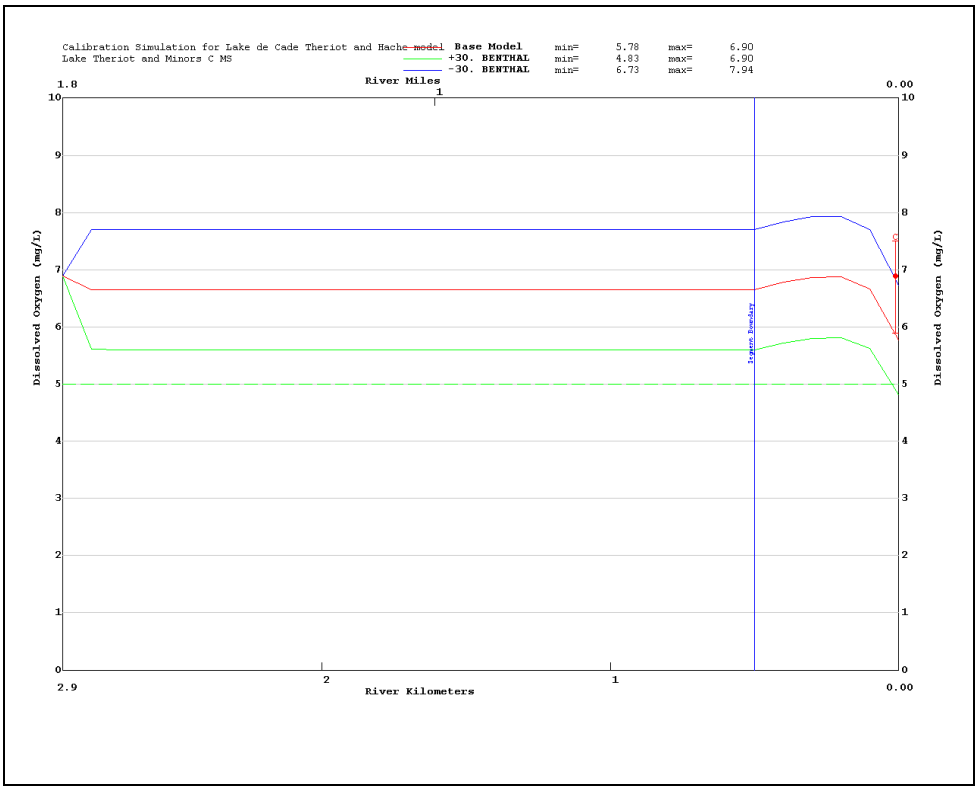


**Figure J-47. DO sensitivity results (background SOD) for Lake Theriot in subsegment 120405.**

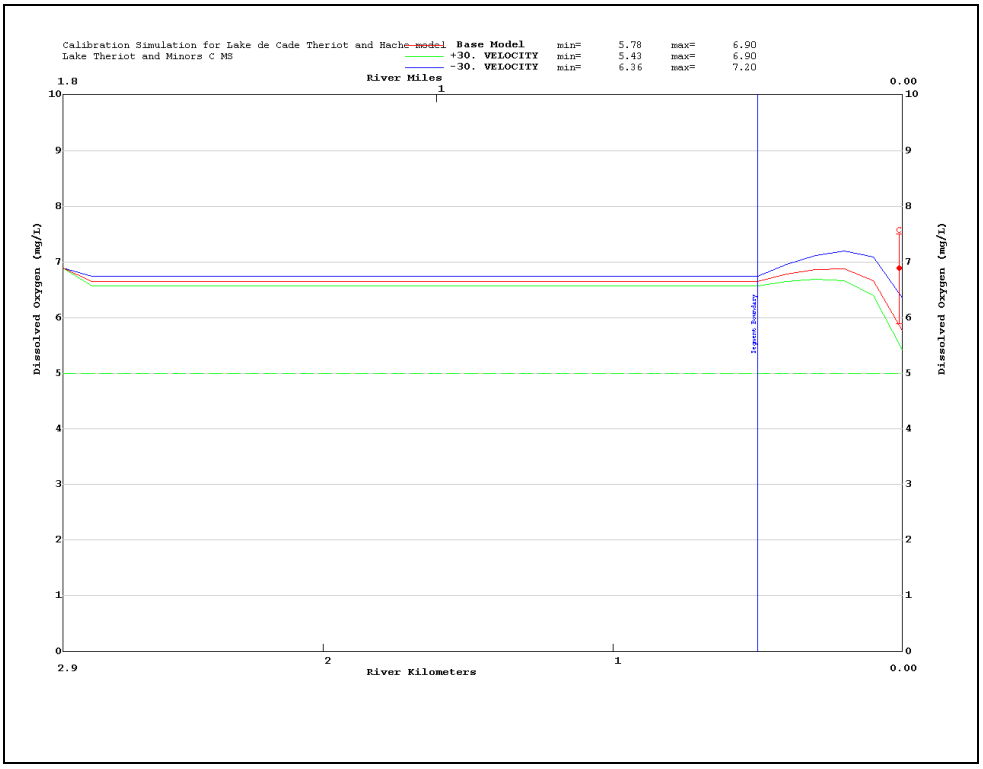


**Figure J-48. DO sensitivity results (stream velocity) for Lake Theriot in subsegment 120405.**

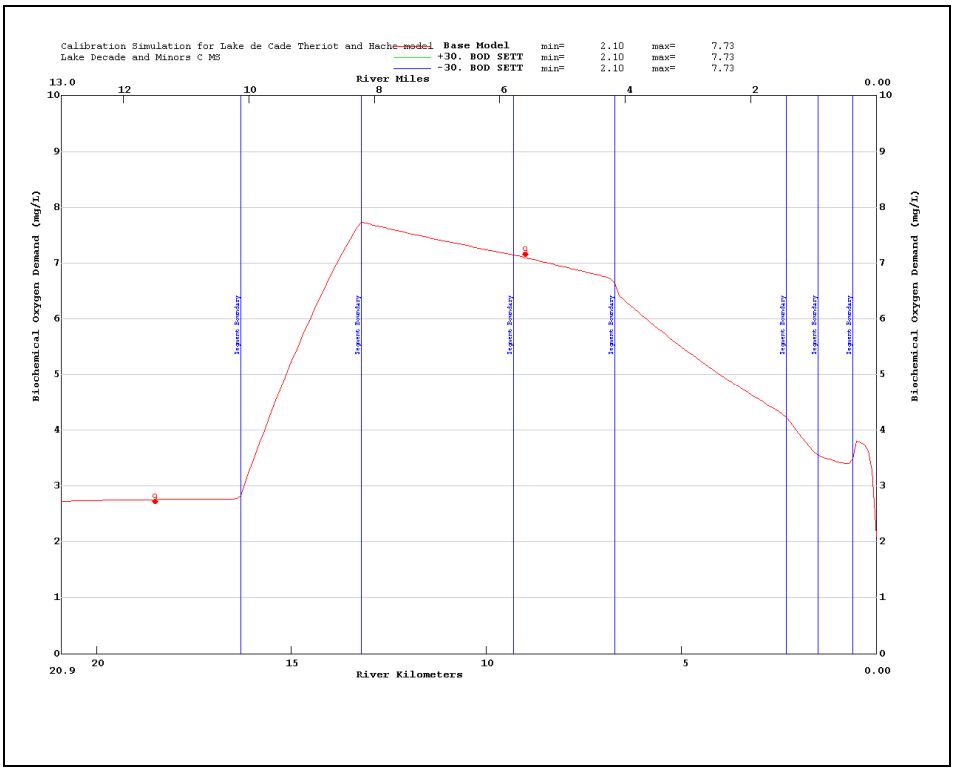


**Figure J-49. BOD sensitivity results (BOD settling rate) for Lake de Cade in subsegment 120406.**

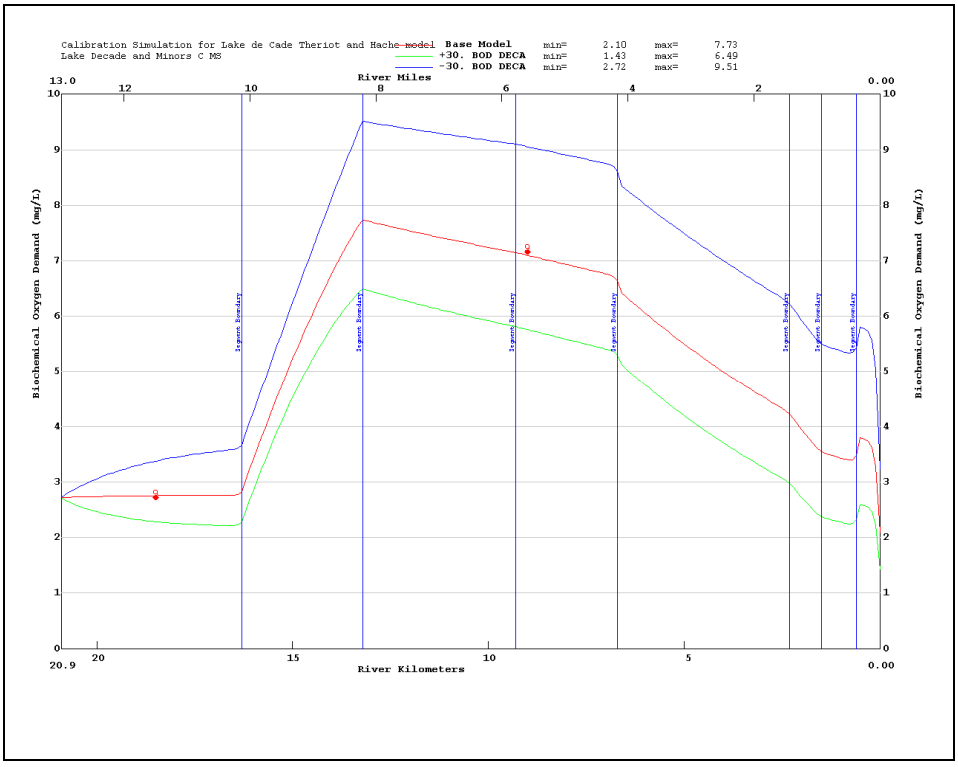


**Figure J-50. BOD sensitivity results (BOD aerobic decay rate) for Lake de Cade in subsegment 120406.**

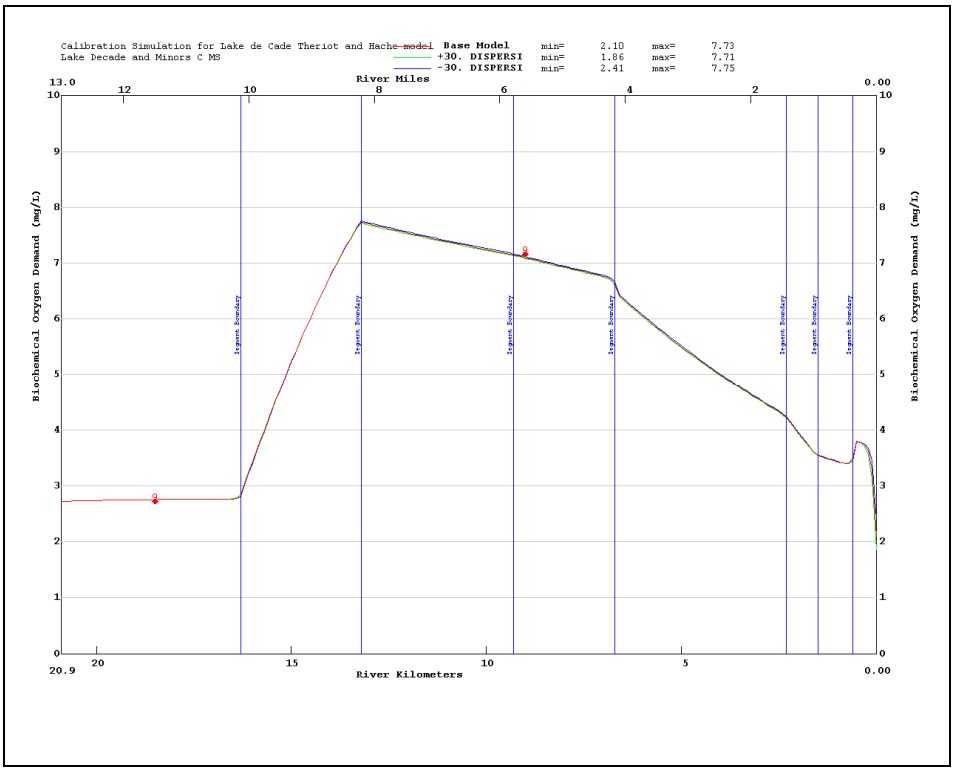


**Figure J-51. BOD sensitivity results (dispersion) for Lake de Cade in subsegment 120406.**

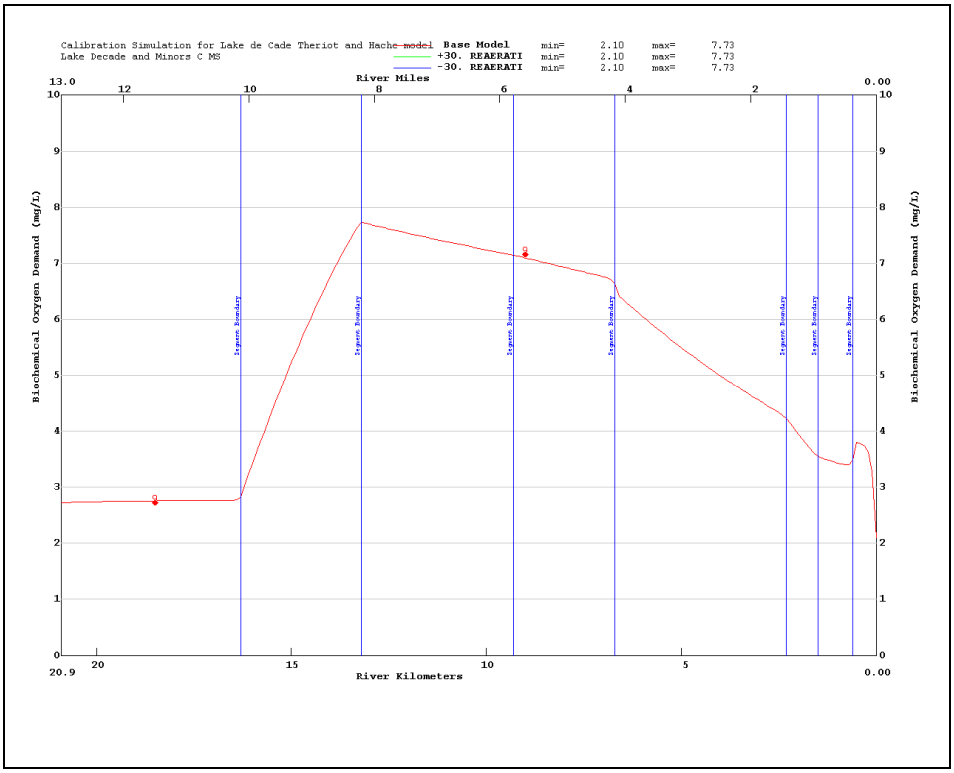


**Figure J-52. BOD sensitivity results (reaeration) for Lake de Cade in subsegment 120406.**

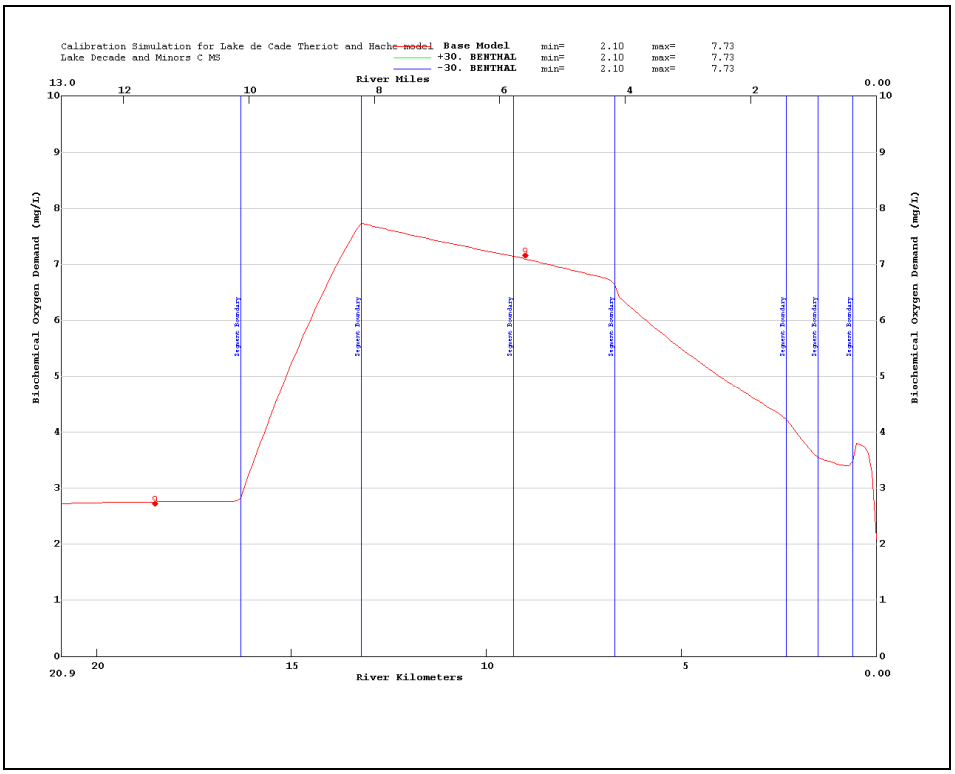


**Figure J-53. BOD sensitivity results (background SOD) for Lake de Cade in subsegment 120406.**

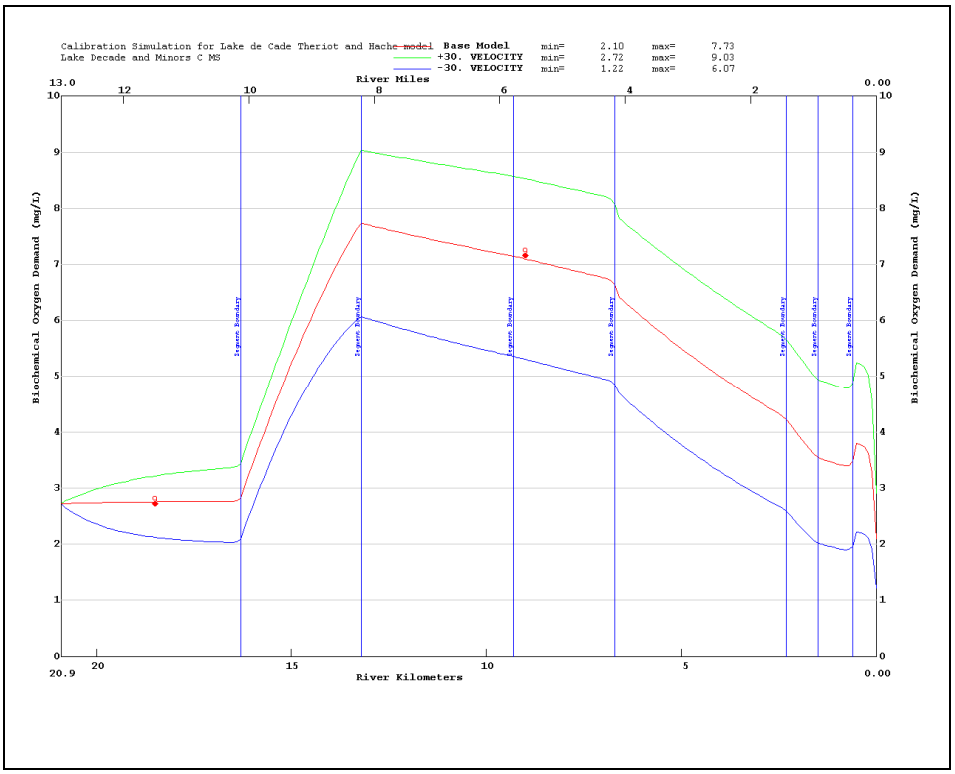


**Figure J-54. BOD sensitivity results (stream velocity) for Lake de Cade in subsegment 120406.**

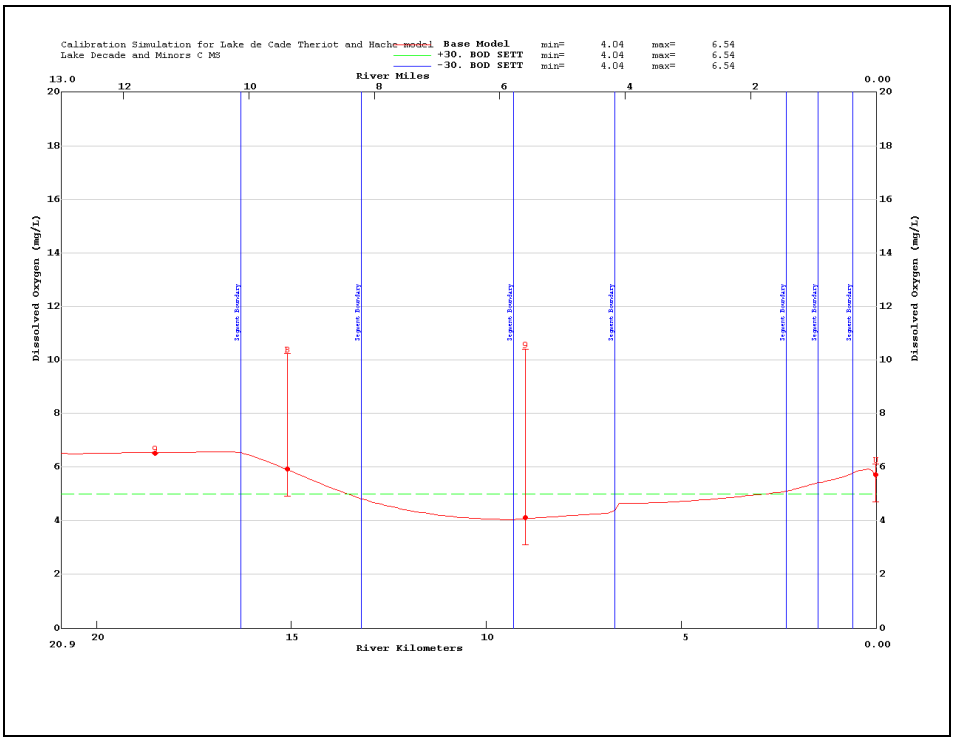


**Figure J-55. DO sensitivity results (BOD settling rate) for Lake de Cade in subsegment 120406.**

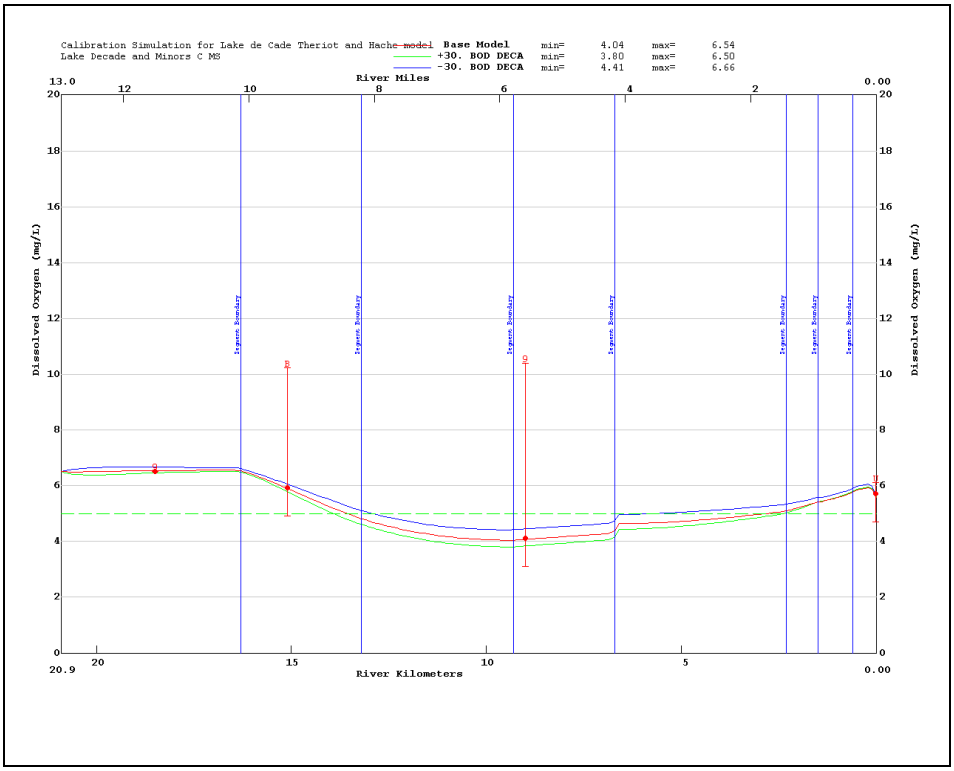


**Figure J-56. DO sensitivity results (BOD aerobic decay rate) for Lake de Cade in subsegment 120406.**

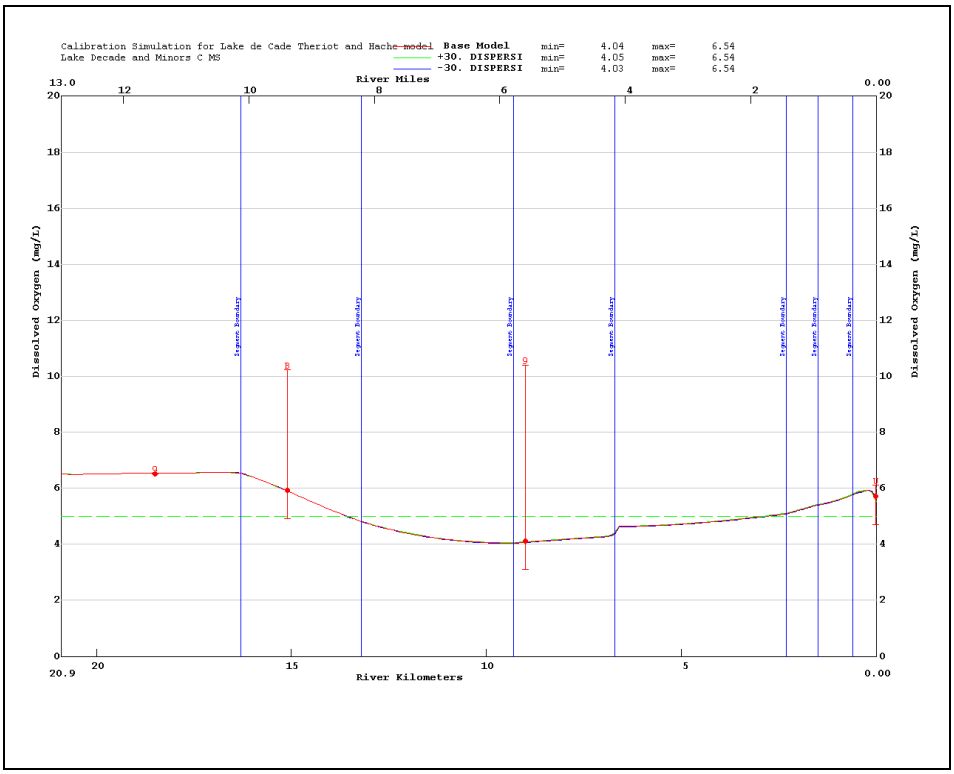


**Figure J-57. DO sensitivity results (dispersion) for Lake de Cade in subsegment 120406.**

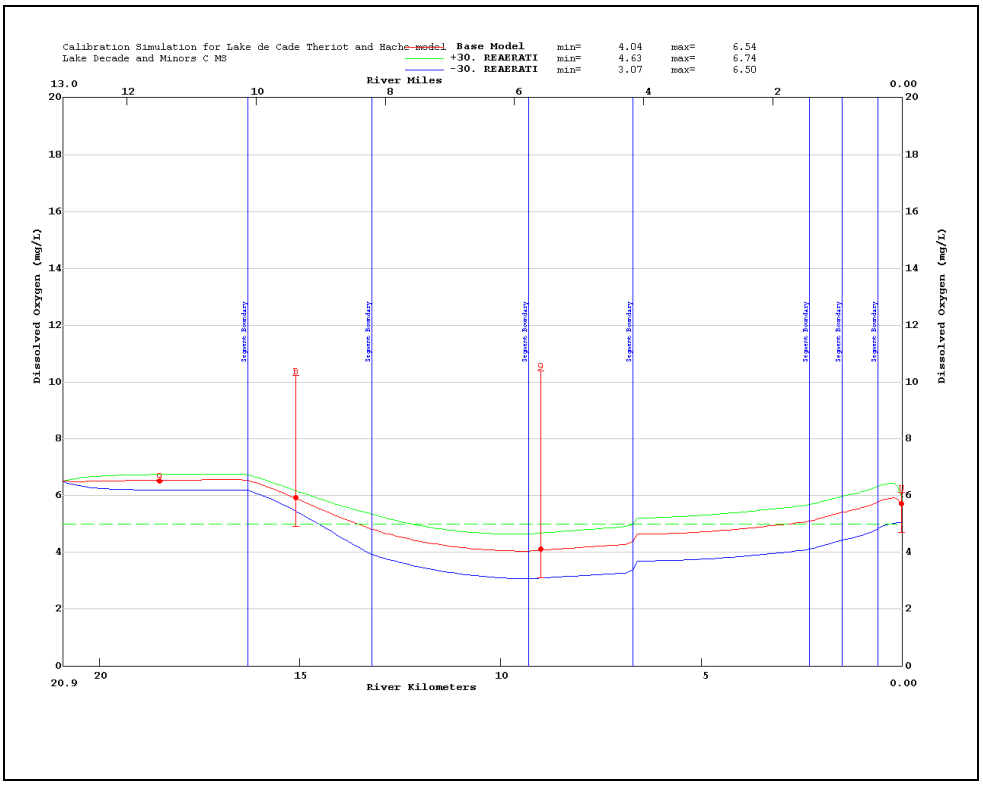


**Figure J-58. DO sensitivity results (reaeration) for Lake de Cade in subsegment 120406.**

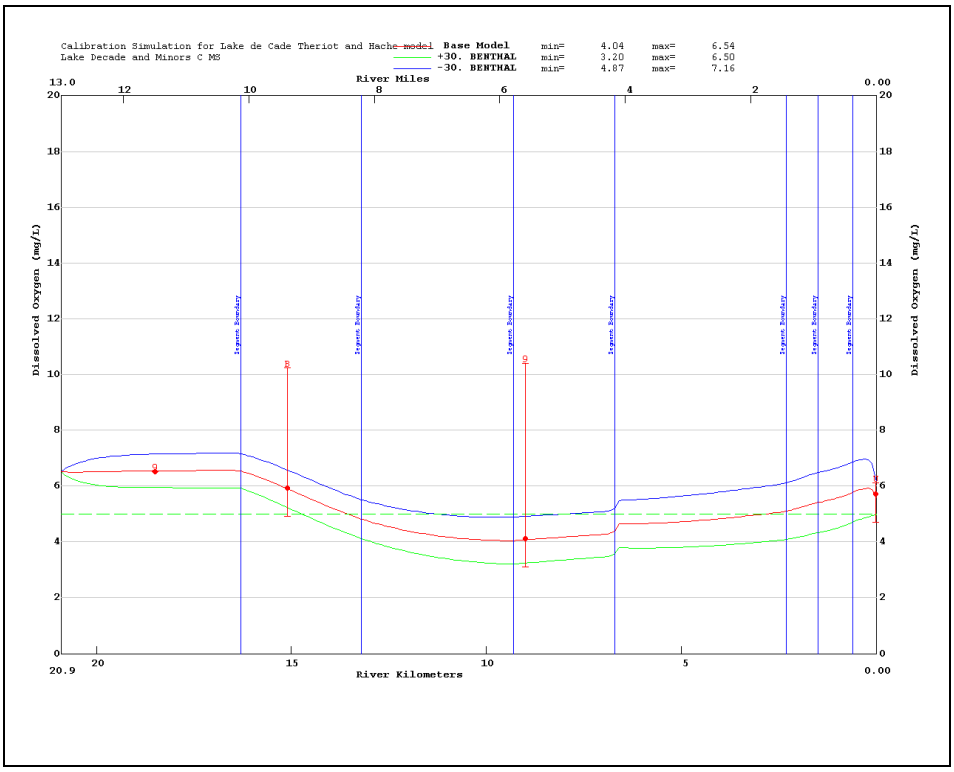


**Figure J-59. DO sensitivity results (background SOD) for Lake de Cade in subsegment 120406.**

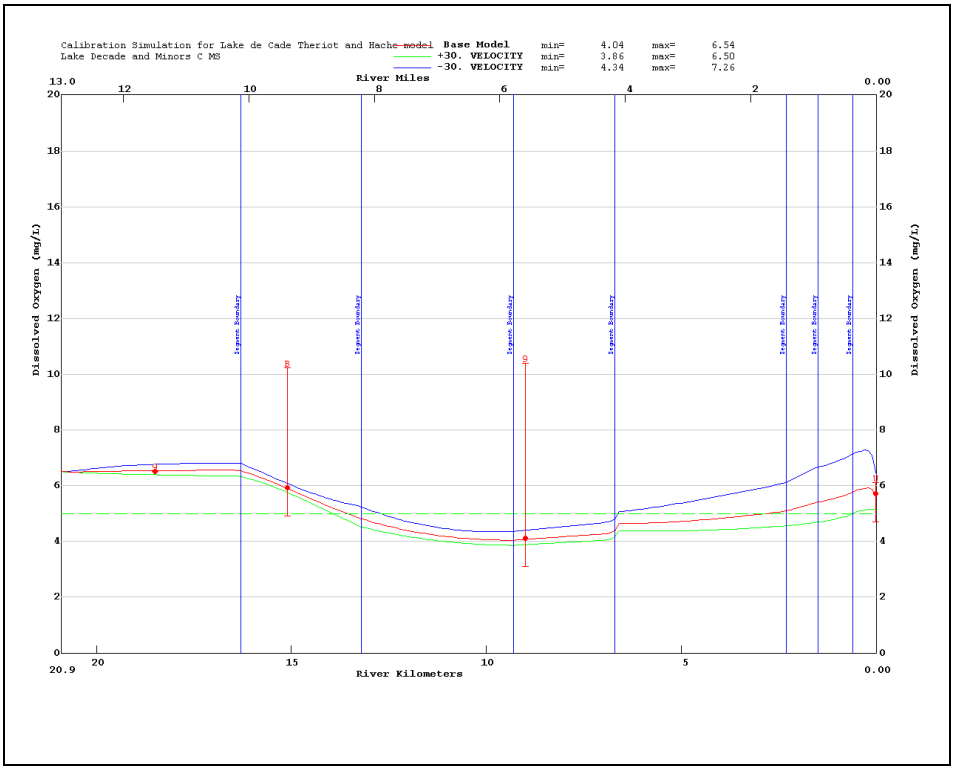


**Figure J-60. DO sensitivity results (stream velocity) for Lake de Cade in subsegment 120406.**

# APPENDIX K:
# AMMONIA TOXICITY CALCULATIONS

Table K-1. Ammonia toxicity results for subsegment 120401 ..... 1
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**Table K-1. Ammonia toxicity results for subsegment 120401**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 1 | 8.27 | 31.22 | 0.1 | 0.55 | No |
| 2 | 8.27 | 31.24 | 0.1 | 0.54 | No |
| 3 | 8.27 | 31.25 | 0.1 | 0.54 | No |
| 4 | 8.27 | 31.27 | 0.1 | 0.54 | No |
| 5 | 8.27 | 31.29 | 0.1 | 0.54 | No |
| 6 | 8.27 | 31.31 | 0.1 | 0.54 | No |
| 7 | 8.27 | 31.33 | 0.1 | 0.54 | No |
| 8 | 8.27 | 31.35 | 0.1 | 0.54 | No |
| 9 | 8.27 | 31.36 | 0.1 | 0.54 | No |
| 10 | 8.27 | 31.38 | 0.1 | 0.54 | No |
| 11 | 8.27 | 31.4 | 0.1 | 0.54 | No |
| 12 | 8.27 | 31.42 | 0.1 | 0.54 | No |
| 13 | 8.27 | 31.44 | 0.1 | 0.54 | No |
| 14 | 8.27 | 31.45 | 0.1 | 0.54 | No |
| 15 | 8.27 | 31.47 | 0.1 | 0.54 | No |
| 16 | 8.27 | 31.49 | 0.1 | 0.54 | No |
| 17 | 8.27 | 31.51 | 0.1 | 0.54 | No |
| 18 | 8.27 | 31.53 | 0.1 | 0.53 | No |
| 19 | 8.27 | 31.55 | 0.1 | 0.53 | No |
| 20 | 8.27 | 31.56 | 0.1 | 0.53 | No |
| 21 | 8.27 | 31.58 | 0.1 | 0.53 | No |
| 22 | 8.27 | 31.6 | 0.1 | 0.53 | No |
| 23 | 8.27 | 31.62 | 0.1 | 0.53 | No |
| 24 | 8.27 | 31.64 | 0.1 | 0.53 | No |
| lol25 | 8.27 | 31.65 | 0.1 | 0.53 | No |
| 26 | 8.27 | 31.67 | 0.1 | 0.53 | No |
| 27 | 8.27 | 31.69 | 0.1 | 0.53 | No |
| 28 | 8.27 | 31.71 | 0.1 | 0.53 | No |
| 29 | 8.27 | 31.73 | 0.1 | 0.53 | No |
| 30 | 8.27 | 31.75 | 0.1 | 0.53 | No |
| 31 | 8.27 | 31.76 | 0.1 | 0.53 | No |
| 32 | 8.27 | 31.78 | 0.1 | 0.53 | No |
| 33 | 8.27 | 31.8 | 0.1 | 0.53 | No |
| 34 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 35 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 36 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 37 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 38 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 39 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 40 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 41 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 42 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 43 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 44 | 8.55 | 31.8 | 0.1 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 45 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 46 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 47 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 48 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 49 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 50 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 51 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 52 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 53 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 54 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 55 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 56 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 57 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 58 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 59 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 60 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 61 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 62 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 63 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 64 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 65 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 66 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 67 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 68 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 69 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 70 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 71 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 72 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 73 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 74 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 75 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 76 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 77 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 78 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 79 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 80 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 81 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 82 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 83 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 84 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 85 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 86 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 87 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 88 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 89 | 8.55 | 31.8 | 0.1 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 90 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 91 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 92 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 93 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 94 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 95 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 96 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 97 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 98 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 99 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 100 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 101 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 102 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 103 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 104 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 105 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 106 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 107 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 108 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 109 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 110 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 111 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 112 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 113 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 114 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 115 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 116 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 117 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 118 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 119 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 120 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 121 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 122 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 123 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 124 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 125 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 126 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 127 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 128 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 129 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 130 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 131 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 132 | 8.55 | 31.8 | 0.11 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 133 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 134 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 135 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 136 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 137 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 138 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 139 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 140 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 141 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 142 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 143 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 144 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 145 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 146 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 147 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 148 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 149 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 150 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 151 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 152 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 153 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 154 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 155 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 156 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 157 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 158 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 159 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 160 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 161 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 162 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 163 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 164 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 165 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 166 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 167 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 168 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 169 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 170 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 171 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 172 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 173 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 174 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 175 | 8.55 | 31.8 | 0.11 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 176 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 177 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 178 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 179 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 180 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 181 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 182 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 183 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 184 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 185 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 186 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 187 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 188 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 189 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 190 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 191 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 192 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 193 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 194 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 195 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 196 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 197 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 198 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 199 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 200 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 201 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 202 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 203 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 204 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 205 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 206 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 207 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 208 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 209 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 210 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 211 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 212 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 213 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 214 | 8.55 | 31.8 | 0.1 | 0.33 | No |
| 215 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 216 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 217 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 218 | 8.55 | 31.8 | 0.11 | 0.33 | No |

**Table K-1. (Continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 219 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 220 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 221 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 222 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 223 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 224 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 225 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 226 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 227 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 228 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 229 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 230 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 231 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 232 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 233 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 234 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 235 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 236 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 237 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 238 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 239 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 240 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 241 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 242 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 243 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 244 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 245 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 246 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 247 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 248 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 249 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 250 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 251 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 252 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 253 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 254 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 255 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 256 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 257 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 258 | 8.55 | 31.8 | 0.11 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 259 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 260 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 261 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 262 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 263 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 264 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 265 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 266 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 267 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 268 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 269 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 270 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 271 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 272 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 273 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 274 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 275 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 276 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 277 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 278 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 279 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 280 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 281 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 282 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 283 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 284 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 285 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 286 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 287 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 288 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 289 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 290 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 291 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 292 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 293 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 294 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 295 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 296 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 297 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 298 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 299 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 300 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 301 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 302 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 303 | 8.55 | 31.8 | 0.11 | 0.33 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 304 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 305 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 306 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 307 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 308 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 309 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 310 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 311 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 312 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 313 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 314 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 315 | 8.55 | 31.8 | 0.11 | 0.33 | No |
| 316 | 8.55 | 31.82 | 0.11 | 0.33 | No |
| 317 | 8.55 | 31.83 | 0.11 | 0.33 | No |
| 318 | 8.55 | 31.85 | 0.11 | 0.33 | No |
| 319 | 8.55 | 31.87 | 0.11 | 0.33 | No |
| 320 | 8.55 | 31.88 | 0.11 | 0.33 | No |
| 321 | 8.55 | 31.9 | 0.11 | 0.33 | No |
| 322 | 8.55 | 31.92 | 0.11 | 0.33 | No |
| 323 | 8.55 | 31.93 | 0.11 | 0.33 | No |
| 324 | 8.55 | 31.95 | 0.11 | 0.33 | No |
| 325 | 8.55 | 31.97 | 0.11 | 0.32 | No |
| 326 | 8.55 | 31.98 | 0.11 | 0.32 | No |
| 327 | 8.55 | 32 | 0.11 | 0.32 | No |
| 328 | 8.55 | 32.02 | 0.11 | 0.32 | No |
| 329 | 8.55 | 32.03 | 0.11 | 0.32 | No |
| 330 | 8.55 | 32.05 | 0.11 | 0.32 | No |
| 331 | 8.55 | 32.07 | 0.11 | 0.32 | No |
| 332 | 8.55 | 32.08 | 0.11 | 0.32 | No |
| 333 | 8.55 | 32.1 | 0.11 | 0.32 | No |
| 334 | 8.55 | 32.12 | 0.11 | 0.32 | No |
| 335 | 8.55 | 32.13 | 0.11 | 0.32 | No |
| 336 | 8.55 | 32.15 | 0.11 | 0.32 | No |
| 337 | 8.55 | 32.17 | 0.11 | 0.32 | No |
| 338 | 8.55 | 32.18 | 0.11 | 0.32 | No |
| 339 | 8.55 | 32.2 | 0.11 | 0.32 | No |
| 340 | 8.55 | 32.22 | 0.11 | 0.32 | No |
| 341 | 8.55 | 32.23 | 0.11 | 0.32 | No |
| 342 | 8.55 | 32.25 | 0.11 | 0.32 | No |
| 343 | 8.55 | 32.27 | 0.11 | 0.32 | No |
| 344 | 8.55 | 32.28 | 0.11 | 0.32 | No |
| 345 | 8.55 | 32.3 | 0.11 | 0.32 | No |
| 399 | 7.3 | 31.5 | 0.15 | 1.70 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 400 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 401 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 402 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 403 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 404 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 405 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 406 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 407 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 408 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 409 | 7.3 | 31.5 | 0.15 | 1.70 | No |
| 410 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 411 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 412 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 413 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 414 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 415 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 416 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 417 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 418 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 419 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 420 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 421 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 422 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 423 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 424 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 425 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 426 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 427 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 428 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 429 | 7.3 | 31.5 | 0.14 | 1.70 | No |
| 430 | 7.3 | 31.5 | 0.13 | 1.70 | No |
| 431 | 7.3 | 31.5 | 0.09 | 1.70 | No |
| 432 | 7.3 | 31.5 | 0.1 | 1.70 | No |
| 433 | 7.3 | 31.57 | 0.1 | 1.69 | No |
| 434 | 7.3 | 31.63 | 0.1 | 1.68 | No |
| 435 | 7.3 | 31.7 | 0.1 | 1.68 | No |
| 436 | 7.3 | 31.77 | 0.1 | 1.67 | No |
| 437 | 7.3 | 31.83 | 0.1 | 1.66 | No |
| 438 | 7.3 | 31.9 | 0.1 | 1.66 | No |
| 439 | 7.3 | 31.97 | 0.1 | 1.65 | No |
| 440 | 7.3 | 32.03 | 0.1 | 1.64 | No |
| 441 | 7.3 | 32.1 | 0.1 | 1.63 | No |
| 442 | 7.3 | 32.17 | 0.1 | 1.63 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 443 | 7.3 | 32.23 | 0.1 | 1.62 | No |
| 444 | 7.3 | 32.3 | 0.1 | 1.61 | No |
| 445 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 446 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 447 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 448 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 449 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 450 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 451 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 452 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 453 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 454 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 455 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 456 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 457 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 458 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 459 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 460 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 461 | 7.37 | 32.3 | 0.11 | 1.54 | No |
| 462 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 463 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 464 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 465 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 466 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 467 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 468 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 469 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 470 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 471 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 472 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 473 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 474 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 475 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 476 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 477 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 478 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 479 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 480 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 481 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 482 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 483 | 7.37 | 32.3 | 0.12 | 1.54 | No |
| 484 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 485 | 7.37 | 32.3 | 0.13 | 1.54 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 486 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 487 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 488 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 489 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 490 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 491 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 492 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 493 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 494 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 495 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 496 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 497 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 498 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 499 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 500 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 501 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 502 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 503 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 504 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 505 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 506 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 507 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 508 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 509 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 510 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 511 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 512 | 7.37 | 32.3 | 0.13 | 1.54 | No |
| 513 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 514 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 515 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 516 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 517 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 518 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 519 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 520 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 521 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 522 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 523 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 524 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 525 | 7.37 | 32.3 | 0.14 | 1.54 | No |
| 526 | 7.7 | 32.28 | 0.13 | 1.14 | No |
| 527 | 7.7 | 32.27 | 0.13 | 1.14 | No |
| 528 | 7.7 | 32.25 | 0.13 | 1.14 | No |

**Table K-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 529 | 7.7 | 32.23 | 0.13 | 1.14 | No |
| 530 | 7.7 | 32.22 | 0.13 | 1.14 | No |
| 531 | 7.7 | 32.2 | 0.12 | 1.14 | No |

**Table K-2. Ammonia toxicity results for subsegment 120404**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 346 | 7 | 31.48 | 0.1 | 1.98 | No |
| 347 | 7 | 31.45 | 0.1 | 1.98 | No |
| 348 | 7 | 31.43 | 0.09 | 1.99 | No |
| 349 | 7 | 31.41 | 0.09 | 1.99 | No |
| 350 | 7 | 31.39 | 0.09 | 1.99 | No |
| 351 | 7 | 31.36 | 0.08 | 2.00 | No |
| 352 | 7 | 31.34 | 0.08 | 2.00 | No |
| 353 | 7 | 31.32 | 0.08 | 2.00 | No |
| 354 | 7 | 31.3 | 0.07 | 2.00 | No |
| 355 | 7 | 31.27 | 0.07 | 2.01 | No |
| 356 | 7 | 31.25 | 0.07 | 2.01 | No |
| 357 | 7 | 31.23 | 0.06 | 2.01 | No |
| 358 | 7 | 31.2 | 0.06 | 2.02 | No |
| 359 | 7 | 31.18 | 0.06 | 2.02 | No |
| 360 | 7 | 31.16 | 0.06 | 2.02 | No |
| 361 | 7 | 31.14 | 0.05 | 2.02 | No |
| 362 | 7 | 31.11 | 0.05 | 2.03 | No |
| 363 | 7 | 31.09 | 0.05 | 2.03 | No |
| 364 | 7 | 31.07 | 0.05 | 2.03 | No |
| 365 | 7 | 31.05 | 0.04 | 2.04 | No |
| 366 | 7 | 31.02 | 0.04 | 2.04 | No |
| 367 | 7 | 31 | 0.04 | 2.04 | No |
| 368 | 7 | 31 | 0.08 | 2.04 | No |
| 369 | 7 | 31 | 0.08 | 2.04 | No |
| 370 | 7 | 31 | 0.09 | 2.04 | No |
| 371 | 7 | 31 | 0.09 | 2.04 | No |
| 372 | 7 | 31 | 0.09 | 2.04 | No |
| 373 | 7 | 31 | 0.09 | 2.04 | No |
| 374 | 7 | 31 | 0.09 | 2.04 | No |
| 375 | 7 | 31 | 0.09 | 2.04 | No |
| 376 | 7 | 31 | 0.09 | 2.04 | No |
| 377 | 7 | 31.04 | 0.09 | 2.04 | No |
| 378 | 7 | 31.08 | 0.1 | 2.03 | No |
| 379 | 7 | 31.12 | 0.11 | 2.03 | No |
| 380 | 7 | 31.15 | 0.12 | 2.02 | No |
| 381 | 7 | 31.19 | 0.13 | 2.02 | No |
| 382 | 7 | 31.23 | 0.13 | 2.01 | No |
| 383 | 7 | 31.27 | 0.14 | 2.01 | No |
| 384 | 7 | 31.31 | 0.15 | 2.00 | No |
| 385 | 7 | 31.35 | 0.15 | 2.00 | No |
| 386 | 7 | 31.38 | 0.15 | 1.99 | No |
| 387 | 7 | 31.42 | 0.16 | 1.99 | No |
| 388 | 7 | 31.46 | 0.16 | 1.98 | No |
| 389 | 7 | 31.5 | 0.16 | 1.98 | No |

**Table K-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 390 | 7 | 31.5 | 0.16 | 1.98 | No |
| 391 | 7 | 31.5 | 0.16 | 1.98 | No |
| 392 | 7 | 31.5 | 0.16 | 1.98 | No |
| 393 | 7 | 31.5 | 0.16 | 1.98 | No |
| 394 | 7 | 31.5 | 0.16 | 1.98 | No |
| 395 | 7 | 31.5 | 0.15 | 1.98 | No |
| 396 | 7 | 31.5 | 0.15 | 1.98 | No |
| 397 | 7 | 31.5 | 0.15 | 1.98 | No |
| 398 | 7 | 31.5 | 0.15 | 1.98 | No |

**Table K-3. Ammonia toxicity results for subsegment 120405**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 117 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 118 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 119 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 120 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 121 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 122 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 123 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 124 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 125 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 126 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 127 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 128 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 129 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 130 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 131 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 132 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 133 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 134 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 135 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 136 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 137 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 138 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 139 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 140 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 141 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 142 | 7.67 | 31.10 | 0.11 | 1.27 | No |
| 143 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 144 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 145 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 146 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 147 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 148 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 149 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 150 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 151 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 152 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 153 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 154 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 155 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 156 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 157 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 158 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 159 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 160 | 7.67 | 31.10 | 0.04 | 1.27 | No |

**Table K-3. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 161 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 162 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 163 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 164 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 165 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 166 | 7.67 | 31.10 | 0.04 | 1.27 | No |
| 167 | 7.67 | 31.10 | 0.05 | 1.27 | No |
| 168 | 7.67 | 31.10 | 0.05 | 1.27 | No |
| 169 | 7.67 | 31.10 | 0.06 | 1.27 | No |
| 170 | 7.67 | 31.10 | 0.07 | 1.27 | No |
| 171 | 7.67 | 31.10 | 0.08 | 1.27 | No |
| 172 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 173 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 174 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 175 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 176 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 177 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 178 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 179 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 180 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 181 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 182 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 183 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 184 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 185 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 186 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 187 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 188 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 189 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 190 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 191 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 192 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 193 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 194 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 195 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 196 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 197 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 198 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 199 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 200 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 201 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 202 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 203 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 204 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 205 | 7.67 | 31.10 | 0.10 | 1.27 | No |

**Table K-3. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 206 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 207 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 208 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 209 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 210 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 211 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 212 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 213 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 214 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 215 | 7.67 | 31.10 | 0.10 | 1.27 | No |
| 216 | 7.67 | 31.10 | 0.09 | 1.27 | No |
| 217 | 7.67 | 31.10 | 0.09 | 1.27 | No |
| 218 | 7.67 | 31.10 | 0.09 | 1.27 | No |
| 219 | 7.67 | 31.10 | 0.09 | 1.27 | No |
| 220 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 221 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 222 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 223 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 224 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 225 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 226 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 227 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 228 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 229 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 230 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 231 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 232 | 7.67 | 31.1 | 0.09 | 1.27 | No |
| 233 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 234 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 235 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 236 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 237 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 238 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 239 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 240 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 241 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 242 | 9.3 | 31.1 | 0.04 | 0.11 | No |
| 243 | 9.3 | 31.1 | 0.1 | 0.11 | No |
| 244 | 7.67 | 31.32 | 0.09 | 1.25 | No |
| 245 | 7.67 | 31.53 | 0.09 | 1.23 | No |
| 246 | 7.67 | 31.75 | 0.09 | 1.22 | No |
| 247 | 7.67 | 31.97 | 0.09 | 1.20 | No |
| 248 | 7.67 | 32.18 | 0.09 | 1.18 | No |
| 249 | 7.67 | 32.4 | 0.09 | 1.17 | No |

**Table K-4. Ammonia toxicity results for subsegment 120406**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 1 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 2 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 3 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 4 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 5 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 6 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 7 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 8 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 9 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 10 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 11 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 12 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 13 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 14 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 15 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 16 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 17 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 18 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 19 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 20 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 21 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 22 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 23 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 24 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 25 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 26 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 27 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 28 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 29 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 30 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 31 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 32 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 33 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 34 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 35 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 36 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 37 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 38 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 39 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 40 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 41 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 42 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 43 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 44 | 7.93 | 31.1 | 0.06 | 0.92 | No |

**Table K-4. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 45 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 46 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 47 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 48 | 7.93 | 31.1 | 0.06 | 0.92 | No |
| 49 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 50 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 51 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 52 | 7.93 | 31.1 | 0.07 | 0.92 | No |
| 53 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 54 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 55 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 56 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 57 | 7.93 | 31.1 | 0.08 | 0.92 | No |
| 58 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 59 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 60 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 61 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 62 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 63 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 64 | 7.93 | 31.1 | 0.09 | 0.92 | No |
| 65 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 66 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 67 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 68 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 69 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 70 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 71 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 72 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 73 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 74 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 75 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 76 | 7.93 | 31.1 | 0.1 | 0.92 | No |
| 77 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 78 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 79 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 80 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 81 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 82 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 83 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 84 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 85 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 86 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 87 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 88 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 89 | 7.93 | 31.1 | 0.11 | 0.92 | No |

**Table K-4. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 90 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 91 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 92 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 93 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 94 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 95 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 96 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 97 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 98 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 99 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 100 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 101 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 102 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 103 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 104 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 105 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 106 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 107 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 108 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 109 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 110 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 111 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 112 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 113 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 114 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 115 | 7.93 | 31.1 | 0.11 | 0.92 | No |
| 116 | 7.93 | 31.1 | 0.11 | 0.92 | No |