FINAL

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

(120110, 120102, 120103, 120105, 120106, 120107, 120109)

Appendices H through M

Prepared for:

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

Contract No. 68-C-02-108
Task Order No. 95

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APPENDIX H:
MODEL OUTPUT FOR TMDL

TMDL output file..... 1

TMDL output file

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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\0608 UT\TMDL\Upper Terrebonne TMDL_0608.txt
Output produced at 16:28 on 06/22/2008
$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$
CARD TYPE      CONTROL TITLES
TITLE01        LA-QUAL Model for Upper Terrebonne
TITLE02        TMDL Simulation for Upper Terrebonne model
CONTROL   YES   METR
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)
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   B1  Bayou Cholpe #1                 55.60  TO   52.60   0.1000     3.00      30       1     30
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REACH ID    2  B2  Bayou Cholpe #2          52.60  TO   43.10   0.1000    9.50     95     31   125
REACH ID    3  P1  Bayou Poydras #1         10.30  TO    4.60   0.1000    5.70     57    126   182
REACH ID    4  P2  Bayou Poydras #2          4.60  TO    0.00   0.1000    4.60     46    183   228
REACH ID    5  CH  Choctaw Bayou #1         43.10  TO   38.80   0.1000    4.30     43    229   271
REACH ID    6  C1  Chamberlin Canal #1       7.50  TO    4.20   0.1000    3.30     33    272   304
REACH ID    7  C2  Chamberlin Canal #2       4.20  TO    0.00   0.1000    4.20     42    305   346
REACH ID    8  CW  Choctaw Bayou #2         38.80  TO   31.50   0.1000    7.30     73    347   419
REACH ID    9  I1  Intracoastal Waterway #1 13.40  TO    0.00   0.1000   13.40    134    420   553
REACH ID   10  I2  Intracoastal Waterway #2 31.50  TO   15.90   0.1000   15.60    156    554   709
REACH ID   11  BP  Bayou Plaquemine         11.90  TO    0.00   0.1000   11.90    119    710   828
REACH ID   12  I3  Intracoastal Waterway #3 15.90  TO   10.90   0.1000    5.00     50    829   878
REACH ID   13  U1  Upper Grand River #1     12.40  TO    4.00   0.1000    8.40     84    879   962
REACH ID   14  LF  Lower Flat River         4.40  TO    0.00   0.1000    4.40     44    963  1006
REACH ID   15  U2  Upper Grand River #2      4.00  TO    0.00   0.1000    4.00     40   1007  1046
REACH ID   16  I4  Intracoastal Waterway #4 10.90  TO    0.00   0.1000   10.90    109   1047  1155
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  B1     0.000     0.000     1.000     0.000     0.000     0.250    0.00000   0.000
HYDR-1      2  B2     0.000     0.000    10.000     0.000     0.000     1.000    0.00000   0.000
HYDR-1      3  P1     0.000     0.000     4.000     0.000     0.000     0.300    0.00000   0.000
HYDR-1      4  P2     0.000     0.000     8.000     0.000     0.000     0.600    0.00000   0.000
HYDR-1      5  CH     0.000     0.000    34.000     0.000     0.000     2.400    0.00000   0.000
HYDR-1      6  C1     0.000     0.000     2.000     0.000     0.000     0.100    0.00000   0.000
HYDR-1      7  C2     0.000     0.000     5.000     0.000     0.000     0.300    0.00000   0.000
HYDR-1      8  CW     0.000     0.000    47.000     0.000     0.000     2.800    0.00000   0.000
HYDR-1      9  I1     0.000     0.000    76.000     0.000     0.000     3.000    0.00000   0.000
HYDR-1     10  I2     0.000     0.000    76.000     0.000     0.000     3.000    0.00000   0.000
HYDR-1     11  BP     0.000     0.000    30.000     0.000     0.000     1.100    0.00000   0.000
HYDR-1     12  I3     0.000     0.000    80.000     0.000     0.000     3.200    0.00000   0.000
HYDR-1     13  U1     0.000     0.000    88.000     0.000     0.000     1.100    0.00000   0.000
HYDR-1     14  LF     0.000     0.000    64.000     0.000     0.000     0.800    0.00000   0.000
HYDR-1     15  U2     0.000     0.000    62.000     0.000     0.000     1.300    0.00000   0.000
HYDR-1     16  I4     0.000     0.000    70.000     0.000     0.000     2.500    0.00000   0.000
ENDATA09
$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$
CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                        RANGE      "A"           "B"           "C"           "D"
ENDATA10
$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$
CARD TYPE     REACH  ID     TEMP    SALIN     DO     NH3    NO3+2    PHOS    CHL A    MACRO
INITIAL         1  B1     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         2  B2     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         3  P1     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         4  P2     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         5  CH     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         6  C1     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         7  C2     30.00     0.00     5.00    0.20    0.00    0.00    0.00     0.00
INITIAL         8  CW     30.00     0.00     5.00    0.20    0.00    0.00   66.00     0.00
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INITIAL        9  I1     30.00    0.00    5.00    0.20    0.00    0.00    0.00    0.00
INITIAL       10  I2     30.00    0.00    5.00    0.20    0.00    0.00    0.00    0.00
INITIAL       11  BP     30.00    0.00    5.00    0.20    0.00    0.00   58.00    0.00
INITIAL       12  I3     30.00    0.00    5.00    0.20    0.00    0.00    0.00    0.00
INITIAL       13  U1     30.00    0.00    5.00    0.20    0.00    0.00   32.00    0.00
INITIAL       14  LF     30.00    0.00    5.00    0.20    0.00    0.00    0.00    0.00
INITIAL       15  U2     30.00    0.00    5.00    0.20    0.00    0.00   38.00    0.00
INITIAL       16  I4     30.00    0.00    5.00    0.20    0.00    0.00    0.00    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  B1   3 OCONNER-DOBB   0.000  0.000  0.000  0.100  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   2  B2   3 OCONNER-DOBB   0.000  0.000  0.000  0.100  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   3  P1   3 OCONNER-DOBB   0.000  0.000  0.000  0.100  0.100  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   4  P2   3 OCONNER-DOBB   0.000  0.000  0.000  0.100  0.100  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   5  CH   3 OCONNER-DOBB   0.000  0.000  0.000  0.100  0.110  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   6  C1   3 OCONNER-DOBB   0.000  0.000  0.000  1.000  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   7  C2   3 OCONNER-DOBB   0.000  0.000  0.000  0.560  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   8  CW   3 OCONNER-DOBB   0.000  0.000  0.000  1.000  0.110  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1   9  I1   3 OCONNER-DOBB   0.000  0.000  0.000  0.500  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  10  I2   3 OCONNER-DOBB   0.000  0.000  0.000  1.000  0.130  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  11  BP   3 OCONNER-DOBB   0.000  0.000  0.000  0.500  0.110  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  12  I3   3 OCONNER-DOBB   0.000  0.000  0.000  0.500  0.200  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  13  U1   3 OCONNER-DOBB   0.000  0.000  0.000  1.000  0.300  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  14  LF   3 OCONNER-DOBB   0.000  0.000  0.000  0.900  0.300  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  15  U2   3 OCONNER-DOBB   0.000  0.000  0.000  1.000  0.300  0.000  0.000  0.000  0.000  0.000  0.000  0.000
COEFF-1  16  I4   3 OCONNER-DOBB   0.000  0.000  0.000  0.700  0.200  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  B1    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         2  B2    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         3  P1    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         4  P2    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         5  CH    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         6  C1    0.010   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         7  C2    0.010   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         8  CW    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2         9  I1    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        10  I2    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        11  BP    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        12  I3    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        13  U1    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        14  LF    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        15  U2    0.020   0.000   0.000   0.200   0.000   0.000   0.000
COEFF-2        16  I4    0.020   0.000   0.000   0.200   0.000   0.000   0.000
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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  B1      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1          2  B2      0.00000    0.00280    30.00     0.00     0.00     0.00   0.00029   0.00000
INCR-1          3  P1      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1          4  P2      0.00000    0.00280    30.00     0.00     0.00     0.00   0.00061   0.00000
INCR-1          5  CH      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1          6  C1      0.00000    0.00150    30.00     0.00     0.00     0.00   0.00045   0.00000
INCR-1          7  C2      0.00000    0.00500    30.00     0.00     0.00     0.00   0.00119   0.00000
INCR-1          8  CW      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1          9  I1      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         10  I2      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         11  BP      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         12  I3      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         13  U1      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         14  LF      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         15  U2      0.00000    0.00000    30.00     0.00     0.00     0.00   0.00000   0.00000
INCR-1         16  I4      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  B1      5.00      6.16      0.99      0.00      0.00      0.00
INCR-2          2  B2      5.00      6.16      0.99      0.00      0.00      0.00
INCR-2          3  P1      5.00      9.50      0.70      0.00      0.25      0.00
INCR-2          4  P2      5.00      9.50      0.70      0.00      0.25      0.00
INCR-2          5  CH      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2          6  C1      5.00     25.00      2.40      0.00      0.05      0.00
INCR-2          7  C2      5.00      2.60      0.20      0.00      0.05      0.00
INCR-2          8  CW      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2          9  I1      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         10  I2      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         11  BP      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         12  I3      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         13  U1      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         14  LF      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         15  U2      5.00      0.00      0.00      0.00      0.00      0.00
INCR-2         16  I4      5.00      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
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$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$
CARD TYPE     REACH  ID      BOD#1     ORG-N     COLI      NCM       DO     BOD#2
NONPOINT        1   B1       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        2   B2       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        3   P1       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        4   P2       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        5   CH       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        6   C1       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        7   C2       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        8   CW     450.00      0.00      0.00      0.00      0.00      0.00
NONPOINT        9   I1     225.00     35.00      0.00      0.00      0.00      0.00
NONPOINT       10   I2     144.00     30.00      0.00      0.00      0.00      0.00
NONPOINT       11   BP     362.00      0.00      0.00      0.00      0.00      0.00
NONPOINT       12   I3       0.00     25.00      0.00      0.00      0.00      0.00
NONPOINT       13   U1       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT       14   LF       0.00      6.20      0.00      0.00      0.00      0.00
NONPOINT       15   U2       0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT       16   I4       0.00     50.00      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 Cholpe #1          0   0.00283    0.100   28.70     0.00     0.000     0.000   0.00
HDWTR-1       126     Bayou Poydras #1         0   0.00283    0.100   28.60     0.00     0.000     0.000   0.00
HDWTR-1       272     Chamberlin Canal #1      0   0.00283    0.100   28.90     0.00     0.000     0.000   0.00
HDWTR-1       420     Intracoastal Waterwa     0   7.53000  265.890   30.60     0.00     0.000     0.000   0.00
HDWTR-1       710     Bayou Plaquemine         0   0.77000   27.189   30.60     0.00     0.000     0.000   0.00
HDWTR-1       879     Upper Grand River #1     0   0.00283    0.100   30.30     0.00     0.000     0.000   0.00
HDWTR-1       963     Lower Flat River         0   0.00283    0.100   30.30     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 Cholpe #1          5.00      3.11      1.59      0.03      1.50      0.00
HDWTR-2       126     Bayou Poydras #1         5.00      9.81      0.49      0.05      0.00      0.00
HDWTR-2       272     Chamberlin Canal #1      6.00      9.28      1.18      0.10      0.07      0.00
HDWTR-2       420     Intracoastal Waterwa     7.40      0.55      0.28      0.03      1.70      0.00
HDWTR-2       710     Bayou Plaquemine         5.00      4.93      1.60      0.00      1.60      0.00
HDWTR-2       879     Upper Grand River #1     5.00     16.00      1.40      0.03      1.60      0.00
HDWTR-2       963     Lower Flat River         5.50     12.00      1.40      0.03      0.00      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      229     125     43.10  Bayou Cholpe confluence with Bayou Poydrus
JUNCTION      347     271     38.80  Chactaw Bayou confluence with Chamberlin Canal
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JUNCTION      554    419     31.50  Intracoastal Waterway confluence with Chactaw Bayou
JUNCTION      829    709     15.90  Intracoastal Waterway confluence with Bayou Plaquemine
JUNCTION     1007    962      4.00  Upper Grand River confluence with Lower Flat River
JUNCTION     1047    878     10.90  Intracoastal Waterway confluence with Upper Grand River
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     126     10.30  LA0003034          1.64297   58.01448   37.501   30.00    0.00    0.000    0.000
WSTLD-1     148      8.10  LAG540069          0.00013    0.00459    0.003   30.00    0.00    0.000    0.000
WSTLD-1     151      7.80  LAG531697          0.00003    0.00106    0.001   30.00    0.00    0.000    0.000
WSTLD-1     158      7.10  LAG540858          0.00028    0.00989    0.006   30.00    0.00    0.000    0.000
WSTLD-1     159      7.00  LAG531903          0.00000    0.00000    0.000   30.00    0.00    0.000    0.000
WSTLD-1     164      6.50  LAG531990          0.00007    0.00247    0.002   30.00    0.00    0.000    0.000
WSTLD-1     186      4.30  LAG540898          0.00175    0.06179    0.040   30.00    0.00    0.000    0.000
WSTLD-1     187      4.20  LAG540785          0.00053    0.01871    0.012   30.00    0.00    0.000    0.000
WSTLD-1     230     43.00  Stumpy Bayou       0.00283    0.09993    0.065   30.00    0.00    0.000    0.000
WSTLD-1     271     38.90  LAG530786          0.00027    0.00953    0.006   30.00    0.00    0.000    0.000
WSTLD-1     296      5.10  LA0121185          0.00000    0.00000    0.000   30.00    0.00    0.000    0.000
WSTLD-1     305      4.20  LAG540783          0.00268    0.09463    0.061   30.00    0.00    0.000    0.000
WSTLD-1     366     36.90  Unknown Trib #1    0.00283    0.09993    0.065   30.00    0.00    0.000    0.000
WSTLD-1     367     36.80  PS 120103          0.02537    0.89583    0.579   30.00    0.00    0.000    0.000
WSTLD-1     428     12.60  PS 120109#2        0.00215    0.07592    0.049   30.00    0.00    0.000    0.000
WSTLD-1     456      9.80  LAG560237          0.00137    0.04838    0.031   30.00    0.00    0.000    0.000
WSTLD-1     463      9.10  LA0068501          0.02191    0.77366    0.500   30.00    0.00    0.000    0.000
WSTLD-1     550      0.40  PS 120109#1        0.02420    0.85452    0.552   30.00    0.00    0.000    0.000
WSTLD-1     566     30.30  LAG531616          0.00002    0.00071    0.000   30.00    0.00    0.000    0.000
WSTLD-1     623     24.60  Unknown Trib #2    0.00010    0.00353    0.002   30.00    0.00    0.000    0.000
WSTLD-1     656     21.30  Unknown Trib #3    0.00010    0.00353    0.002   30.00    0.00    0.000    0.000
WSTLD-1     666     20.30  PS 120109#3        0.00568    0.20056    0.130   30.00    0.00    0.000    0.000
WSTLD-1     674     19.50  Unknown Trib #4    0.00010    0.00353    0.002   30.00    0.00    0.000    0.000
WSTLD-1     678     19.10  Bayou Grosse Tete #2  0.00283    0.09993    0.065   30.00    0.00    0.000    0.000
WSTLD-1     703     16.60  LAG531362          0.00005    0.00177    0.001   30.00    0.00    0.000    0.000
WSTLD-1     739      9.00  LA0020648          0.08215    2.90078    1.875   30.00    0.00    0.000    0.000
WSTLD-1     779      5.00  LAG570359          0.00356    0.12571    0.081   30.00    0.00    0.000    0.000
WSTLD-1     782      4.70  LAG540102          0.00131    0.04626    0.030   30.00    0.00    0.000    0.000
WSTLD-1     785      4.40  LAG531065          0.00027    0.00953    0.006   30.00    0.00    0.000    0.000
WSTLD-1     796      3.30  LAG540784          0.00014    0.00494    0.003   30.00    0.00    0.000    0.000
WSTLD-1     907      9.60  Superior Canal     0.00283    0.09993    0.065   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      126     LA0003034            6.00    11.50    0.00    0.80     1.25    0.00     2.00     0.00
WSTLD-2      148     LAG540069            5.00   103.50    0.00    7.50    15.00    0.00     2.00     0.00
WSTLD-2      151     LAG531697            5.00   103.50    0.00    7.50    15.00    0.00     2.00     0.00
WSTLD-2      158     LAG540858            5.00    69.00    0.00    5.00    10.00    0.00     2.00     0.00
WSTLD-2      159     LAG531903            5.00   103.50    0.00    7.50    15.00    0.00     2.00     0.00
WSTLD-2      164     LAG531990            5.00   103.50    0.00    7.50    15.00    0.00     2.00     0.00
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WSTLD-2    186   LAG540898          5.00   69.00   0.00   5.00   10.00   0.00   2.00   0.00
WSTLD-2    187   LAG540785          5.00   69.00   0.00   5.00   10.00   0.00   2.00   0.00
WSTLD-2    230   Stumpy Bayou       5.00    2.50   0.00   0.30    0.10   0.00   1.00   0.00
WSTLD-2    271   LAG530786          5.00   69.00   0.00   5.00   10.00   0.00   2.00   0.00
WSTLD-2    296   LA0121185          5.00   69.00   0.00   5.00   10.00   0.00   2.00   0.00
WSTLD-2    305   LAG540783          6.00   23.00   0.00   1.70    3.33   0.00   0.50   0.00
WSTLD-2    366   Unknown Trib #1    5.00    1.10   0.00   0.40    1.50   0.00   0.10   0.00
WSTLD-2    367   PS 120103          5.00   65.80   0.00   4.80    9.54   0.00   0.10   0.00
WSTLD-2    428   PS 120109#2        5.00   52.20   0.00   3.80    7.57   0.00  10.00   0.00
WSTLD-2    456   LAG560237          5.00   46.00   0.00   3.30    6.67   0.00   1.70   0.00
WSTLD-2    463   LA0068501          5.00   23.00   0.00   1.70    3.33   0.00  10.00   0.00
WSTLD-2    550   PS 120109#1        5.00   34.10   0.00   2.50    6.02   0.00  10.00   0.00
WSTLD-2    566   LAG531616          5.00  103.50   0.00   7.50   15.00   0.00  10.00   0.00
WSTLD-2    623   Unknown Trib #2    6.30    3.00   0.00   1.20    0.10   0.00   1.50   0.00
WSTLD-2    656   Unknown Trib #3    6.30    3.00   0.00   1.20    0.10   0.00   1.50   0.00
WSTLD-2    666   PS 120109#3        5.00   35.00   0.00   2.50    5.07   0.00  10.00   0.00
WSTLD-2    674   Unknown Trib #4    6.30    3.00   0.00   1.20    0.10   0.00   1.50   0.00
WSTLD-2    678   Bayou Grosse Tete #2   5.00   1.60   0.00   0.50   0.03   0.00   0.00   0.00
WSTLD-2    703   LAG531362          5.00  103.50   0.00   7.50   15.00   0.00   1.70   0.00
WSTLD-2    739   LA0020648          5.00   69.00   0.00   5.00    4.00   0.00   1.60   0.00
WSTLD-2    779   LAG570359          5.00   23.00   0.00   1.70    3.33   0.00   1.60   0.00
WSTLD-2    782   LAG540102          5.00   69.00   0.00   5.00   10.00   0.00   1.60   0.00
WSTLD-2    785   LAG531065          5.00  103.50   0.00   7.50   15.00   0.00   1.60   0.00
WSTLD-2    796   LAG540784          5.00   69.00   0.00   5.00   10.00   0.00   1.60   0.00
WSTLD-2    907   Superior Canal     5.50   10.00   0.00   1.40    0.10   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
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 =  8
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  3  4
NUMBER OF REACHES IN PLOT 2 =   2
PLOT RCH  1  2
NUMBER OF REACHES IN PLOT 3 =   2
PLOT RCH  5  8
NUMBER OF REACHES IN PLOT 4 =   2
PLOT RCH  6  7
NUMBER OF REACHES IN PLOT 5 =   4
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PLOT RCH  9 10 12 16
NUMBER OF REACHES IN PLOT 6 =   1
PLOT RCH 11
NUMBER OF REACHES IN PLOT 7 =   2
PLOT RCH 13 15
NUMBER OF REACHES IN PLOT 8 =   1
PLOT RCH 14
ENDATA30
$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$
OVERLAY 1 bayou poydras TMDL.OVL          :Bayou Poydras
OVERLAY 2 bayou cholpe TMDL.OVL           :Bayou Cholpe
OVERLAY 3 choctaw bayou TMDL.OVL          :Choctaw Bayou
OVERLAY 4 chamberlin canal TMDL.OVL       :Chamberlin Canal
OVERLAY 5 icwTMDL.OVL                     :Intracoastal Waterway
OVERLAY 6 bayou plaquemine TMDL.OVL       :Bayou Plaquemine
OVERLAY 7 upper grand river TMDL.OVL      :Upper Grand River
OVERLAY 8 lower flat river TMDL.OVL       :Lower Flat River
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
    .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
    .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15
    .....GRAPHICS DATA FOR PLOT 6 WRITTEN TO UNIT 16
    .....GRAPHICS DATA FOR PLOT 7 WRITTEN TO UNIT 17
    .....GRAPHICS DATA FOR PLOT 8 WRITTEN TO UNIT 18
INTERMEDIATE REPORT
Dissolved Oxygen                          LA-QUAL Model for Upper Terrebonne
  mg/L                                    TMDL Simulation for Upper Terrebonne model
ID  RCH  ELEM     +0     +1     +2     +3     +4     +5     +6     +7     +8     +9
B1   1    1    5.64   6.10   6.42   6.65   6.81   6.93   7.01   7.07   7.11   7.14
B1   1   11    7.17   7.18   7.20   7.20   7.21   7.22   7.22   7.23   7.23   7.23
B1   1   21    7.23   7.24   7.24   7.24   7.24   7.24   7.25   7.25   7.25   7.25
B2   2   31    7.01   7.03   7.09   7.13   7.16   7.18   7.20   7.21   7.22   7.23
B2   2   41    7.23   7.24   7.25   7.25   7.25   7.26   7.26   7.27   7.27   7.27
B2   2   51    7.27   7.28   7.28   7.28   7.28   7.28   7.28   7.28   7.29   7.29
B2   2   61    7.29   7.29   7.29   7.29   7.29   7.29   7.29   7.29   7.29   7.29
B2   2   71    7.29   7.29   7.29   7.29   7.29   7.29   7.30   7.30   7.30   7.30
B2   2   81    7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30
B2   2   91    7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30
B2   2  101    7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30
B2   2  111    7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30   7.30
B2   2  121    7.30   7.30   7.30   7.30   7.30
CH   5  229    6.50   6.31   6.13   5.97   5.82   5.69   5.57   5.46   5.37   5.28
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CH	5	239	5.21	5.15	5.10	5.06	5.03	5.01	5.00	5.00	5.01	5.03
CH	5	249	5.06	5.10	5.14	5.19	5.25	5.32	5.40	5.48	5.57	5.67
CH	5	259	5.77	5.88	6.00	6.12	6.25	6.38	6.53	6.67	6.82	6.98
CH	5	269	7.14	7.31	7.49							
CW	8	347	7.70	7.91	8.11	8.30	8.48	8.65	8.82	8.98	9.13	9.27
CW	8	357	9.40	9.53	9.65	9.77	9.87	9.97	10.07	10.15	10.23	10.30
CW	8	367	10.25	10.28	10.31	10.33	10.34	10.36	10.36	10.37	10.37	10.37
CW	8	377	10.36	10.35	10.33	10.31	10.29	10.26	10.23	10.20	10.16	10.12
CW	8	387	10.08	10.03	9.98	9.92	9.86	9.80	9.74	9.67	9.60	9.53
CW	8	397	9.45	9.37	9.29	9.20	9.11	9.02	8.93	8.83	8.73	8.63
CW	8	407	8.53	8.42	8.31	8.20	8.08	7.96	7.85	7.72	7.60	7.47
CW	8	417	7.35	7.22	7.08							
I2	10	554	6.41	6.39	6.37	6.36	6.34	6.32	6.30	6.29	6.27	6.25
I2	10	564	6.23	6.22	6.20	6.19	6.17	6.15	6.14	6.12	6.11	6.09
I2	10	574	6.08	6.06	6.05	6.03	6.02	6.00	5.99	5.98	5.96	5.95
I2	10	584	5.93	5.92	5.91	5.90	5.88	5.87	5.86	5.84	5.83	5.82
I2	10	594	5.81	5.80	5.78	5.77	5.76	5.75	5.74	5.73	5.72	5.71
I2	10	604	5.69	5.68	5.67	5.66	5.65	5.64	5.63	5.62	5.61	5.60
I2	10	614	5.59	5.58	5.57	5.57	5.56	5.55	5.54	5.53	5.52	5.51
I2	10	624	5.50	5.50	5.49	5.48	5.47	5.46	5.45	5.45	5.44	5.43
I2	10	634	5.42	5.42	5.41	5.40	5.39	5.39	5.38	5.37	5.37	5.36
I2	10	644	5.35	5.35	5.34	5.33	5.33	5.32	5.31	5.31	5.30	5.30
I2	10	654	5.29	5.28	5.28	5.27	5.27	5.26	5.25	5.25	5.24	5.24
I2	10	664	5.23	5.23	5.22	5.22	5.21	5.21	5.20	5.20	5.19	5.19
I2	10	674	5.18	5.18	5.17	5.17	5.16	5.16	5.15	5.15	5.15	5.14
I2	10	684	5.14	5.13	5.13	5.12	5.12	5.12	5.11	5.11	5.10	5.10
I2	10	694	5.10	5.09	5.09	5.09	5.08	5.08	5.08	5.07	5.07	5.07
I2	10	704	5.06	5.06	5.06	5.05	5.05	5.05				
I3	12	829	5.06	5.06	5.05	5.05	5.05	5.05	5.04	5.04	5.04	5.04
I3	12	839	5.03	5.03	5.03	5.03	5.03	5.02	5.02	5.02	5.02	5.02
I3	12	849	5.02	5.02	5.02	5.02	5.02	5.01	5.01	5.01	5.01	5.01
I3	12	859	5.01	5.01	5.01	5.01	5.01	5.01	5.02	5.02	5.02	5.02
I3	12	869	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.03	5.03	5.03
I4	16	1047	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03
I4	16	1057	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.04
I4	16	1067	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04
I4	16	1077	5.04	5.04	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05
I4	16	1087	5.05	5.05	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06
I4	16	1097	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.08	5.08	5.08
I4	16	1107	5.08	5.08	5.08	5.08	5.09	5.09	5.09	5.09	5.09	5.09
I4	16	1117	5.09	5.10	5.10	5.10	5.10	5.10	5.10	5.11	5.11	5.11
I4	16	1127	5.11	5.11	5.11	5.12	5.12	5.12	5.12	5.12	5.12	5.13
I4	16	1137	5.13	5.13	5.13	5.13	5.13	5.14	5.14	5.14	5.14	5.14
I4	16	1147	5.14	5.15	5.15	5.15	5.15	5.15	5.16	5.16	5.16	
P1	3	126	6.01	6.02	6.03	6.04	6.06	6.07	6.08	6.09	6.10	6.11
P1	3	136	6.12	6.13	6.14	6.15	6.16	6.17	6.18	6.19	6.20	6.21
P1	3	146	6.22	6.23	6.24	6.25	6.26	6.27	6.28	6.29	6.29	6.30
P1	3	156	6.31	6.32	6.33	6.34	6.35	6.35	6.36	6.37	6.38	6.39
P1	3	166	6.39	6.40	6.41	6.42	6.42	6.43	6.44	6.45	6.45	6.46
P1	3	176	6.47	6.48	6.48	6.49	6.50	6.50	6.51			

P2	4	183	6.52	6.52	6.53	6.53	6.54	6.54	6.55	6.55	6.56	6.56
P2	4	193	6.57	6.57	6.58	6.58	6.59	6.59	6.60	6.60	6.61	6.61
P2	4	203	6.61	6.62	6.62	6.63	6.63	6.63	6.64	6.64	6.65	6.65
P2	4	213	6.65	6.66	6.66	6.66	6.67	6.67	6.67	6.68	6.68	6.68
P2	4	223	6.69	6.69	6.69	6.70	6.70	6.70				
C1	6	272	5.90	5.86	5.83	5.82	5.81	5.81	5.81	5.81	5.80	5.80
C1	6	282	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
C1	6	292	5.80	5.80	5.80	5.79	5.79	5.79	5.79	5.79	5.79	5.79
C1	6	302	5.79	5.79	5.79							
C2	7	305	5.32	5.08	5.01	5.03	5.09	5.19	5.29	5.40	5.51	5.61
C2	7	315	5.72	5.82	5.91	6.00	6.09	6.18	6.26	6.34	6.41	6.49
C2	7	325	6.56	6.63	6.70	6.76	6.83	6.89	6.95	7.01	7.07	7.13
C2	7	335	7.18	7.24	7.30	7.35	7.40	7.46	7.51	7.56	7.61	7.66
C2	7	345	7.71	7.76								
I1	9	420	7.38	7.37	7.35	7.34	7.33	7.31	7.30	7.28	7.27	7.25
I1	9	430	7.24	7.23	7.21	7.20	7.19	7.17	7.16	7.15	7.14	7.12
I1	9	440	7.11	7.10	7.09	7.08	7.06	7.05	7.04	7.03	7.02	7.01
I1	9	450	7.00	6.99	6.97	6.96	6.95	6.94	6.93	6.92	6.91	6.90
I1	9	460	6.89	6.88	6.87	6.86	6.85	6.84	6.83	6.82	6.81	6.80
I1	9	470	6.79	6.78	6.77	6.76	6.75	6.74	6.73	6.72	6.71	6.71
I1	9	480	6.70	6.69	6.68	6.67	6.66	6.66	6.65	6.64	6.63	6.63
I1	9	490	6.62	6.61	6.60	6.60	6.59	6.58	6.58	6.57	6.56	6.55
I1	9	500	6.55	6.54	6.54	6.53	6.52	6.52	6.51	6.50	6.50	6.49
I1	9	510	6.49	6.48	6.48	6.47	6.46	6.46	6.45	6.45	6.44	6.44
I1	9	520	6.43	6.43	6.42	6.42	6.41	6.41	6.40	6.40	6.39	6.39
I1	9	530	6.38	6.38	6.38	6.37	6.37	6.36	6.36	6.35	6.35	6.35
I1	9	540	6.34	6.34	6.33	6.33	6.33	6.32	6.32	6.32	6.31	6.31
I1	9	550	6.30	6.29	6.29	6.28						
BP	11	710	5.23	5.45	5.66	5.86	6.05	6.23	6.40	6.56	6.72	6.87
BP	11	720	7.01	7.14	7.27	7.39	7.50	7.61	7.71	7.81	7.90	7.98
BP	11	730	8.06	8.14	8.21	8.27	8.33	8.39	8.44	8.49	8.54	8.17
BP	11	740	8.14	8.12	8.09	8.06	8.03	8.01	7.98	7.95	7.92	7.90
BP	11	750	7.87	7.84	7.81	7.79	7.76	7.73	7.70	7.67	7.65	7.62
BP	11	760	7.59	7.56	7.53	7.50	7.48	7.45	7.42	7.39	7.36	7.33
BP	11	770	7.30	7.27	7.24	7.21	7.18	7.15	7.12	7.09	7.06	7.02
BP	11	780	6.99	6.96	6.92	6.89	6.85	6.82	6.78	6.75	6.71	6.68
BP	11	790	6.64	6.61	6.57	6.54	6.50	6.47	6.43	6.40	6.36	6.33
BP	11	800	6.29	6.26	6.22	6.19	6.15	6.11	6.08	6.04	6.01	5.97
BP	11	810	5.93	5.90	5.86	5.82	5.79	5.75	5.71	5.68	5.64	5.60
BP	11	820	5.56	5.53	5.49	5.45	5.41	5.38	5.34	5.30	5.26	
U1	13	879	7.95	8.55	8.63	8.65	8.67	8.68	8.69	8.70	8.70	8.71
U1	13	889	8.72	8.73	8.73	8.74	8.75	8.76	8.76	8.77	8.78	8.79
U1	13	899	8.79	8.80	8.81	8.81	8.82	8.83	8.84	8.84	8.40	8.76
U1	13	909	8.83	8.85	8.87	8.88	8.89	8.90	8.91	8.92	8.92	8.93
U1	13	919	8.94	8.95	8.95	8.96	8.97	8.98	8.98	8.99	9.00	9.01
U1	13	929	9.01	9.02	9.03	9.04	9.04	9.05	9.06	9.07	9.07	9.08
U1	13	939	9.09	9.10	9.10	9.11	9.12	9.12	9.13	9.14	9.15	9.15
U1	13	949	9.16	9.17	9.18	9.18	9.19	9.20	9.21	9.21	9.22	9.23
U1	13	959	9.24	9.24	9.25	9.26						
U2	15	1007	9.70	9.70	9.61	9.50	9.39	9.28	9.16	9.05	8.94	8.82

U2	15	1017	8.71	8.59	8.48	8.36	8.25	8.13	8.01	7.90	7.78	7.67
U2	15	1027	7.55	7.43	7.32	7.20	7.09	6.97	6.85	6.74	6.62	6.51
U2	15	1037	6.39	6.27	6.16	6.04	5.93	5.81	5.69	5.58	5.46	5.35
LF	14	963	5.02	5.49	5.62	5.69	5.76	5.82	5.89	5.95	6.02	6.08
LF	14	973	6.15	6.22	6.28	6.35	6.41	6.47	6.54	6.60	6.67	6.73
LF	14	983	6.80	6.86	6.93	6.99	7.06	7.12	7.19	7.25	7.32	7.38
LF	14	993	7.45	7.51	7.58	7.64	7.71	7.77	7.84	7.90	7.97	8.03
LF	14	1003	8.10	8.16	8.23	8.29						

INTERMEDIATE REPORT

Effective BOD — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.05	2.98	2.92	2.86	2.80	2.74	2.69	2.63	2.58	2.53
B1	1	11	2.47	2.42	2.37	2.32	2.28	2.23	2.18	2.14	2.09	2.05
B1	1	21	2.01	1.97	1.93	1.89	1.85	1.81	1.77	1.74	1.70	1.67
B2	2	31	0.93	0.54	0.33	0.21	0.15	0.12	0.10	0.09	0.08	0.08
B2	2	41	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	51	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	61	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	71	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	81	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	91	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	101	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	111	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	121	0.08	0.08	0.08	0.08	0.08					
CH	5	229	11.08	10.96	10.85	10.75	10.64	10.54	10.43	10.33	10.23	10.13
CH	5	239	10.03	9.93	9.83	9.74	9.64	9.55	9.45	9.36	9.27	9.18
CH	5	249	9.09	9.00	8.91	8.82	8.74	8.65	8.57	8.48	8.40	8.32
CH	5	259	8.23	8.15	8.07	7.99	7.92	7.84	7.76	7.68	7.61	7.53
CH	5	269	7.46	7.39	7.33							
CW	8	347	7.22	7.15	7.08	7.01	6.94	6.88	6.81	6.75	6.68	6.62
CW	8	357	6.56	6.50	6.44	6.38	6.32	6.27	6.21	6.16	6.10	6.04
CW	8	367	6.87	6.80	6.74	6.68	6.62	6.56	6.50	6.44	6.38	6.32
CW	8	377	6.27	6.21	6.16	6.11	6.05	6.00	5.95	5.90	5.85	5.80
CW	8	387	5.75	5.71	5.66	5.62	5.57	5.53	5.48	5.44	5.40	5.36
CW	8	397	5.32	5.27	5.24	5.20	5.16	5.12	5.08	5.05	5.01	4.97
CW	8	407	4.94	4.90	4.87	4.84	4.80	4.77	4.74	4.71	4.68	4.65
CW	8	417	4.62	4.59	4.56							
I2	10	554	1.30	1.30	1.29	1.28	1.28	1.27	1.26	1.26	1.25	1.25
I2	10	564	1.24	1.23	1.23	1.22	1.22	1.21	1.20	1.20	1.19	1.19
I2	10	574	1.18	1.17	1.17	1.16	1.16	1.15	1.15	1.14	1.14	1.13
I2	10	584	1.12	1.12	1.11	1.11	1.10	1.10	1.09	1.09	1.08	1.08
I2	10	594	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.04	1.03	1.03
I2	10	604	1.02	1.02	1.01	1.01	1.00	1.00	0.99	0.99	0.98	0.98
I2	10	614	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.94
I2	10	624	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.89
I2	10	634	0.89	0.89	0.88	0.88	0.87	0.87	0.87	0.86	0.86	0.85
I2	10	644	0.85	0.85	0.84	0.84	0.84	0.83	0.83	0.82	0.82	0.82
I2	10	654	0.81	0.81	0.81	0.80	0.80	0.80	0.79	0.79	0.79	0.78
I2	10	664	0.78	0.78	0.79	0.79	0.79	0.78	0.78	0.78	0.77	0.77

I2	10	674	0.77	0.76	0.76	0.76	0.75	0.75	0.75	0.74	0.74	0.74
I2	10	684	0.73	0.73	0.73	0.72	0.72	0.72	0.72	0.71	0.71	0.71
I2	10	694	0.70	0.70	0.70	0.69	0.69	0.69	0.69	0.68	0.68	0.68
I2	10	704	0.68	0.67	0.67	0.67	0.66	0.66				
I3	12	829	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.22	1.21	1.20
I3	12	839	1.19	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09
I3	12	849	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.00	1.00
I3	12	859	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91
I3	12	869	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.84	0.83
I4	16	1047	0.82	0.82	0.81	0.81	0.80	0.80	0.79	0.79	0.78	0.78
I4	16	1057	0.77	0.77	0.76	0.76	0.75	0.75	0.74	0.74	0.73	0.73
I4	16	1067	0.72	0.72	0.72	0.71	0.71	0.70	0.70	0.69	0.69	0.68
I4	16	1077	0.68	0.68	0.67	0.67	0.66	0.66	0.66	0.65	0.65	0.64
I4	16	1087	0.64	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.60
I4	16	1097	0.60	0.60	0.59	0.59	0.59	0.58	0.58	0.57	0.57	0.57
I4	16	1107	0.56	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.54	0.53
I4	16	1117	0.53	0.53	0.52	0.52	0.52	0.51	0.51	0.51	0.50	0.50
I4	16	1127	0.50	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.47	0.47
I4	16	1137	0.47	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44
I4	16	1147	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.42	
P1	3	126	11.50	11.49	11.49	11.49	11.49	11.49	11.49	11.48	11.48	11.48
P1	3	136	11.48	11.48	11.48	11.48	11.47	11.47	11.47	11.47	11.47	11.47
P1	3	146	11.46	11.46	11.47	11.47	11.47	11.47	11.46	11.46	11.46	11.46
P1	3	156	11.46	11.46	11.47	11.46	11.46	11.46	11.46	11.46	11.46	11.46
P1	3	166	11.46	11.46	11.45	11.45	11.45	11.45	11.45	11.45	11.44	11.44
P1	3	176	11.44	11.44	11.44	11.44	11.44	11.43	11.43			
P2	4	183	11.43	11.42	11.41	11.47	11.48	11.48	11.47	11.46	11.46	11.45
P2	4	193	11.44	11.44	11.43	11.43	11.42	11.41	11.41	11.40	11.39	11.39
P2	4	203	11.38	11.38	11.37	11.36	11.36	11.35	11.35	11.34	11.33	11.33
P2	4	213	11.32	11.32	11.31	11.30	11.30	11.29	11.28	11.28	11.27	11.27
P2	4	223	11.26	11.25	11.25	11.24	11.24	11.23				
C1	6	272	9.37	9.46	9.55	9.63	9.71	9.78	9.85	9.92	9.98	10.04
C1	6	282	10.10	10.16	10.22	10.27	10.32	10.37	10.42	10.46	10.50	10.55
C1	6	292	10.59	10.63	10.66	10.70	10.73	10.77	10.80	10.83	10.86	10.89
C1	6	302	10.92	10.95	10.97							
C2	7	305	14.62	13.75	12.94	12.19	11.50	10.86	10.27	9.72	9.21	8.73
C2	7	315	8.29	7.87	7.49	7.13	6.79	6.47	6.18	5.90	5.64	5.40
C2	7	325	5.17	4.95	4.75	4.56	4.38	4.21	4.05	3.90	3.76	3.62
C2	7	335	3.49	3.37	3.26	3.15	3.04	2.95	2.85	2.77	2.68	2.60
C2	7	345	2.53	2.45								
I1	9	420	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.55	0.55
I1	9	430	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54
I1	9	440	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
I1	9	450	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.52	0.52	0.52
I1	9	460	0.52	0.52	0.52	0.58	0.58	0.58	0.58	0.58	0.57	0.57
I1	9	470	0.57	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.56
I1	9	480	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.54
I1	9	490	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53
I1	9	500	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52
I1	9	510	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51

I1	9	520	0.51	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I1	9	530	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
I1	9	540	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48
I1	9	550	0.58	0.58	0.58	0.58						
BP	11	710	4.93	4.94	4.94	4.94	4.95	4.95	4.95	4.95	4.96	4.96
BP	11	720	4.96	4.97	4.97	4.97	4.97	4.98	4.98	4.98	4.98	4.99
BP	11	730	4.99	4.99	5.00	5.00	5.00	5.00	5.01	5.01	5.01	11.13
BP	11	740	11.09	11.04	11.00	10.95	10.91	10.87	10.82	10.78	10.74	10.70
BP	11	750	10.65	10.61	10.57	10.53	10.49	10.45	10.41	10.37	10.33	10.29
BP	11	760	10.25	10.22	10.18	10.14	10.10	10.06	10.03	9.99	9.95	9.92
BP	11	770	9.88	9.85	9.81	9.78	9.74	9.71	9.67	9.64	9.61	9.63
BP	11	780	9.59	9.56	9.62	9.59	9.55	9.55	9.52	9.48	9.45	9.42
BP	11	790	9.39	9.36	9.33	9.29	9.26	9.23	9.21	9.18	9.15	9.12
BP	11	800	9.09	9.06	9.03	9.01	8.98	8.95	8.92	8.89	8.87	8.84
BP	11	810	8.81	8.78	8.76	8.73	8.70	8.68	8.65	8.63	8.60	8.57
BP	11	820	8.55	8.52	8.50	8.47	8.45	8.43	8.40	8.38	8.35	
U1	13	879	0.81	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.05
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	1.10	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Biochemical Oxygen Demand — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.05	2.98	2.92	2.86	2.80	2.74	2.69	2.63	2.58	2.53
B1	1	11	2.47	2.42	2.37	2.32	2.28	2.23	2.18	2.14	2.09	2.05
B1	1	21	2.01	1.97	1.93	1.89	1.85	1.81	1.77	1.74	1.70	1.67
B2	2	31	0.93	0.54	0.33	0.21	0.15	0.12	0.10	0.09	0.08	0.08
B2	2	41	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	51	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	61	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	71	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	81	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	91	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	101	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
B2	2	111	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08

B2	2	121	0.08	0.08	0.08	0.08	0.08					
CH	5	229	11.08	10.96	10.85	10.75	10.64	10.54	10.43	10.33	10.23	10.13
CH	5	239	10.03	9.93	9.83	9.74	9.64	9.55	9.45	9.36	9.27	9.18
CH	5	249	9.09	9.00	8.91	8.82	8.74	8.65	8.57	8.48	8.40	8.32
CH	5	259	8.23	8.15	8.07	7.99	7.92	7.84	7.76	7.68	7.61	7.53
CH	5	269	7.46	7.39	7.33							
CW	8	347	7.22	7.15	7.08	7.01	6.94	6.88	6.81	6.75	6.68	6.62
CW	8	357	6.56	6.50	6.44	6.38	6.32	6.27	6.21	6.16	6.10	6.04
CW	8	367	6.87	6.80	6.74	6.68	6.62	6.56	6.50	6.44	6.38	6.32
CW	8	377	6.27	6.21	6.16	6.11	6.05	6.00	5.95	5.90	5.85	5.80
CW	8	387	5.75	5.71	5.66	5.62	5.57	5.53	5.48	5.44	5.40	5.36
CW	8	397	5.32	5.27	5.24	5.20	5.16	5.12	5.08	5.05	5.01	4.97
CW	8	407	4.94	4.90	4.87	4.84	4.80	4.77	4.74	4.71	4.68	4.65
CW	8	417	4.62	4.59	4.56							
I2	10	554	1.30	1.30	1.29	1.28	1.28	1.27	1.26	1.26	1.25	1.25
I2	10	564	1.24	1.23	1.23	1.22	1.22	1.21	1.20	1.20	1.19	1.19
I2	10	574	1.18	1.17	1.17	1.16	1.16	1.15	1.15	1.14	1.14	1.13
I2	10	584	1.12	1.12	1.11	1.11	1.10	1.10	1.09	1.09	1.08	1.08
I2	10	594	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.04	1.03	1.03
I2	10	604	1.02	1.02	1.01	1.01	1.00	1.00	0.99	0.99	0.98	0.98
I2	10	614	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.94
I2	10	624	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.89
I2	10	634	0.89	0.89	0.88	0.88	0.87	0.87	0.87	0.86	0.86	0.85
I2	10	644	0.85	0.85	0.84	0.84	0.84	0.83	0.83	0.82	0.82	0.82
I2	10	654	0.81	0.81	0.81	0.80	0.80	0.80	0.79	0.79	0.79	0.78
I2	10	664	0.78	0.78	0.79	0.79	0.79	0.78	0.78	0.78	0.77	0.77
I2	10	674	0.77	0.76	0.76	0.76	0.75	0.75	0.75	0.74	0.74	0.74
I2	10	684	0.73	0.73	0.73	0.72	0.72	0.72	0.72	0.71	0.71	0.71
I2	10	694	0.70	0.70	0.70	0.69	0.69	0.69	0.69	0.68	0.68	0.68
I2	10	704	0.68	0.67	0.67	0.67	0.66	0.66				
I3	12	829	1.30	1.29	1.28	1.26	1.25	1.24	1.23	1.22	1.21	1.20
I3	12	839	1.19	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09
I3	12	849	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	1.00	1.00
I3	12	859	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91
I3	12	869	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.84	0.83
I4	16	1047	0.82	0.82	0.81	0.81	0.80	0.80	0.79	0.79	0.78	0.78
I4	16	1057	0.77	0.77	0.76	0.76	0.75	0.75	0.74	0.74	0.73	0.73
I4	16	1067	0.72	0.72	0.72	0.71	0.71	0.70	0.70	0.69	0.69	0.68
I4	16	1077	0.68	0.68	0.67	0.67	0.66	0.66	0.66	0.65	0.65	0.64
I4	16	1087	0.64	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.60
I4	16	1097	0.60	0.60	0.59	0.59	0.59	0.58	0.58	0.57	0.57	0.57
I4	16	1107	0.56	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.54	0.53
I4	16	1117	0.53	0.53	0.52	0.52	0.52	0.51	0.51	0.51	0.50	0.50
I4	16	1127	0.50	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.47	0.47
I4	16	1137	0.47	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44
I4	16	1147	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.42	
P1	3	126	11.50	11.49	11.49	11.49	11.49	11.49	11.49	11.48	11.48	11.48
P1	3	136	11.48	11.48	11.48	11.48	11.47	11.47	11.47	11.47	11.47	11.47
P1	3	146	11.46	11.46	11.47	11.47	11.47	11.47	11.46	11.46	11.46	11.46
P1	3	156	11.46	11.46	11.47	11.46	11.46	11.46	11.46	11.46	11.46	11.46

P1	3	166	11.46	11.46	11.45	11.45	11.45	11.45	11.45	11.45	11.44	11.44
P1	3	176	11.44	11.44	11.44	11.44	11.44	11.43	11.43			
P2	4	183	11.43	11.42	11.41	11.47	11.48	11.48	11.47	11.46	11.46	11.45
P2	4	193	11.44	11.44	11.43	11.43	11.42	11.41	11.41	11.40	11.39	11.39
P2	4	203	11.38	11.38	11.37	11.36	11.36	11.35	11.35	11.34	11.33	11.33
P2	4	213	11.32	11.32	11.31	11.30	11.30	11.29	11.28	11.28	11.27	11.27
P2	4	223	11.26	11.25	11.25	11.24	11.24	11.23				
C1	6	272	9.37	9.46	9.55	9.63	9.71	9.78	9.85	9.92	9.98	10.04
C1	6	282	10.10	10.16	10.22	10.27	10.32	10.37	10.42	10.46	10.50	10.55
C1	6	292	10.59	10.63	10.66	10.70	10.73	10.77	10.80	10.83	10.86	10.89
C1	6	302	10.92	10.95	10.97							
C2	7	305	14.62	13.75	12.94	12.19	11.50	10.86	10.27	9.72	9.21	8.73
C2	7	315	8.29	7.87	7.49	7.13	6.79	6.47	6.18	5.90	5.64	5.40
C2	7	325	5.17	4.95	4.75	4.56	4.38	4.21	4.05	3.90	3.76	3.62
C2	7	335	3.49	3.37	3.26	3.15	3.04	2.95	2.85	2.77	2.68	2.60
C2	7	345	2.53	2.45								
I1	9	420	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.55	0.55
I1	9	430	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54
I1	9	440	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
I1	9	450	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.52	0.52	0.52
I1	9	460	0.52	0.52	0.52	0.58	0.58	0.58	0.58	0.58	0.57	0.57
I1	9	470	0.57	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.56	0.56
I1	9	480	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.54
I1	9	490	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53
I1	9	500	0.53	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52
I1	9	510	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I1	9	520	0.51	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I1	9	530	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
I1	9	540	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48
I1	9	550	0.58	0.58	0.58	0.58						
BP	11	710	4.93	4.94	4.94	4.94	4.95	4.95	4.95	4.95	4.96	4.96
BP	11	720	4.96	4.97	4.97	4.97	4.97	4.98	4.98	4.98	4.98	4.99
BP	11	730	4.99	4.99	5.00	5.00	5.00	5.00	5.01	5.01	5.01	11.13
BP	11	740	11.09	11.04	11.00	10.95	10.91	10.87	10.82	10.78	10.74	10.70
BP	11	750	10.65	10.61	10.57	10.53	10.49	10.45	10.41	10.37	10.33	10.29
BP	11	760	10.25	10.22	10.18	10.14	10.10	10.06	10.03	9.99	9.95	9.92
BP	11	770	9.88	9.85	9.81	9.78	9.74	9.71	9.67	9.64	9.61	9.63
BP	11	780	9.59	9.56	9.62	9.59	9.55	9.55	9.52	9.48	9.45	9.42
BP	11	790	9.39	9.36	9.33	9.29	9.26	9.23	9.21	9.18	9.15	9.12
BP	11	800	9.09	9.06	9.03	9.01	8.98	8.95	8.92	8.89	8.87	8.84
BP	11	810	8.81	8.78	8.76	8.73	8.70	8.68	8.65	8.63	8.60	8.57
BP	11	820	8.55	8.52	8.50	8.47	8.45	8.43	8.40	8.38	8.35	
U1	13	879	0.81	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.05
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	1.10	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Organic Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.59	1.58	1.58	1.57	1.57	1.57	1.56	1.56	1.55	1.55
B1	1	11	1.55	1.54	1.54	1.54	1.53	1.53	1.52	1.52	1.52	1.51
B1	1	21	1.51	1.51	1.50	1.50	1.49	1.49	1.49	1.48	1.48	1.48
B2	2	31	1.34	1.22	1.11	1.01	0.92	0.84	0.77	0.71	0.65	0.60
B2	2	41	0.56	0.51	0.48	0.44	0.41	0.38	0.36	0.34	0.32	0.30
B2	2	51	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18
B2	2	61	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.14	0.13
B2	2	71	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11
B2	2	81	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10
B2	2	91	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
B2	2	101	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
B2	2	111	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
B2	2	121	0.10	0.10	0.09	0.09	0.09					
CH	5	229	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79
CH	5	239	0.79	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.78
CH	5	249	0.78	0.78	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
CH	5	259	0.77	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
CH	5	269	0.76	0.75	0.75							
CW	8	347	0.75	0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74
CW	8	357	0.74	0.74	0.73	0.73	0.73	0.73	0.73	0.73	0.72	0.72
CW	8	367	0.78	0.78	0.78	0.78	0.77	0.77	0.77	0.77	0.77	0.77
CW	8	377	0.76	0.76	0.76	0.76	0.76	0.76	0.75	0.75	0.75	0.75
CW	8	387	0.75	0.75	0.74	0.74	0.74	0.74	0.74	0.74	0.73	0.73
CW	8	397	0.73	0.73	0.73	0.73	0.73	0.72	0.72	0.72	0.72	0.72
CW	8	407	0.72	0.71	0.71	0.71	0.71	0.71	0.71	0.70	0.70	0.70
CW	8	417	0.70	0.70	0.70							
I2	10	554	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	564	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	574	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	584	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	594	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	604	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	614	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	624	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	634	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	644	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

I2	10	654	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	664	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	674	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	684	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	694	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
I2	10	704	0.38	0.38	0.38	0.38	0.38	0.38				
I3	12	829	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50
I3	12	839	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I3	12	849	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I3	12	859	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I3	12	869	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I4	16	1047	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51
I4	16	1057	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I4	16	1067	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I4	16	1077	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I4	16	1087	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
I4	16	1097	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
I4	16	1107	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
I4	16	1117	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53
I4	16	1127	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
I4	16	1137	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
I4	16	1147	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	
P1	3	126	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P1	3	136	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P1	3	146	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P1	3	156	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P1	3	166	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P1	3	176	0.80	0.80	0.80	0.80	0.80	0.80	0.80			
P2	4	183	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81
P2	4	193	0.81	0.81	0.81	0.81	0.80	0.80	0.80	0.80	0.80	0.80
P2	4	203	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P2	4	213	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
P2	4	223	0.80	0.80	0.80	0.80	0.80	0.80				
C1	6	272	1.20	1.22	1.23	1.25	1.27	1.28	1.30	1.31	1.32	1.34
C1	6	282	1.35	1.36	1.38	1.39	1.40	1.41	1.42	1.44	1.45	1.46
C1	6	292	1.47	1.48	1.49	1.50	1.51	1.51	1.52	1.53	1.54	1.55
C1	6	302	1.56	1.56	1.57							
C2	7	305	1.59	1.57	1.54	1.51	1.49	1.46	1.44	1.42	1.40	1.38
C2	7	315	1.36	1.34	1.32	1.30	1.28	1.26	1.25	1.23	1.21	1.20
C2	7	325	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.06
C2	7	335	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
C2	7	345	0.95	0.94								
I1	9	420	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
I1	9	430	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
I1	9	440	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	450	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	460	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	470	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30
I1	9	480	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	490	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30

I1	9	500	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	510	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	520	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	530	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	540	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31
I1	9	550	0.31	0.31	0.31	0.31						
BP	11	710	1.60	1.60	1.59	1.59	1.59	1.59	1.59	1.58	1.58	1.58
BP	11	720	1.58	1.58	1.58	1.57	1.57	1.57	1.57	1.57	1.56	1.56
BP	11	730	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.55	1.54	1.88
BP	11	740	1.87	1.87	1.87	1.87	1.87	1.86	1.86	1.86	1.86	1.86
BP	11	750	1.85	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	1.84
BP	11	760	1.83	1.83	1.83	1.83	1.83	1.82	1.82	1.82	1.82	1.82
BP	11	770	1.81	1.81	1.81	1.81	1.81	1.80	1.80	1.80	1.80	1.80
BP	11	780	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.78	1.78
BP	11	790	1.78	1.78	1.78	1.77	1.77	1.77	1.77	1.77	1.77	1.76
BP	11	800	1.76	1.76	1.76	1.76	1.75	1.75	1.75	1.75	1.75	1.74
BP	11	810	1.74	1.74	1.74	1.74	1.74	1.73	1.73	1.73	1.73	1.73
BP	11	820	1.72	1.72	1.72	1.72	1.72	1.71	1.71	1.71	1.71	
U1	13	879	0.71	0.36	0.18	0.09	0.05	0.02	0.01	0.01	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.32
U1	13	909	0.21	0.14	0.10	0.07	0.04	0.03	0.02	0.01	0.01	0.01
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.30	0.23	0.18	0.15	0.11	0.09	0.07	0.06	0.04	0.04
U2	15	1017	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	1.31	1.25	1.21	1.18	1.16	1.15	1.14	1.14	1.14	1.13
LF	14	973	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LF	14	983	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LF	14	993	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
LF	14	1003	1.13	1.13	1.13	1.13						

INTERMEDIATE REPORT

Ammonia Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
B1	1	11	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06
B1	1	21	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
B2	2	31	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
B2	2	41	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
B2	2	51	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	61	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	71	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	81	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	91	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

B2	2	101	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	111	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B2	2	121	0.01	0.01	0.01	0.01	0.01					
CH	5	229	1.13	1.10	1.08	1.05	1.03	1.01	0.99	0.96	0.94	0.92
CH	5	239	0.90	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.76	0.74
CH	5	249	0.73	0.71	0.70	0.68	0.67	0.65	0.64	0.63	0.61	0.60
CH	5	259	0.59	0.57	0.56	0.55	0.54	0.53	0.51	0.50	0.49	0.48
CH	5	269	0.47	0.46	0.45							
CW	8	347	0.43	0.42	0.40	0.39	0.38	0.36	0.35	0.34	0.33	0.32
CW	8	357	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.23
CW	8	367	0.36	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26
CW	8	377	0.26	0.25	0.24	0.23	0.22	0.22	0.21	0.20	0.20	0.19
CW	8	387	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14
CW	8	397	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11
CW	8	407	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09
CW	8	417	0.09	0.08	0.08							
I2	10	554	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04
I2	10	564	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	574	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	584	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	594	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	604	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03
I2	10	614	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	624	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	634	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	644	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	654	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	664	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	674	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	684	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	694	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I2	10	704	0.03	0.03	0.03	0.03	0.03	0.03				
I3	12	829	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	839	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	849	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	859	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	869	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1047	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1057	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1067	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1077	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1087	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1097	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1107	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1117	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1127	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1137	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I4	16	1147	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
P1	3	126	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.24	1.24	1.24
P1	3	136	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24

P1	3	146	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
P1	3	156	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.23	1.23	1.23
P1	3	166	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
P1	3	176	1.23	1.23	1.23	1.23	1.23	1.23	1.23			
P2	4	183	1.23	1.22	1.22	1.23	1.23	1.23	1.23	1.23	1.22	1.22
P2	4	193	1.22	1.22	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.20
P2	4	203	1.20	1.20	1.20	1.20	1.20	1.19	1.19	1.19	1.19	1.19
P2	4	213	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.17	1.17	1.17
P2	4	223	1.17	1.17	1.17	1.16	1.16	1.16				
C1	6	272	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.07
C1	6	282	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06
C1	6	292	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
C1	6	302	0.05	0.05	0.05							
C2	7	305	1.17	1.05	0.95	0.86	0.78	0.70	0.64	0.58	0.53	0.48
C2	7	315	0.44	0.40	0.37	0.34	0.31	0.29	0.26	0.24	0.23	0.21
C2	7	325	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11
C2	7	335	0.10	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.06
C2	7	345	0.06	0.06								
I1	9	420	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	430	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	440	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	450	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	460	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	470	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	480	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	490	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	500	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	510	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
I1	9	520	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	530	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	540	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	550	0.04	0.04	0.04	0.04						
BP	11	710	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
BP	11	720	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03
BP	11	730	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.42
BP	11	740	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.37	0.37	0.36
BP	11	750	0.36	0.35	0.35	0.34	0.34	0.33	0.33	0.32	0.32	0.31
BP	11	760	0.31	0.31	0.30	0.30	0.30	0.29	0.29	0.28	0.28	0.28
BP	11	770	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.25	0.25	0.26
BP	11	780	0.26	0.25	0.27	0.26	0.26	0.26	0.26	0.25	0.25	0.25
BP	11	790	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23
BP	11	800	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.20
BP	11	810	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
BP	11	820	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	
U1	13	879	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
U1	13	909	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
LF	14	973	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
LF	14	983	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
LF	14	993	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
LF	14	1003	0.06	0.06	0.06	0.06						

INTERMEDIATE REPORT

Nitrate+Nitrite Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.50	1.50	1.50	1.51	1.51	1.51	1.51	1.51	1.52	1.52
B1	1	11	1.52	1.52	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54
B1	1	21	1.55	1.55	1.55	1.56	1.56	1.56	1.56	1.57	1.57	1.57
B2	2	31	1.69	1.79	1.88	1.97	2.04	2.10	2.16	2.20	2.25	2.28
B2	2	41	2.31	2.34	2.36	2.38	2.40	2.41	2.42	2.43	2.43	2.44
B2	2	51	2.44	2.44	2.44	2.44	2.44	2.44	2.43	2.43	2.43	2.42
B2	2	61	2.42	2.41	2.40	2.40	2.39	2.38	2.38	2.37	2.36	2.35
B2	2	71	2.34	2.34	2.33	2.32	2.31	2.30	2.30	2.29	2.28	2.27
B2	2	81	2.26	2.25	2.25	2.24	2.23	2.22	2.21	2.21	2.20	2.19
B2	2	91	2.18	2.18	2.17	2.16	2.15	2.15	2.14	2.13	2.12	2.12
B2	2	101	2.11	2.10	2.10	2.09	2.08	2.08	2.07	2.06	2.06	2.05
B2	2	111	2.04	2.04	2.03	2.02	2.02	2.01	2.01	2.00	1.99	1.99
B2	2	121	1.98	1.98	1.97	1.97	1.96					
CH	5	229	2.12	2.15	2.17	2.20	2.22	2.24	2.26	2.28	2.30	2.32
CH	5	239	2.34	2.35	2.37	2.38	2.40	2.41	2.42	2.44	2.45	2.46
CH	5	249	2.47	2.48	2.48	2.49	2.50	2.50	2.51	2.52	2.52	2.52
CH	5	259	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53
CH	5	269	2.53	2.52	2.52							
CW	8	347	2.50	2.49	2.48	2.48	2.47	2.46	2.45	2.45	2.44	2.43
CW	8	357	2.42	2.42	2.41	2.40	2.39	2.38	2.37	2.37	2.36	2.35
CW	8	367	2.31	2.31	2.30	2.30	2.30	2.30	2.29	2.29	2.29	2.28
CW	8	377	2.28	2.27	2.27	2.27	2.26	2.26	2.26	2.26	2.25	2.25
CW	8	387	2.25	2.24	2.24	2.24	2.24	2.23	2.23	2.23	2.23	2.23
CW	8	397	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
CW	8	407	2.22	2.22	2.22	2.22	2.22	2.22	2.23	2.23	2.23	2.23
CW	8	417	2.24	2.24	2.24							
I2	10	554	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
I2	10	564	1.89	1.89	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
I2	10	574	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
I2	10	584	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.91	1.91
I2	10	594	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
I2	10	604	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92
I2	10	614	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
I2	10	624	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92

I2	10	634	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
I2	10	644	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
I2	10	654	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94
I2	10	664	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
I2	10	674	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
I2	10	684	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
I2	10	694	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
I2	10	704	1.95	1.95	1.95	1.96	1.96	1.96				
I3	12	829	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
I3	12	839	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
I3	12	849	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
I3	12	859	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
I3	12	869	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.94
I4	16	1047	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
I4	16	1057	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
I4	16	1067	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
I4	16	1077	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
I4	16	1087	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
I4	16	1097	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
I4	16	1107	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
I4	16	1117	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
I4	16	1127	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.79
I4	16	1137	1.79	1.79	1.79	1.80	1.80	1.80	1.80	1.80	1.80	1.80
I4	16	1147	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	
P1	3	126	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
P1	3	136	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01
P1	3	146	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
P1	3	156	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
P1	3	166	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
P1	3	176	2.02	2.02	2.02	2.02	2.02	2.02	2.02			
P2	4	183	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04
P2	4	193	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.06
P2	4	203	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07
P2	4	213	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.09	2.09	2.09
P2	4	223	2.09	2.09	2.09	2.09	2.10	2.10				
C1	6	272	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09
C1	6	282	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
C1	6	292	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
C1	6	302	0.11	0.11	0.11							
C2	7	305	0.37	0.47	0.55	0.61	0.67	0.72	0.75	0.78	0.81	0.83
C2	7	315	0.84	0.85	0.85	0.85	0.85	0.84	0.83	0.82	0.81	0.79
C2	7	325	0.77	0.75	0.73	0.71	0.69	0.66	0.63	0.61	0.58	0.55
C2	7	335	0.52	0.49	0.46	0.43	0.39	0.36	0.33	0.29	0.26	0.22
C2	7	345	0.19	0.15								
I1	9	420	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.71	1.71
I1	9	430	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
I1	9	440	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.72
I1	9	450	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
I1	9	460	1.72	1.72	1.72	1.75	1.75	1.75	1.75	1.75	1.75	1.75
I1	9	470	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75

I1	9	480	1.75	1.75	1.75	1.75	1.76	1.76	1.76	1.76	1.76	1.76
I1	9	490	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
I1	9	500	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.77	1.77
I1	9	510	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
I1	9	520	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
I1	9	530	1.77	1.77	1.77	1.77	1.77	1.78	1.78	1.78	1.78	1.78
I1	9	540	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
I1	9	550	1.81	1.81	1.81	1.81						
BP	11	710	1.59	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.50	1.49
BP	11	720	1.48	1.47	1.46	1.45	1.45	1.44	1.43	1.42	1.41	1.40
BP	11	730	1.39	1.38	1.37	1.37	1.36	1.35	1.34	1.33	1.33	1.35
BP	11	740	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	1.36	1.36
BP	11	750	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
BP	11	760	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
BP	11	770	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.37	1.37
BP	11	780	1.37	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.38
BP	11	790	1.38	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.40
BP	11	800	1.40	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.42
BP	11	810	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.43	1.44	1.44
BP	11	820	1.44	1.45	1.45	1.45	1.45	1.46	1.46	1.46	1.47	
U1	13	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	0.55	1.05	1.45	1.77	2.01	2.17	2.25	2.26	2.19	2.06
LF	14	973	1.85	1.57	1.21	0.79	0.29	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL Model for Upper Terrebonne

mg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B1	1	11	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B1	1	21	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B2	2	31	3.10	3.08	3.06	3.03	3.01	2.99	2.98	2.96	2.94	2.92
B2	2	41	2.90	2.88	2.87	2.85	2.83	2.82	2.80	2.78	2.77	2.75
B2	2	51	2.74	2.72	2.71	2.69	2.68	2.67	2.65	2.64	2.63	2.61
B2	2	61	2.60	2.59	2.58	2.56	2.55	2.54	2.53	2.52	2.50	2.49
B2	2	71	2.48	2.47	2.46	2.45	2.44	2.43	2.42	2.41	2.40	2.39

B2	2	81	2.38	2.37	2.36	2.35	2.34	2.34	2.33	2.32	2.31	2.30
B2	2	91	2.29	2.28	2.28	2.27	2.26	2.25	2.24	2.24	2.23	2.22
B2	2	101	2.21	2.21	2.20	2.19	2.19	2.18	2.17	2.17	2.16	2.15
B2	2	111	2.15	2.14	2.13	2.13	2.12	2.11	2.11	2.10	2.10	2.09
B2	2	121	2.08	2.08	2.07	2.07	2.06					
CH	5	229	4.05	4.05	4.05	4.05	4.05	4.04	4.04	4.04	4.03	4.03
CH	5	239	4.03	4.02	4.02	4.01	4.01	4.00	4.00	3.99	3.98	3.98
CH	5	249	3.97	3.96	3.95	3.95	3.94	3.93	3.92	3.91	3.90	3.89
CH	5	259	3.88	3.87	3.86	3.84	3.83	3.82	3.81	3.79	3.78	3.77
CH	5	269	3.75	3.74	3.73							
CW	8	347	3.68	3.66	3.64	3.62	3.59	3.57	3.55	3.53	3.51	3.49
CW	8	357	3.47	3.45	3.43	3.41	3.39	3.37	3.35	3.33	3.32	3.30
CW	8	367	3.45	3.43	3.41	3.40	3.38	3.37	3.35	3.34	3.33	3.31
CW	8	377	3.30	3.28	3.27	3.26	3.25	3.24	3.22	3.21	3.20	3.19
CW	8	387	3.18	3.17	3.16	3.15	3.14	3.13	3.13	3.12	3.11	3.10
CW	8	397	3.10	3.09	3.08	3.08	3.07	3.07	3.06	3.06	3.05	3.05
CW	8	407	3.04	3.04	3.04	3.03	3.03	3.03	3.03	3.03	3.02	3.02
CW	8	417	3.02	3.02	3.02							
I2	10	554	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
I2	10	564	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
I2	10	574	2.32	2.32	2.32	2.32	2.32	2.33	2.33	2.33	2.33	2.33
I2	10	584	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
I2	10	594	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
I2	10	604	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
I2	10	614	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.34	2.34	2.34
I2	10	624	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
I2	10	634	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
I2	10	644	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
I2	10	654	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.35	2.35
I2	10	664	2.35	2.35	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36
I2	10	674	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36
I2	10	684	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36
I2	10	694	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36
I2	10	704	2.36	2.36	2.36	2.36	2.36	2.37				
I3	12	829	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
I3	12	839	2.45	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46
I3	12	849	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.47
I3	12	859	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
I3	12	869	2.47	2.47	2.47	2.47	2.47	2.47	2.48	2.48	2.48	2.48
I4	16	1047	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
I4	16	1057	2.31	2.31	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
I4	16	1067	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
I4	16	1077	2.32	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
I4	16	1087	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
I4	16	1097	2.33	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
I4	16	1107	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
I4	16	1117	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
I4	16	1127	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.36
I4	16	1137	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36
I4	16	1147	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.37	

P1	3	126	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04
P1	3	136	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04
P1	3	146	4.04	4.04	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
P1	3	156	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
P1	3	166	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
P1	3	176	4.05	4.05	4.05	4.05	4.05	4.05	4.05			
P2	4	183	4.05	4.05	4.05	4.06	4.07	4.07	4.07	4.07	4.07	4.07
P2	4	193	4.07	4.07	4.07	4.07	4.07	4.07	4.06	4.06	4.06	4.06
P2	4	203	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
P2	4	213	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
P2	4	223	4.06	4.06	4.06	4.06	4.06	4.06				
C1	6	272	1.37	1.38	1.40	1.42	1.43	1.45	1.46	1.48	1.49	1.50
C1	6	282	1.52	1.53	1.54	1.55	1.56	1.57	1.59	1.60	1.61	1.62
C1	6	292	1.63	1.64	1.65	1.66	1.67	1.67	1.68	1.69	1.70	1.71
C1	6	302	1.72	1.72	1.73							
C2	7	305	3.13	3.08	3.03	2.98	2.93	2.88	2.83	2.78	2.73	2.69
C2	7	315	2.64	2.59	2.54	2.49	2.44	2.39	2.34	2.29	2.25	2.20
C2	7	325	2.15	2.10	2.05	2.01	1.96	1.91	1.86	1.81	1.77	1.72
C2	7	335	1.67	1.62	1.58	1.53	1.48	1.43	1.39	1.34	1.29	1.24
C2	7	345	1.20	1.15								
I1	9	420	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02
I1	9	430	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
I1	9	440	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03
I1	9	450	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
I1	9	460	2.03	2.03	2.03	2.07	2.07	2.07	2.07	2.07	2.07	2.08
I1	9	470	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
I1	9	480	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
I1	9	490	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.09	2.09
I1	9	500	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09
I1	9	510	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.10
I1	9	520	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
I1	9	530	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
I1	9	540	2.10	2.10	2.10	2.10	2.11	2.11	2.11	2.11	2.11	2.11
I1	9	550	2.16	2.16	2.16	2.16						
BP	11	710	3.19	3.18	3.17	3.16	3.14	3.13	3.12	3.11	3.10	3.09
BP	11	720	3.08	3.07	3.06	3.05	3.04	3.03	3.02	3.01	3.00	2.99
BP	11	730	2.98	2.97	2.96	2.96	2.95	2.94	2.93	2.92	2.91	3.64
BP	11	740	3.64	3.63	3.62	3.62	3.61	3.60	3.59	3.59	3.58	3.57
BP	11	750	3.57	3.56	3.55	3.55	3.54	3.53	3.53	3.52	3.52	3.51
BP	11	760	3.50	3.50	3.49	3.49	3.48	3.48	3.47	3.46	3.46	3.45
BP	11	770	3.45	3.44	3.44	3.43	3.43	3.43	3.42	3.42	3.41	3.42
BP	11	780	3.42	3.41	3.43	3.43	3.42	3.42	3.42	3.42	3.41	3.41
BP	11	790	3.41	3.40	3.40	3.40	3.40	3.39	3.39	3.39	3.39	3.38
BP	11	800	3.38	3.38	3.38	3.38	3.37	3.37	3.37	3.37	3.37	3.36
BP	11	810	3.36	3.36	3.36	3.36	3.36	3.36	3.35	3.35	3.35	3.35
BP	11	820	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	
U1	13	879	0.75	0.38	0.20	0.10	0.05	0.03	0.01	0.01	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.34
U1	13	909	0.23	0.15	0.10	0.07	0.05	0.03	0.02	0.01	0.01	0.01

U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.31	0.25	0.20	0.15	0.12	0.10	0.08	0.06	0.05	0.04
U2	15	1017	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	1.93	2.37	2.73	3.02	3.24	3.38	3.46	3.46	3.40	3.26
LF	14	973	3.05	2.76	2.41	1.98	1.49	1.19	1.19	1.19	1.19	1.19
LF	14	983	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
LF	14	993	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
LF	14	1003	1.19	1.19	1.19	1.19						

INTERMEDIATE REPORT

Chlorophyll a — LA-QUAL Model for Upper Terrebonne

µg/L — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	1.53	3.07	4.60	6.14	7.67	9.21	10.74	12.28	13.81	15.35
CH	5	239	16.88	18.42	19.95	21.49	23.02	24.56	26.09	27.63	29.16	30.70
CH	5	249	32.23	33.77	35.30	36.84	38.37	39.91	41.44	42.98	44.51	46.05
CH	5	259	47.58	49.12	50.65	52.19	53.72	55.26	56.79	58.33	59.86	61.40
CH	5	269	62.93	64.47	66.00							
CW	8	347	65.10	64.19	63.29	62.38	61.48	60.58	59.67	58.77	57.86	56.96
CW	8	357	56.05	55.15	54.25	53.34	52.44	51.53	50.63	49.73	48.82	47.92
CW	8	367	47.01	46.11	45.21	44.30	43.40	42.49	41.59	40.68	39.78	38.88
CW	8	377	37.97	37.07	36.16	35.26	34.36	33.45	32.55	31.64	30.74	29.84
CW	8	387	28.93	28.03	27.12	26.22	25.32	24.41	23.51	22.60	21.70	20.79
CW	8	397	19.89	18.99	18.08	17.18	16.27	15.37	14.47	13.56	12.66	11.75
CW	8	407	10.85	9.95	9.04	8.14	7.23	6.33	5.42	4.52	3.62	2.71
CW	8	417	1.81	0.90	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	1.57	3.14	4.71	6.29	7.86	9.43	11.00	12.57	14.14	15.71
C2	7	315	17.29	18.86	20.43	22.00	23.57	25.14	26.71	28.29	29.86	31.43
C2	7	325	33.00	34.57	36.14	37.71	39.29	40.86	42.43	44.00	45.57	47.14
C2	7	335	48.71	50.29	51.86	53.43	55.00	56.57	58.14	59.71	61.29	62.86
C2	7	345	64.43	66.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I1	9	460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	470	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	550	0.00	0.00	0.00	0.00						
BP	11	710	57.51	57.03	56.54	56.05	55.56	55.08	54.59	54.10	53.61	53.13
BP	11	720	52.64	52.15	51.66	51.18	50.69	50.20	49.71	49.23	48.74	48.25
BP	11	730	47.76	47.28	46.79	46.30	45.82	45.33	44.84	44.35	43.87	43.38
BP	11	740	42.89	42.40	41.92	41.43	40.94	40.45	39.97	39.48	38.99	38.50
BP	11	750	38.02	37.53	37.04	36.55	36.07	35.58	35.09	34.61	34.12	33.63
BP	11	760	33.14	32.66	32.17	31.68	31.19	30.71	30.22	29.73	29.24	28.76
BP	11	770	28.27	27.78	27.29	26.81	26.32	25.83	25.34	24.86	24.37	23.88
BP	11	780	23.39	22.91	22.42	21.93	21.45	20.96	20.47	19.98	19.50	19.01
BP	11	790	18.52	18.03	17.55	17.06	16.57	16.08	15.60	15.11	14.62	14.13
BP	11	800	13.65	13.16	12.67	12.18	11.70	11.21	10.72	10.24	9.75	9.26
BP	11	810	8.77	8.29	7.80	7.31	6.82	6.34	5.85	5.36	4.87	4.39
BP	11	820	3.90	3.41	2.92	2.44	1.95	1.46	0.97	0.49	0.00	
U1	13	879	32.07	32.14	32.21	32.29	32.36	32.43	32.50	32.57	32.64	32.71
U1	13	889	32.79	32.86	32.93	33.00	33.07	33.14	33.21	33.29	33.36	33.43
U1	13	899	33.50	33.57	33.64	33.71	33.79	33.86	33.93	34.00	34.07	34.14
U1	13	909	34.21	34.29	34.36	34.43	34.50	34.57	34.64	34.71	34.79	34.86
U1	13	919	34.93	35.00	35.07	35.14	35.21	35.29	35.36	35.43	35.50	35.57
U1	13	929	35.64	35.71	35.79	35.86	35.93	36.00	36.07	36.14	36.21	36.29
U1	13	939	36.36	36.43	36.50	36.57	36.64	36.71	36.79	36.86	36.93	37.00
U1	13	949	37.07	37.14	37.21	37.29	37.36	37.43	37.50	37.57	37.64	37.71
U1	13	959	37.79	37.86	37.93	38.00						
U2	15	1007	37.05	36.10	35.15	34.20	33.25	32.30	31.35	30.40	29.45	28.50
U2	15	1017	27.55	26.60	25.65	24.70	23.75	22.80	21.85	20.90	19.95	19.00
U2	15	1027	18.05	17.10	16.15	15.20	14.25	13.30	12.35	11.40	10.45	9.50
U2	15	1037	8.55	7.60	6.65	5.70	4.75	3.80	2.85	1.90	0.95	0.00
LF	14	963	0.86	1.73	2.59	3.45	4.32	5.18	6.05	6.91	7.77	8.64
LF	14	973	9.50	10.36	11.23	12.09	12.95	13.82	14.68	15.55	16.41	17.27
LF	14	983	18.14	19.00	19.86	20.73	21.59	22.45	23.32	24.18	25.05	25.91
LF	14	993	26.77	27.64	28.50	29.36	30.23	31.09	31.95	32.82	33.68	34.55
LF	14	1003	35.41	36.27	37.14	38.00						

INTERMEDIATE REPORT

Temperature — LA-QUAL Model for Upper Terrebonne

deg C — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B1	1	11	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B1	1	21	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	31	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	41	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	51	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

B2	2	61	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	71	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	81	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	91	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	101	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	111	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	121	30.00	30.00	30.00	30.00	30.00					
CH	5	229	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	239	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	249	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	259	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	269	30.00	30.00	30.00							
CW	8	347	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	357	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	367	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	377	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	387	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	397	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	407	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	417	30.00	30.00	30.00							
I2	10	554	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	564	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	574	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	584	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	594	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	604	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	614	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	624	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	634	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	644	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	654	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	664	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	674	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	684	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	694	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	704	30.00	30.00	30.00	30.00	30.00	30.00				
I3	12	829	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	839	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	849	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	859	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	869	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1047	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1057	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1067	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1077	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1087	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1097	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1107	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1117	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1127	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

I4	16	1137	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1147	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
P1	3	126	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	136	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	146	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	156	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	166	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	176	30.00	30.00	30.00	30.00	30.00	30.00	30.00			
P2	4	183	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	193	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	203	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	213	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	223	30.00	30.00	30.00	30.00	30.00	30.00				
C1	6	272	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C1	6	282	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C1	6	292	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C1	6	302	30.00	30.00	30.00							
C2	7	305	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	315	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	325	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	335	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	345	30.00	30.00								
I1	9	420	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	430	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	440	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	450	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	460	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	470	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	480	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	490	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	500	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	510	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	520	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	530	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	540	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	550	30.00	30.00	30.00	30.00						
BP	11	710	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	720	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	730	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	740	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	750	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	760	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	770	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	780	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	790	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	800	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	810	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	820	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
U1	13	879	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	889	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

U1	13	899	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	909	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	919	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	929	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	939	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	949	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	959	30.00	30.00	30.00	30.00						
U2	15	1007	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1017	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1027	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1037	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	963	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	973	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	983	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	993	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	1003	30.00	30.00	30.00	30.00						

INTERMEDIATE REPORT

Salinity — LA-QUAL Model for Upper Terrebonne

ppt — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	239	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	249	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	259	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	269	0.00	0.00	0.00							
CW	8	347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	357	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	367	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	397	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	417	0.00	0.00	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	345	0.00	0.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	470	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	550	0.00	0.00	0.00	0.00						
BP	11	710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	720	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	730	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	740	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	770	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	790	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	810	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
U1	13	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Reaeration Rate — LA-QUAL Model for Upper Terrebonne

per day — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026
B1	1	11	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026
B1	1	21	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026	4.026
B2	2	31	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842

B2	2	41	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	51	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	61	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	71	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	81	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	91	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	101	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	111	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	121	0.842	0.842	0.842	0.842	0.842					
CH	5	229	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	239	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	249	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	259	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	269	0.351	0.351	0.351							
CW	8	347	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	357	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	367	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	377	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	387	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	397	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	407	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	417	0.301	0.301	0.301							
I2	10	554	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	564	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	574	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	584	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	594	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	604	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	614	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	624	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	634	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	644	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	654	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	664	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	674	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	684	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	694	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	704	0.281	0.281	0.281	0.281	0.281	0.281				
I3	12	829	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	839	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	849	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	859	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	869	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I4	16	1047	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1057	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1067	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1077	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1087	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1097	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1107	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337

I4	16	1117	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1127	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1137	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
I4	16	1147	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	
P1	3	126	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	136	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	146	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	156	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	166	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	176	12.029	12.029	12.029	12.029	12.029	12.029	12.029			
P2	4	183	5.960	5.960	5.960	5.964	5.965	5.965	5.965	5.965	5.965	5.965
P2	4	193	5.965	5.965	5.966	5.966	5.966	5.966	5.966	5.966	5.966	5.966
P2	4	203	5.966	5.967	5.967	5.967	5.967	5.967	5.967	5.967	5.967	5.967
P2	4	213	5.968	5.968	5.968	5.968	5.968	5.968	5.968	5.968	5.968	5.969
P2	4	223	5.969	5.969	5.969	5.969	5.969	5.969				
C1	6	272	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
C1	6	282	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
C1	6	292	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
C1	6	302	12.029	12.029	12.029							
C2	7	305	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	315	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	325	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	335	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	345	2.807	2.807								
I1	9	420	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	430	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	440	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	450	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	460	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	470	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	480	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	490	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	500	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	510	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	520	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	530	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	540	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	550	0.281	0.281	0.281	0.281						
BP	11	710	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	720	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	730	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	740	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	750	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	760	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	770	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	780	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	790	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	800	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	810	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	820	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	

U1	13	879	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	889	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	899	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	909	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	919	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	929	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	939	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	949	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
U1	13	959	0.765	0.765	0.765	0.765						
U2	15	1007	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
U2	15	1017	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
U2	15	1027	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
U2	15	1037	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
LF	14	963	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053
LF	14	973	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053
LF	14	983	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053
LF	14	993	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053
LF	14	1003	1.053	1.053	1.053	1.053						

INTERMEDIATE REPORT

BOD Decay Rate — LA-QUAL Model for Upper Terrebonne

per day — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B1	1	11	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B1	1	21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	31	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	41	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	51	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	61	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	71	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	81	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	91	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	101	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	111	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	121	0.21	0.21	0.21	0.21	0.21					
CH	5	229	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	239	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	249	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	259	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	269	0.17	0.17	0.17							
CW	8	347	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	357	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	367	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	377	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	387	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	397	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	407	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	417	0.17	0.17	0.17							
I2	10	554	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	564	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

I2	10	574	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	584	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	594	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	604	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	614	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	624	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	634	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	644	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	654	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	664	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	674	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	684	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	694	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	704	0.21	0.21	0.21	0.21	0.21	0.21				
I3	12	829	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	839	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	849	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	859	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	869	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1047	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1057	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1067	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1077	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1087	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1097	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1107	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1117	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1127	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1137	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1147	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	
P1	3	126	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	136	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	146	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	156	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	166	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	176	0.16	0.16	0.16	0.16	0.16	0.16	0.16			
P2	4	183	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	193	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	203	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	213	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	223	0.16	0.16	0.16	0.16	0.16	0.16				
C1	6	272	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	282	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	292	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	302	0.21	0.21	0.21							
C2	7	305	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	315	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	325	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	335	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	345	0.21	0.21								

I1	9	420	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	430	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	440	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	450	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	460	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	470	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	480	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	490	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	500	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	510	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	520	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	530	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	540	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	550	0.21	0.21	0.21	0.21						
BP	11	710	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	720	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	730	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	740	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	750	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	760	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	770	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	780	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	790	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	800	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	810	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	820	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
U1	13	879	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	889	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	899	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	909	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	919	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	929	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	939	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	949	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	959	0.47	0.47	0.47	0.47						
U2	15	1007	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1017	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1027	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1037	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	963	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	973	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	983	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	993	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	1003	0.47	0.47	0.47	0.47						

INTERMEDIATE REPORT

BOD Settling Rate per day

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	239	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	249	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	259	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	269	0.00	0.00	0.00							
CW	8	347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	357	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	367	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	397	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	417	0.00	0.00	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	345	0.00	0.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	470	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	550	0.00	0.00	0.00	0.00						
BP	11	710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	720	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	730	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	740	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	770	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	790	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

BP	11	810	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
U1	13	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

Ammonia Decay Rate — LA-QUAL Model for Upper Terrebonne

per day — TMDL Simulation for Upper Terrebonne model

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
B1	1	11	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B1	1	21	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	31	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44
B2	2	41	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	51	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	61	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	71	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	81	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	91	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	101	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	111	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
B2	2	121	0.44	0.44	0.44	0.44	0.44					
CH	5	229	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41
CH	5	239	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
CH	5	249	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42
CH	5	259	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43
CH	5	269	0.43	0.44	0.44							
CW	8	347	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	357	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	367	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	377	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	387	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	397	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	407	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	417	0.44	0.44	0.43							

I2	10	554	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42
I2	10	564	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	574	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	584	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	594	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	604	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	614	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41
I2	10	624	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	634	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	644	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	654	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	664	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	674	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	684	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	694	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	704	0.41	0.41	0.41	0.41	0.41	0.41				
I3	12	829	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	839	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	849	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	859	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	869	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1047	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1057	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1067	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1077	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1087	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1097	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1107	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1117	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1127	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1137	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1147	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	
P1	3	126	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P1	3	136	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P1	3	146	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43
P1	3	156	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P1	3	166	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P1	3	176	0.43	0.43	0.43	0.43	0.43	0.43	0.43			
P2	4	183	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P2	4	193	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P2	4	203	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P2	4	213	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
P2	4	223	0.43	0.43	0.43	0.43	0.43	0.43				
C1	6	272	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C1	6	282	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C1	6	292	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C1	6	302	0.42	0.42	0.42							
C2	7	305	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42
C2	7	315	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43
C2	7	325	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

C2	7	335	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
C2	7	345	0.44	0.44								
I1	9	420	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
I1	9	430	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	440	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	450	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	460	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	470	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	480	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	490	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	500	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	510	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	520	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	530	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	540	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	550	0.43	0.43	0.42	0.42						
BP	11	710	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43
BP	11	720	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	730	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	740	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	750	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	760	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	770	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43
BP	11	780	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
BP	11	790	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
BP	11	800	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BP	11	810	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BP	11	820	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	
U1	13	879	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	889	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	899	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	909	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	919	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	929	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	939	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	949	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U1	13	959	0.44	0.44	0.44	0.44						
U2	15	1007	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U2	15	1017	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
U2	15	1027	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43
U2	15	1037	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41
LF	14	963	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
LF	14	973	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43
LF	14	983	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44
LF	14	993	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
LF	14	1003	0.44	0.44	0.44	0.44						

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL Model for Upper Terrebonne

g/m²/d — TMDL Simulation for Upper Terrebonne model

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

B1	1	1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B1	1	11	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B1	1	21	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	31	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	41	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	51	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	61	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	71	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	81	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	91	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	101	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	111	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
B2	2	121	0.19	0.19	0.19	0.19	0.19					
CH	5	229	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
CH	5	239	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
CH	5	249	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
CH	5	259	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
CH	5	269	0.19	0.19	0.19							
CW	8	347	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	357	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	367	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	377	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	387	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	397	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	407	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	417	1.88	1.88	1.88							
I2	10	554	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	564	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	574	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	584	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	594	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	604	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	614	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	624	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	634	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	644	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	654	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	664	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	674	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	684	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	694	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	704	1.88	1.88	1.88	1.88	1.88	1.88				
I3	12	829	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I3	12	839	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I3	12	849	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I3	12	859	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I3	12	869	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I4	16	1047	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1057	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1067	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31

I4	16	1077	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1087	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1097	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1107	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1117	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1127	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1137	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1147	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
P1	3	126	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P1	3	136	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P1	3	146	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P1	3	156	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P1	3	166	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P1	3	176	0.19	0.19	0.19	0.19	0.19	0.19	0.19			
P2	4	183	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P2	4	193	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P2	4	203	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P2	4	213	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
P2	4	223	0.19	0.19	0.19	0.19	0.19	0.19				
C1	6	272	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	282	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	292	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	302	1.88	1.88	1.88							
C2	7	305	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
C2	7	315	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
C2	7	325	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
C2	7	335	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
C2	7	345	1.05	1.05								
I1	9	420	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	430	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	440	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	450	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	460	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	470	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	480	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	490	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	500	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	510	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	520	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	530	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	540	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	550	0.94	0.94	0.94	0.94						
BP	11	710	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	720	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	730	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	740	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	750	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	760	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	770	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	780	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94

BP	11	790	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	800	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	810	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	820	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	
U1	13	879	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	889	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	899	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	909	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	919	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	929	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	939	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	949	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	959	1.88	1.88	1.88	1.88						
U2	15	1007	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1017	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1027	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1037	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
LF	14	963	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
LF	14	973	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
LF	14	983	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
LF	14	993	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
LF	14	1003	1.69	1.69	1.69	1.69						

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
		HDWTR	0.003	28.7	0.0	5.0	3.1	0.0	1.6	0.0	0.0												
1	B1 1	55.50	0.003	30.0	0.0	5.6	3.0	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.42	0.19
2	B1 1	55.40	0.003	30.0	0.0	6.1	3.0	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.42	0.19
3	B1 1	55.30	0.003	30.0	0.0	6.4	2.9	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
4	B1 1	55.20	0.003	30.0	0.0	6.6	2.9	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
5	B1 1	55.10	0.003	30.0	0.0	6.8	2.8	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
6	B1 1	55.00	0.003	30.0	0.0	6.9	2.7	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
7	B1 1	54.90	0.003	30.0	0.0	7.0	2.7	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
8	B1 1	54.80	0.003	30.0	0.0	7.1	2.6	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
9	B1 1	54.70	0.003	30.0	0.0	7.1	2.6	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
10	B1 1	54.60	0.003	30.0	0.0	7.1	2.5	0.0	1.6	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
11	B1 1	54.50	0.003	30.0	0.0	7.2	2.5	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
12	B1 1	54.40	0.003	30.0	0.0	7.2	2.4	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
13	B1 1	54.30	0.003	30.0	0.0	7.2	2.4	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.43	0.19
14	B1 1	54.20	0.003	30.0	0.0	7.2	2.3	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
15	B1 1	54.10	0.003	30.0	0.0	7.2	2.3	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
16	B1 1	54.00	0.003	30.0	0.0	7.2	2.2	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
17	B1 1	53.90	0.003	30.0	0.0	7.2	2.2	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
18	B1 1	53.80	0.003	30.0	0.0	7.2	2.1	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
19	B1 1	53.70	0.003	30.0	0.0	7.2	2.1	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
20	B1 1	53.60	0.003	30.0	0.0	7.2	2.1	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
21	B1 1	53.50	0.003	30.0	0.0	7.2	2.0	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
22	B1 1	53.40	0.003	30.0	0.0	7.2	2.0	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
23	B1 1	53.30	0.003	30.0	0.0	7.2	1.9	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19

24	B1	1	53.20	0.003	30.0	0.0	7.2	1.9	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
25	B1	1	53.10	0.003	30.0	0.0	7.2	1.8	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
26	B1	1	53.00	0.003	30.0	0.0	7.2	1.8	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
27	B1	1	52.90	0.003	30.0	0.0	7.2	1.8	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
28	B1	1	52.80	0.003	30.0	0.0	7.2	1.7	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
29	B1	1	52.70	0.003	30.0	0.0	7.2	1.7	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
30	B1	1	52.60	0.003	30.0	0.0	7.3	1.7	0.0	1.5	0.1	0.0	0.0	0.25	1.0	0.011	0.011	7.6	4.026	0.21	0.00	0.00	0.00	0.44	0.19
31	B2	2	52.50	0.003	30.0	0.0	7.0	0.9	0.0	1.3	0.1	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
32	B2	2	52.40	0.003	30.0	0.0	7.0	0.5	0.0	1.2	0.1	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
33	B2	2	52.30	0.003	30.0	0.0	7.1	0.3	0.0	1.1	0.1	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
34	B2	2	52.20	0.003	30.0	0.0	7.1	0.2	0.0	1.0	0.1	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
35	B2	2	52.10	0.003	30.0	0.0	7.2	0.2	0.0	0.9	0.1	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
36	B2	2	52.00	0.003	30.0	0.0	7.2	0.1	0.0	0.8	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
37	B2	2	51.90	0.003	30.0	0.0	7.2	0.1	0.0	0.8	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.43	0.19
38	B2	2	51.80	0.003	30.0	0.0	7.2	0.1	0.0	0.7	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
39	B2	2	51.70	0.003	30.0	0.0	7.2	0.1	0.0	0.7	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
40	B2	2	51.60	0.003	30.0	0.0	7.2	0.1	0.0	0.6	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
41	B2	2	51.50	0.003	30.0	0.0	7.2	0.1	0.0	0.6	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
42	B2	2	51.40	0.003	30.0	0.0	7.2	0.1	0.0	0.5	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
43	B2	2	51.30	0.003	30.0	0.0	7.2	0.1	0.0	0.5	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
44	B2	2	51.20	0.003	30.0	0.0	7.3	0.1	0.0	0.4	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
45	B2	2	51.10	0.003	30.0	0.0	7.3	0.1	0.0	0.4	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
46	B2	2	51.00	0.003	30.0	0.0	7.3	0.1	0.0	0.4	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
47	B2	2	50.90	0.003	30.0	0.0	7.3	0.1	0.0	0.4	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
48	B2	2	50.80	0.003	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
49	B2	2	50.70	0.003	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
50	B2	2	50.60	0.003	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
51	B2	2	50.50	0.003	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
52	B2	2	50.40	0.003	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
53	B2	2	50.30	0.004	30.0	0.0	7.3	0.1	0.0	0.3	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
54	B2	2	50.20	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
55	B2	2	50.10	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
56	B2	2	50.00	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
57	B2	2	49.90	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
58	B2	2	49.80	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
59	B2	2	49.70	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
60	B2	2	49.60	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
61	B2	2	49.50	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
62	B2	2	49.40	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
63	B2	2	49.30	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
64	B2	2	49.20	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
65	B2	2	49.10	0.004	30.0	0.0	7.3	0.1	0.0	0.2	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
66	B2	2	49.00	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
67	B2	2	48.90	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
68	B2	2	48.80	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
69	B2	2	48.70	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
70	B2	2	48.60	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
71	B2	2	48.50	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
72	B2	2	48.40	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
73	B2	2	48.30	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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	B2 2	48.20	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
75	B2 2	48.10	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
76	B2 2	48.00	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
77	B2 2	47.90	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
78	B2 2	47.80	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
79	B2 2	47.70	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
80	B2 2	47.60	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
81	B2 2	47.50	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
82	B2 2	47.40	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
83	B2 2	47.30	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
84	B2 2	47.20	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
85	B2 2	47.10	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
86	B2 2	47.00	0.004	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
87	B2 2	46.90	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
88	B2 2	46.80	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
89	B2 2	46.70	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
90	B2 2	46.60	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
91	B2 2	46.50	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
92	B2 2	46.40	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
93	B2 2	46.30	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
94	B2 2	46.20	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
95	B2 2	46.10	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
96	B2 2	46.00	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
97	B2 2	45.90	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
98	B2 2	45.80	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
99	B2 2	45.70	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
100	B2 2	45.60	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
101	B2 2	45.50	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
102	B2 2	45.40	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
103	B2 2	45.30	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.000	0.000	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
104	B2 2	45.20	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
105	B2 2	45.10	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
106	B2 2	45.00	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
107	B2 2	44.90	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
108	B2 2	44.80	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
109	B2 2	44.70	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
110	B2 2	44.60	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
111	B2 2	44.50	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
112	B2 2	44.40	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
113	B2 2	44.30	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
114	B2 2	44.20	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
115	B2 2	44.10	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
116	B2 2	44.00	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
117	B2 2	43.90	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
118	B2 2	43.80	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
119	B2 2	43.70	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19

120	B2	2	43.60	0.005	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
121	B2	2	43.50	0.006	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
122	B2	2	43.40	0.006	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
123	B2	2	43.30	0.006	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
124	B2	2	43.20	0.006	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
125	B2	2	43.10	0.006	30.0	0.0	7.3	0.1	0.0	0.1	0.0	0.0	0.0	1.00	10.0	0.001	0.001	7.6	0.842	0.21	0.00	0.00	0.00	0.44	0.19
TRIBUTARY # 126 (Bayou Poydras #1) ENTERS HERE																										
229	CH	5	43.00	1.657	30.0	0.0	6.5	11.1	0.0	0.8	1.1	1.5	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
WASTELOAD # 230 (Stumpy Bayou) ENTERS HERE																										
230	CH	5	42.90	1.660	30.0	0.0	6.3	11.0	0.0	0.8	1.1	3.1	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
231	CH	5	42.80	1.660	30.0	0.0	6.1	10.9	0.0	0.8	1.1	4.6	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
232	CH	5	42.70	1.660	30.0	0.0	6.0	10.7	0.0	0.8	1.1	6.1	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
233	CH	5	42.60	1.660	30.0	0.0	5.8	10.6	0.0	0.8	1.0	7.7	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
234	CH	5	42.50	1.660	30.0	0.0	5.7	10.5	0.0	0.8	1.0	9.2	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
235	CH	5	42.40	1.660	30.0	0.0	5.6	10.4	0.0	0.8	1.0	10.7	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
236	CH	5	42.30	1.660	30.0	0.0	5.5	10.3	0.0	0.8	1.0	12.3	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
237	CH	5	42.20	1.660	30.0	0.0	5.4	10.2	0.0	0.8	0.9	13.8	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
238	CH	5	42.10	1.660	30.0	0.0	5.3	10.1	0.0	0.8	0.9	15.3	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
239	CH	5	42.00	1.660	30.0	0.0	5.2	10.0	0.0	0.8	0.9	16.9	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
240	CH	5	41.90	1.660	30.0	0.0	5.1	9.9	0.0	0.8	0.9	18.4	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
241	CH	5	41.80	1.660	30.0	0.0	5.1	9.8	0.0	0.8	0.9	20.0	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
242	CH	5	41.70	1.660	30.0	0.0	5.1	9.7	0.0	0.8	0.8	21.5	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
243	CH	5	41.60	1.660	30.0	0.0	5.0	9.6	0.0	0.8	0.8	23.0	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
244	CH	5	41.50	1.660	30.0	0.0	5.0	9.5	0.0	0.8	0.8	24.6	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
245	CH	5	41.40	1.660	30.0	0.0	5.0	9.5	0.0	0.8	0.8	26.1	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
246	CH	5	41.30	1.660	30.0	0.0	5.0	9.4	0.0	0.8	0.8	27.6	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
247	CH	5	41.20	1.660	30.0	0.0	5.0	9.3	0.0	0.8	0.8	29.2	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
248	CH	5	41.10	1.660	30.0	0.0	5.0	9.2	0.0	0.8	0.7	30.7	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
249	CH	5	41.00	1.660	30.0	0.0	5.1	9.1	0.0	0.8	0.7	32.2	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
250	CH	5	40.90	1.660	30.0	0.0	5.1	9.0	0.0	0.8	0.7	33.8	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
251	CH	5	40.80	1.660	30.0	0.0	5.1	8.9	0.0	0.8	0.7	35.3	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
252	CH	5	40.70	1.660	30.0	0.0	5.2	8.8	0.0	0.8	0.7	36.8	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
253	CH	5	40.60	1.660	30.0	0.0	5.3	8.7	0.0	0.8	0.7	38.4	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
254	CH	5	40.50	1.660	30.0	0.0	5.3	8.7	0.0	0.8	0.7	39.9	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
255	CH	5	40.40	1.660	30.0	0.0	5.4	8.6	0.0	0.8	0.6	41.4	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
256	CH	5	40.30	1.660	30.0	0.0	5.5	8.5	0.0	0.8	0.6	43.0	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.41	0.19
257	CH	5	40.20	1.660	30.0	0.0	5.6	8.4	0.0	0.8	0.6	44.5	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
258	CH	5	40.10	1.660	30.0	0.0	5.7	8.3	0.0	0.8	0.6	46.0	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
259	CH	5	40.00	1.660	30.0	0.0	5.8	8.2	0.0	0.8	0.6	47.6	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
260	CH	5	39.90	1.660	30.0	0.0	5.9	8.2	0.0	0.8	0.6	49.1	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
261	CH	5	39.80	1.660	30.0	0.0	6.0	8.1	0.0	0.8	0.6	50.7	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
262	CH	5	39.70	1.660	30.0	0.0	6.1	8.0	0.0	0.8	0.5	52.2	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
263	CH	5	39.60	1.660	30.0	0.0	6.2	7.9	0.0	0.8	0.5	53.7	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.42	0.19
264	CH	5	39.50	1.660	30.0	0.0	6.4	7.8	0.0	0.8	0.5	55.3	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
265	CH	5	39.40	1.660	30.0	0.0	6.5	7.8	0.0	0.8	0.5	56.8	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
266	CH	5	39.30	1.660	30.0	0.0	6.7	7.7	0.0	0.8	0.5	58.3	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19

267	CH	5	39.20	1.660	30.0	0.0	6.8	7.6	0.0	0.8	0.5	59.9	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
268	CH	5	39.10	1.660	30.0	0.0	7.0	7.5	0.0	0.8	0.5	61.4	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
269	CH	5	39.00	1.660	30.0	0.0	7.1	7.5	0.0	0.8	0.5	62.9	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.43	0.19
270	CH	5	38.90	1.660	30.0	0.0	7.3	7.4	0.0	0.8	0.5	64.5	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.44	0.19
WASTELOAD # 271 (LAG530786) ENTERS HERE																									
271	CH	5	38.80	1.660	30.0	0.0	7.5	7.3	0.0	0.8	0.5	66.0	0.0	2.40	34.0	0.020	0.020	7.6	0.351	0.17	0.00	0.00	0.00	0.44	0.19
TRIBUTARY # 272 (Chamberlin Canal #1) ENTERS HERE																									
347	CW	8	38.70	1.672	30.0	0.0	7.7	7.2	0.0	0.8	0.4	65.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
348	CW	8	38.60	1.672	30.0	0.0	7.9	7.1	0.0	0.8	0.4	64.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
349	CW	8	38.50	1.672	30.0	0.0	8.1	7.1	0.0	0.8	0.4	63.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
350	CW	8	38.40	1.672	30.0	0.0	8.3	7.0	0.0	0.7	0.4	62.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
351	CW	8	38.30	1.672	30.0	0.0	8.5	6.9	0.0	0.7	0.4	61.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
352	CW	8	38.20	1.672	30.0	0.0	8.7	6.9	0.0	0.7	0.4	60.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
353	CW	8	38.10	1.672	30.0	0.0	8.8	6.8	0.0	0.7	0.4	59.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
354	CW	8	38.00	1.672	30.0	0.0	9.0	6.7	0.0	0.7	0.3	58.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
355	CW	8	37.90	1.672	30.0	0.0	9.1	6.7	0.0	0.7	0.3	57.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
356	CW	8	37.80	1.672	30.0	0.0	9.3	6.6	0.0	0.7	0.3	57.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
357	CW	8	37.70	1.672	30.0	0.0	9.4	6.6	0.0	0.7	0.3	56.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
358	CW	8	37.60	1.672	30.0	0.0	9.5	6.5	0.0	0.7	0.3	55.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
359	CW	8	37.50	1.672	30.0	0.0	9.7	6.4	0.0	0.7	0.3	54.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
360	CW	8	37.40	1.672	30.0	0.0	9.8	6.4	0.0	0.7	0.3	53.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
361	CW	8	37.30	1.672	30.0	0.0	9.9	6.3	0.0	0.7	0.3	52.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
362	CW	8	37.20	1.672	30.0	0.0	10.0	6.3	0.0	0.7	0.3	51.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
363	CW	8	37.10	1.672	30.0	0.0	10.1	6.2	0.0	0.7	0.3	50.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
364	CW	8	37.00	1.672	30.0	0.0	10.2	6.2	0.0	0.7	0.2	49.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
365	CW	8	36.90	1.672	30.0	0.0	10.2	6.1	0.0	0.7	0.2	48.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
WASTELOAD # 366 (Unknown Trib #1) ENTERS HERE																									
366	CW	8	36.80	1.675	30.0	0.0	10.3	6.0	0.0	0.7	0.2	47.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
WASTELOAD # 367 (PS 120103) ENTERS HERE																									
367	CW	8	36.70	1.700	30.0	0.0	10.3	6.9	0.0	0.8	0.4	47.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
368	CW	8	36.60	1.700	30.0	0.0	10.3	6.8	0.0	0.8	0.3	46.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
369	CW	8	36.50	1.700	30.0	0.0	10.3	6.7	0.0	0.8	0.3	45.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
370	CW	8	36.40	1.700	30.0	0.0	10.3	6.7	0.0	0.8	0.3	44.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
371	CW	8	36.30	1.700	30.0	0.0	10.3	6.6	0.0	0.8	0.3	43.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
372	CW	8	36.20	1.700	30.0	0.0	10.4	6.6	0.0	0.8	0.3	42.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
373	CW	8	36.10	1.700	30.0	0.0	10.4	6.5	0.0	0.8	0.3	41.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
374	CW	8	36.00	1.700	30.0	0.0	10.4	6.4	0.0	0.8	0.3	40.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
375	CW	8	35.90	1.700	30.0	0.0	10.4	6.4	0.0	0.8	0.3	39.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
376	CW	8	35.80	1.700	30.0	0.0	10.4	6.3	0.0	0.8	0.3	38.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
377	CW	8	35.70	1.700	30.0	0.0	10.4	6.3	0.0	0.8	0.3	38.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
378	CW	8	35.60	1.700	30.0	0.0	10.3	6.2	0.0	0.8	0.2	37.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
379	CW	8	35.50	1.700	30.0	0.0	10.3	6.2	0.0	0.8	0.2	36.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
380	CW	8	35.40	1.700	30.0	0.0	10.3	6.1	0.0	0.8	0.2	35.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
381	CW	8	35.30	1.700	30.0	0.0	10.3	6.1	0.0	0.8	0.2	34.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
382	CW	8	35.20	1.700	30.0	0.0	10.3	6.0	0.0	0.8	0.2	33.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
383	CW	8	35.10	1.700	30.0	0.0	10.2	6.0	0.0	0.8	0.2	32.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
384	CW	8	35.00	1.700	30.0	0.0	10.2	5.9	0.0	0.8	0.2	31.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
385	CW	8	34.90	1.700	30.0	0.0	10.2	5.9	0.0	0.8	0.2	30.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
386	CW	8	34.80	1.700	30.0	0.0	10.1	5.8	0.0	0.7	0.2	29.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
387	CW	8	34.70	1.700	30.0	0.0	10.1	5.8	0.0	0.7	0.2	28.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88

388	CW	8	34.60	1.700	30.0	0.0	10.0	5.7	0.0	0.7	0.2	28.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
389	CW	8	34.50	1.700	30.0	0.0	10.0	5.7	0.0	0.7	0.2	27.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
390	CW	8	34.40	1.700	30.0	0.0	9.9	5.6	0.0	0.7	0.2	26.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
391	CW	8	34.30	1.700	30.0	0.0	9.9	5.6	0.0	0.7	0.2	25.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
392	CW	8	34.20	1.700	30.0	0.0	9.8	5.5	0.0	0.7	0.2	24.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
393	CW	8	34.10	1.700	30.0	0.0	9.7	5.5	0.0	0.7	0.2	23.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
394	CW	8	34.00	1.700	30.0	0.0	9.7	5.4	0.0	0.7	0.2	22.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
395	CW	8	33.90	1.700	30.0	0.0	9.6	5.4	0.0	0.7	0.1	21.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
396	CW	8	33.80	1.700	30.0	0.0	9.5	5.4	0.0	0.7	0.1	20.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
397	CW	8	33.70	1.700	30.0	0.0	9.5	5.3	0.0	0.7	0.1	19.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
398	CW	8	33.60	1.700	30.0	0.0	9.4	5.3	0.0	0.7	0.1	19.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
399	CW	8	33.50	1.700	30.0	0.0	9.3	5.2	0.0	0.7	0.1	18.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
400	CW	8	33.40	1.700	30.0	0.0	9.2	5.2	0.0	0.7	0.1	17.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
401	CW	8	33.30	1.700	30.0	0.0	9.1	5.2	0.0	0.7	0.1	16.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
402	CW	8	33.20	1.700	30.0	0.0	9.0	5.1	0.0	0.7	0.1	15.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
403	CW	8	33.10	1.700	30.0	0.0	8.9	5.1	0.0	0.7	0.1	14.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
404	CW	8	33.00	1.700	30.0	0.0	8.8	5.0	0.0	0.7	0.1	13.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
405	CW	8	32.90	1.700	30.0	0.0	8.7	5.0	0.0	0.7	0.1	12.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
406	CW	8	32.80	1.700	30.0	0.0	8.6	5.0	0.0	0.7	0.1	11.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
407	CW	8	32.70	1.700	30.0	0.0	8.5	4.9	0.0	0.7	0.1	10.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
408	CW	8	32.60	1.700	30.0	0.0	8.4	4.9	0.0	0.7	0.1	9.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
409	CW	8	32.50	1.700	30.0	0.0	8.3	4.9	0.0	0.7	0.1	9.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
410	CW	8	32.40	1.700	30.0	0.0	8.2	4.8	0.0	0.7	0.1	8.1	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
411	CW	8	32.30	1.700	30.0	0.0	8.1	4.8	0.0	0.7	0.1	7.2	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
412	CW	8	32.20	1.700	30.0	0.0	8.0	4.8	0.0	0.7	0.1	6.3	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
413	CW	8	32.10	1.700	30.0	0.0	7.8	4.7	0.0	0.7	0.1	5.4	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
414	CW	8	32.00	1.700	30.0	0.0	7.7	4.7	0.0	0.7	0.1	4.5	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
415	CW	8	31.90	1.700	30.0	0.0	7.6	4.7	0.0	0.7	0.1	3.6	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
416	CW	8	31.80	1.700	30.0	0.0	7.5	4.6	0.0	0.7	0.1	2.7	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
417	CW	8	31.70	1.700	30.0	0.0	7.3	4.6	0.0	0.7	0.1	1.8	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
418	CW	8	31.60	1.700	30.0	0.0	7.2	4.6	0.0	0.7	0.1	0.9	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
419	CW	8	31.50	1.700	30.0	0.0	7.1	4.6	0.0	0.7	0.1	0.0	0.0	2.80	47.0	0.013	0.013	7.6	0.301	0.17	0.00	0.00	0.00	0.43	1.88
TRIBUTARY # 420 (Intracoastal Waterwa) ENTERS HERE																									
554	I2	10	31.40	9.280	30.0	0.0	6.4	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
555	I2	10	31.30	9.280	30.0	0.0	6.4	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
556	I2	10	31.20	9.280	30.0	0.0	6.4	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
557	I2	10	31.10	9.280	30.0	0.0	6.4	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
558	I2	10	31.00	9.280	30.0	0.0	6.3	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
559	I2	10	30.90	9.280	30.0	0.0	6.3	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
560	I2	10	30.80	9.280	30.0	0.0	6.3	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
561	I2	10	30.70	9.280	30.0	0.0	6.3	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
562	I2	10	30.60	9.280	30.0	0.0	6.3	1.3	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
563	I2	10	30.50	9.280	30.0	0.0	6.3	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
564	I2	10	30.40	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
565	I2	10	30.30	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88

WASTELOAD # 566 (LAG531616) ENTERS HERE

566	I2 10	30.20	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
567	I2 10	30.10	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
568	I2 10	30.00	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
569	I2 10	29.90	9.280	30.0	0.0	6.2	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
570	I2 10	29.80	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
571	I2 10	29.70	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
572	I2 10	29.60	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
573	I2 10	29.50	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
574	I2 10	29.40	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
575	I2 10	29.30	9.280	30.0	0.0	6.1	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
576	I2 10	29.20	9.280	30.0	0.0	6.0	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
577	I2 10	29.10	9.280	30.0	0.0	6.0	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
578	I2 10	29.00	9.280	30.0	0.0	6.0	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
579	I2 10	28.90	9.280	30.0	0.0	6.0	1.2	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
580	I2 10	28.80	9.280	30.0	0.0	6.0	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
581	I2 10	28.70	9.280	30.0	0.0	6.0	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
582	I2 10	28.60	9.280	30.0	0.0	6.0	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
583	I2 10	28.50	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
584	I2 10	28.40	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
585	I2 10	28.30	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
586	I2 10	28.20	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
587	I2 10	28.10	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
588	I2 10	28.00	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
589	I2 10	27.90	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
590	I2 10	27.80	9.280	30.0	0.0	5.9	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
591	I2 10	27.70	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
592	I2 10	27.60	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
593	I2 10	27.50	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
594	I2 10	27.40	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
595	I2 10	27.30	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
596	I2 10	27.20	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
597	I2 10	27.10	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
598	I2 10	27.00	9.280	30.0	0.0	5.8	1.1	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
599	I2 10	26.90	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
600	I2 10	26.80	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
601	I2 10	26.70	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
602	I2 10	26.60	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
603	I2 10	26.50	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
604	I2 10	26.40	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
605	I2 10	26.30	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
606	I2 10	26.20	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
607	I2 10	26.10	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
608	I2 10	26.00	9.280	30.0	0.0	5.7	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
609	I2 10	25.90	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
610	I2 10	25.80	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88

611	I2	10	25.70	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
612	I2	10	25.60	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
613	I2	10	25.50	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
614	I2	10	25.40	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
615	I2	10	25.30	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
616	I2	10	25.20	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
617	I2	10	25.10	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
618	I2	10	25.00	9.280	30.0	0.0	5.6	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
619	I2	10	24.90	9.280	30.0	0.0	5.5	1.0	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
620	I2	10	24.80	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
621	I2	10	24.70	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
622	I2	10	24.60	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
WASTELOAD # 623 (Unknown Trib #2) ENTERS HERE																									
623	I2	10	24.50	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
624	I2	10	24.40	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
625	I2	10	24.30	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
626	I2	10	24.20	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
627	I2	10	24.10	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
628	I2	10	24.00	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
629	I2	10	23.90	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
630	I2	10	23.80	9.280	30.0	0.0	5.5	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
631	I2	10	23.70	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
632	I2	10	23.60	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
633	I2	10	23.50	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
634	I2	10	23.40	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
635	I2	10	23.30	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
636	I2	10	23.20	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
637	I2	10	23.10	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
638	I2	10	23.00	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
639	I2	10	22.90	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
640	I2	10	22.80	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
641	I2	10	22.70	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
642	I2	10	22.60	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
643	I2	10	22.50	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
644	I2	10	22.40	9.280	30.0	0.0	5.4	0.9	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
645	I2	10	22.30	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
646	I2	10	22.20	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
647	I2	10	22.10	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
648	I2	10	22.00	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
649	I2	10	21.90	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
650	I2	10	21.80	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
651	I2	10	21.70	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
652	I2	10	21.60	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
653	I2	10	21.50	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
654	I2	10	21.40	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
655	I2	10	21.30	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
WASTELOAD # 656 (Unknown Trib #3) ENTERS HERE																									
656	I2	10	21.20	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
657	I2	10	21.10	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
658	I2	10	21.00	9.280	30.0	0.0	5.3	0.8	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88

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659 I2 10   20.90   9.280 30.0  0.0  5.3   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
660 I2 10   20.80   9.280 30.0  0.0  5.3   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
661 I2 10   20.70   9.280 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
662 I2 10   20.60   9.280 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
663 I2 10   20.50   9.280 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
664 I2 10   20.40   9.280 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
665 I2 10   20.30   9.280 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
     WASTELOAD # 666 (PS 120109#3) ENTERS HERE
666 I2 10   20.20   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
667 I2 10   20.10   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
668 I2 10   20.00   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
669 I2 10   19.90   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
670 I2 10   19.80   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1
                                                                ADVEC   MEAN   DO   REAER BOD1 BOD1 BOD2 BOD2  NH3
IOR REACH    DIST   FLOW  TEMP SALN   DO EBOD1 EBOD2ORG-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
671 I2 10   19.70   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
672 I2 10   19.60   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
673 I2 10   19.50   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
     WASTELOAD # 674 (Unknown Trib #4) ENTERS HERE
674 I2 10   19.40   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
675 I2 10   19.30   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
676 I2 10   19.20   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
677 I2 10   19.10   9.286 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
     WASTELOAD # 678 (Bayou Grosse Tete #2) ENTERS HERE
678 I2 10   19.00   9.289 30.0  0.0  5.2   0.8   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
679 I2 10   18.90   9.289 30.0  0.0  5.2   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
680 I2 10   18.80   9.289 30.0  0.0  5.2   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
681 I2 10   18.70   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
682 I2 10   18.60   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
683 I2 10   18.50   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
684 I2 10   18.40   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
685 I2 10   18.30   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
686 I2 10   18.20   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
687 I2 10   18.10   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
688 I2 10   18.00   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
689 I2 10   17.90   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
690 I2 10   17.80   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
691 I2 10   17.70   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
692 I2 10   17.60   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
693 I2 10   17.50   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
694 I2 10   17.40   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
695 I2 10   17.30   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
696 I2 10   17.20   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
697 I2 10   17.10   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
698 I2 10   17.00   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
699 I2 10   16.90   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
700 I2 10   16.80   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
701 I2 10   16.70   9.289 30.0  0.0  5.1   0.7   0.0  0.4  0.0  0.0    0.0   3.00  76.0  0.041  0.041   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
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702	I2	10	16.60	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
WASTELOAD # 703 (LAG531362) ENTERS HERE																									
703	I2	10	16.50	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
704	I2	10	16.40	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
705	I2	10	16.30	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
706	I2	10	16.20	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
707	I2	10	16.10	9.289	30.0	0.0	5.1	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
708	I2	10	16.00	9.289	30.0	0.0	5.0	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
709	I2	10	15.90	9.289	30.0	0.0	5.0	0.7	0.0	0.4	0.0	0.0	0.0	3.00	76.0	0.041	0.041	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
TRIBUTARY # 710 (Bayou Plaquemine) ENTERS HERE																									
829	I3	12	15.80	10.146	30.0	0.0	5.1	1.3	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
830	I3	12	15.70	10.146	30.0	0.0	5.1	1.3	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
831	I3	12	15.60	10.146	30.0	0.0	5.1	1.3	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
832	I3	12	15.50	10.146	30.0	0.0	5.1	1.3	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
833	I3	12	15.40	10.146	30.0	0.0	5.0	1.3	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
834	I3	12	15.30	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
835	I3	12	15.20	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
836	I3	12	15.10	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
837	I3	12	15.00	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
838	I3	12	14.90	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
839	I3	12	14.80	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
840	I3	12	14.70	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
841	I3	12	14.60	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
842	I3	12	14.50	10.146	30.0	0.0	5.0	1.2	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
843	I3	12	14.40	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
844	I3	12	14.30	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
845	I3	12	14.20	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
846	I3	12	14.10	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
847	I3	12	14.00	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
848	I3	12	13.90	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
849	I3	12	13.80	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
850	I3	12	13.70	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
851	I3	12	13.60	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
852	I3	12	13.50	10.146	30.0	0.0	5.0	1.1	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
853	I3	12	13.40	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
854	I3	12	13.30	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
855	I3	12	13.20	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
856	I3	12	13.10	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
857	I3	12	13.00	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
858	I3	12	12.90	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
859	I3	12	12.80	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
860	I3	12	12.70	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
861	I3	12	12.60	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
862	I3	12	12.50	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
863	I3	12	12.40	10.146	30.0	0.0	5.0	1.0	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
864	I3	12	12.30	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94

865	I3 12	12.20	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
866	I3 12	12.10	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
867	I3 12	12.00	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
868	I3 12	11.90	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
869	I3 12	11.80	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
870	I3 12	11.70	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
871	I3 12	11.60	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
872	I3 12	11.50	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
873	I3 12	11.40	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
874	I3 12	11.30	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
875	I3 12	11.20	10.146	30.0	0.0	5.0	0.9	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
876	I3 12	11.10	10.146	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
877	I3 12	11.00	10.146	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
878	I3 12	10.90	10.146	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	3.20	80.0	0.040	0.040	7.6	0.263	0.32	0.00	0.00	0.00	0.41	0.94
TRIBUTARY # 879 (Upper Grand River #1) ENTERS HERE																								
1047	I4 16	10.80	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1048	I4 16	10.70	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1049	I4 16	10.60	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1050	I4 16	10.50	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1051	I4 16	10.40	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1052	I4 16	10.30	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1053	I4 16	10.20	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1054	I4 16	10.10	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1055	I4 16	10.00	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1056	I4 16	9.90	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1057	I4 16	9.80	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1058	I4 16	9.70	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1059	I4 16	9.60	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1060	I4 16	9.50	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1061	I4 16	9.40	10.155	30.0	0.0	5.0	0.8	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1062	I4 16	9.30	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1063	I4 16	9.20	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1064	I4 16	9.10	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1065	I4 16	9.00	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1066	I4 16	8.90	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1067	I4 16	8.80	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1068	I4 16	8.70	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1069	I4 16	8.60	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1070	I4 16	8.50	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1071	I4 16	8.40	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1072	I4 16	8.30	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1073	I4 16	8.20	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1074	I4 16	8.10	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1075	I4 16	8.00	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1076	I4 16	7.90	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1077	I4 16	7.80	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1078	I4 16	7.70	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1079	I4 16	7.60	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1080	I4 16	7.50	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1081	I4 16	7.40	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31

1082	I4 16	7.30	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1083	I4 16	7.20	10.155	30.0	0.0	5.0	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1084	I4 16	7.10	10.155	30.0	0.0	5.1	0.7	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1085	I4 16	7.00	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1086	I4 16	6.90	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1087	I4 16	6.80	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1088	I4 16	6.70	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1089	I4 16	6.60	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1090	I4 16	6.50	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1091	I4 16	6.40	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1092	I4 16	6.30	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1093	I4 16	6.20	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1094	I4 16	6.10	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1095	I4 16	6.00	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1096	I4 16	5.90	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1097	I4 16	5.80	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1098	I4 16	5.70	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1099	I4 16	5.60	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1100	I4 16	5.50	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

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
1101	I4 16	5.40	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1102	I4 16	5.30	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1103	I4 16	5.20	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1104	I4 16	5.10	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1105	I4 16	5.00	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1106	I4 16	4.90	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1107	I4 16	4.80	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1108	I4 16	4.70	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1109	I4 16	4.60	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1110	I4 16	4.50	10.155	30.0	0.0	5.1	0.6	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1111	I4 16	4.40	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1112	I4 16	4.30	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1113	I4 16	4.20	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1114	I4 16	4.10	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1115	I4 16	4.00	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1116	I4 16	3.90	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1117	I4 16	3.80	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1118	I4 16	3.70	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1119	I4 16	3.60	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1120	I4 16	3.50	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1121	I4 16	3.40	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1122	I4 16	3.30	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1123	I4 16	3.20	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1124	I4 16	3.10	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1125	I4 16	3.00	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1126	I4 16	2.90	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1127	I4 16	2.80	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31

1128	I4	16	2.70	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1129	I4	16	2.60	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1130	I4	16	2.50	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1131	I4	16	2.40	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1132	I4	16	2.30	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1133	I4	16	2.20	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1134	I4	16	2.10	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1135	I4	16	2.00	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1136	I4	16	1.90	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1137	I4	16	1.80	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1138	I4	16	1.70	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1139	I4	16	1.60	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1140	I4	16	1.50	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1141	I4	16	1.40	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1142	I4	16	1.30	10.155	30.0	0.0	5.1	0.5	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1143	I4	16	1.20	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1144	I4	16	1.10	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1145	I4	16	1.00	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1146	I4	16	0.90	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1147	I4	16	0.80	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1148	I4	16	0.70	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1149	I4	16	0.60	10.155	30.0	0.0	5.1	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1150	I4	16	0.50	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1151	I4	16	0.40	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1152	I4	16	0.30	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1153	I4	16	0.20	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1154	I4	16	0.10	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31
1155	I4	16	0.00	10.155	30.0	0.0	5.2	0.4	0.0	0.5	0.0	0.0	0.0	2.50	70.0	0.058	0.058	7.6	0.337	0.32	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

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
WASTELOAD # 126 (LA0003034) ENTERS HERE																									
126	P1	3	10.20	1.646	30.0	0.0	6.0	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
127	P1	3	10.10	1.646	30.0	0.0	6.0	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
128	P1	3	10.00	1.646	30.0	0.0	6.0	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
129	P1	3	9.90	1.646	30.0	0.0	6.0	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
130	P1	3	9.80	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
131	P1	3	9.70	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
132	P1	3	9.60	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
133	P1	3	9.50	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
134	P1	3	9.40	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
135	P1	3	9.30	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
136	P1	3	9.20	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
137	P1	3	9.10	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
138	P1	3	9.00	1.646	30.0	0.0	6.1	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
139	P1	3	8.90	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
140	P1	3	8.80	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
141	P1	3	8.70	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
142	P1	3	8.60	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19

143	P1	3	8.50	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
144	P1	3	8.40	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
145	P1	3	8.30	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
146	P1	3	8.20	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
147	P1	3	8.10	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.371	1.371	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
WASTELOAD # 148 (LAG540069) ENTERS HERE																										
148	P1	3	8.00	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
149	P1	3	7.90	1.646	30.0	0.0	6.2	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
150	P1	3	7.80	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
WASTELOAD # 151 (LAG531697) ENTERS HERE																										
151	P1	3	7.70	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
152	P1	3	7.60	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
153	P1	3	7.50	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.42	0.19
154	P1	3	7.40	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
155	P1	3	7.30	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
156	P1	3	7.20	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
157	P1	3	7.10	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
WASTELOAD # 158 (LAG540858) ENTERS HERE																										
158	P1	3	7.00	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
WASTELOAD # 159 (LAG531903) ENTERS HERE WITHOUT ANY FLOW																										
159	P1	3	6.90	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
160	P1	3	6.80	1.646	30.0	0.0	6.3	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
161	P1	3	6.70	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
162	P1	3	6.60	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
163	P1	3	6.50	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
WASTELOAD # 164 (LAG531990) ENTERS HERE																										
164	P1	3	6.40	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
165	P1	3	6.30	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
166	P1	3	6.20	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
167	P1	3	6.10	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
168	P1	3	6.00	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
169	P1	3	5.90	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
170	P1	3	5.80	1.646	30.0	0.0	6.4	11.5	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
171	P1	3	5.70	1.646	30.0	0.0	6.4	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
172	P1	3	5.60	1.646	30.0	0.0	6.4	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
173	P1	3	5.50	1.646	30.0	0.0	6.4	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
174	P1	3	5.40	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
175	P1	3	5.30	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
176	P1	3	5.20	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
177	P1	3	5.10	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
178	P1	3	5.00	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
179	P1	3	4.90	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
180	P1	3	4.80	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
181	P1	3	4.70	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
182	P1	3	4.60	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.30	4.0	1.372	1.372	7.6	12.029	0.16	0.00	0.00	0.00	0.43	0.19
183	P2	4	4.50	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.343	0.343	7.6	5.960	0.16	0.00	0.00	0.00	0.43	0.19
184	P2	4	4.40	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.343	0.343	7.6	5.960	0.16	0.00	0.00	0.00	0.43	0.19
185	P2	4	4.30	1.646	30.0	0.0	6.5	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.343	0.343	7.6	5.960	0.16	0.00	0.00	0.00	0.43	0.19
WASTELOAD # 186 (LAG540898) ENTERS HERE																										
186	P2	4	4.20	1.648	30.0	0.0	6.5	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.343	0.343	7.6	5.964	0.16	0.00	0.00	0.00	0.43	0.19

WASTELOAD # 187 (LAG540785) ENTERS HERE

187	P2	4	4.10	1.649	30.0	0.0	6.5	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
188	P2	4	4.00	1.649	30.0	0.0	6.5	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
189	P2	4	3.90	1.649	30.0	0.0	6.5	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
190	P2	4	3.80	1.649	30.0	0.0	6.6	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
191	P2	4	3.70	1.649	30.0	0.0	6.6	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

																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	g/m²/d
192	P2	4	3.60	1.649	30.0	0.0	6.6	11.5	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
193	P2	4	3.50	1.649	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
194	P2	4	3.40	1.649	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.965	0.16	0.00	0.00	0.00	0.43	0.19
195	P2	4	3.30	1.649	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
196	P2	4	3.20	1.649	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
197	P2	4	3.10	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
198	P2	4	3.00	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
199	P2	4	2.90	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
200	P2	4	2.80	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
201	P2	4	2.70	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
202	P2	4	2.60	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
203	P2	4	2.50	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.966	0.16	0.00	0.00	0.00	0.43	0.19
204	P2	4	2.40	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
205	P2	4	2.30	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
206	P2	4	2.20	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
207	P2	4	2.10	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
208	P2	4	2.00	1.650	30.0	0.0	6.6	11.4	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
209	P2	4	1.90	1.650	30.0	0.0	6.6	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
210	P2	4	1.80	1.650	30.0	0.0	6.6	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
211	P2	4	1.70	1.650	30.0	0.0	6.6	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
212	P2	4	1.60	1.650	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.967	0.16	0.00	0.00	0.00	0.43	0.19
213	P2	4	1.50	1.650	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
214	P2	4	1.40	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
215	P2	4	1.30	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
216	P2	4	1.20	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
217	P2	4	1.10	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
218	P2	4	1.00	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
219	P2	4	0.90	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
220	P2	4	0.80	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
221	P2	4	0.70	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.968	0.16	0.00	0.00	0.00	0.43	0.19
222	P2	4	0.60	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
223	P2	4	0.50	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
224	P2	4	0.40	1.651	30.0	0.0	6.7	11.3	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
225	P2	4	0.30	1.651	30.0	0.0	6.7	11.2	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
226	P2	4	0.20	1.651	30.0	0.0	6.7	11.2	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
227	P2	4	0.10	1.651	30.0	0.0	6.7	11.2	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19
228	P2	4	0.00	1.651	30.0	0.0	6.7	11.2	0.0	0.8	1.2	0.0	0.0	0.60	8.0	0.344	0.344	7.6	5.969	0.16	0.00	0.00	0.00	0.43	0.19

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

																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
272	C1	6	7.40	0.003	30.0	0.0	5.9	9.4	0.0	1.2	0.1	0.0	0.0	0.10	2.0	0.014	0.014	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
273	C1	6	7.30	0.003	30.0	0.0	5.9	9.5	0.0	1.2	0.1	0.0	0.0	0.10	2.0	0.015	0.015	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
274	C1	6	7.20	0.003	30.0	0.0	5.8	9.5	0.0	1.2	0.1	0.0	0.0	0.10	2.0	0.015	0.015	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
275	C1	6	7.10	0.003	30.0	0.0	5.8	9.6	0.0	1.2	0.1	0.0	0.0	0.10	2.0	0.015	0.015	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
276	C1	6	7.00	0.003	30.0	0.0	5.8	9.7	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.015	0.015	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
277	C1	6	6.90	0.003	30.0	0.0	5.8	9.8	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.016	0.016	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
278	C1	6	6.80	0.003	30.0	0.0	5.8	9.8	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.016	0.016	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
279	C1	6	6.70	0.003	30.0	0.0	5.8	9.9	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.016	0.016	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
280	C1	6	6.60	0.003	30.0	0.0	5.8	10.0	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.016	0.016	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
281	C1	6	6.50	0.003	30.0	0.0	5.8	10.0	0.0	1.3	0.1	0.0	0.0	0.10	2.0	0.016	0.016	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
282	C1	6	6.40	0.003	30.0	0.0	5.8	10.1	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.017	0.017	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
283	C1	6	6.30	0.003	30.0	0.0	5.8	10.2	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.017	0.017	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
284	C1	6	6.20	0.003	30.0	0.0	5.8	10.2	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.017	0.017	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
285	C1	6	6.10	0.003	30.0	0.0	5.8	10.3	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.017	0.017	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
286	C1	6	6.00	0.004	30.0	0.0	5.8	10.3	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.018	0.018	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
287	C1	6	5.90	0.004	30.0	0.0	5.8	10.4	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.018	0.018	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
288	C1	6	5.80	0.004	30.0	0.0	5.8	10.4	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.018	0.018	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
289	C1	6	5.70	0.004	30.0	0.0	5.8	10.5	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.018	0.018	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
290	C1	6	5.60	0.004	30.0	0.0	5.8	10.5	0.0	1.4	0.1	0.0	0.0	0.10	2.0	0.018	0.018	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
291	C1	6	5.50	0.004	30.0	0.0	5.8	10.5	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.019	0.019	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
292	C1	6	5.40	0.004	30.0	0.0	5.8	10.6	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.019	0.019	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
293	C1	6	5.30	0.004	30.0	0.0	5.8	10.6	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.019	0.019	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
294	C1	6	5.20	0.004	30.0	0.0	5.8	10.7	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.019	0.019	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
295	C1	6	5.10	0.004	30.0	0.0	5.8	10.7	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.020	0.020	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 296 (LA0121185) ENTERS HERE WITHOUT ANY FLOW																									
296	C1	6	5.00	0.004	30.0	0.0	5.8	10.7	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.020	0.020	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
297	C1	6	4.90	0.004	30.0	0.0	5.8	10.8	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.020	0.020	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
298	C1	6	4.80	0.004	30.0	0.0	5.8	10.8	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.020	0.020	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
299	C1	6	4.70	0.004	30.0	0.0	5.8	10.8	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.021	0.021	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
300	C1	6	4.60	0.004	30.0	0.0	5.8	10.9	0.0	1.5	0.1	0.0	0.0	0.10	2.0	0.021	0.021	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
301	C1	6	4.50	0.004	30.0	0.0	5.8	10.9	0.0	1.5	0.0	0.0	0.0	0.10	2.0	0.021	0.021	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
302	C1	6	4.40	0.004	30.0	0.0	5.8	10.9	0.0	1.6	0.0	0.0	0.0	0.10	2.0	0.021	0.021	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
303	C1	6	4.30	0.004	30.0	0.0	5.8	10.9	0.0	1.6	0.0	0.0	0.0	0.10	2.0	0.021	0.021	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
304	C1	6	4.20	0.004	30.0	0.0	5.8	11.0	0.0	1.6	0.0	0.0	0.0	0.10	2.0	0.022	0.022	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 305 (LAG540783) ENTERS HERE																									
305	C2	7	4.10	0.007	30.0	0.0	5.3	14.6	0.0	1.6	1.2	1.6	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
306	C2	7	4.00	0.007	30.0	0.0	5.1	13.7	0.0	1.6	1.1	3.1	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
307	C2	7	3.90	0.007	30.0	0.0	5.0	12.9	0.0	1.5	0.9	4.7	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
308	C2	7	3.80	0.007	30.0	0.0	5.0	12.2	0.0	1.5	0.9	6.3	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
309	C2	7	3.70	0.008	30.0	0.0	5.1	11.5	0.0	1.5	0.8	7.9	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
310	C2	7	3.60	0.008	30.0	0.0	5.2	10.9	0.0	1.5	0.7	9.4	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
311	C2	7	3.50	0.008	30.0	0.0	5.3	10.3	0.0	1.4	0.6	11.0	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
312	C2	7	3.40	0.008	30.0	0.0	5.4	9.7	0.0	1.4	0.6	12.6	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
313	C2	7	3.30	0.008	30.0	0.0	5.5	9.2	0.0	1.4	0.5	14.1	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.05
314	C2	7	3.20	0.008	30.0	0.0	5.6	8.7	0.0	1.4	0.5	15.7	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
315	C2	7	3.10	0.008	30.0	0.0	5.7	8.3	0.0	1.4	0.4	17.3	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
316	C2	7	3.00	0.008	30.0	0.0	5.8	7.9	0.0	1.3	0.4	18.9	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
317	C2	7	2.90	0.009	30.0	0.0	5.9	7.5	0.0	1.3	0.4	20.4	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
318	C2	7	2.80	0.009	30.0	0.0	6.0	7.1	0.0	1.3	0.3	22.0	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05

319	C2	7	2.70	0.009	30.0	0.0	6.1	6.8	0.0	1.3	0.3	23.6	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
320	C2	7	2.60	0.009	30.0	0.0	6.2	6.5	0.0	1.3	0.3	25.1	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
321	C2	7	2.50	0.009	30.0	0.0	6.3	6.2	0.0	1.2	0.3	26.7	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.05
322	C2	7	2.40	0.009	30.0	0.0	6.3	5.9	0.0	1.2	0.2	28.3	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
323	C2	7	2.30	0.009	30.0	0.0	6.4	5.6	0.0	1.2	0.2	29.9	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
324	C2	7	2.20	0.009	30.0	0.0	6.5	5.4	0.0	1.2	0.2	31.4	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
325	C2	7	2.10	0.010	30.0	0.0	6.6	5.2	0.0	1.2	0.2	33.0	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
326	C2	7	2.00	0.010	30.0	0.0	6.6	5.0	0.0	1.2	0.2	34.6	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
327	C2	7	1.90	0.010	30.0	0.0	6.7	4.8	0.0	1.2	0.2	36.1	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
328	C2	7	1.80	0.010	30.0	0.0	6.8	4.6	0.0	1.1	0.2	37.7	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
329	C2	7	1.70	0.010	30.0	0.0	6.8	4.4	0.0	1.1	0.1	39.3	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
330	C2	7	1.60	0.010	30.0	0.0	6.9	4.2	0.0	1.1	0.1	40.9	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
331	C2	7	1.50	0.010	30.0	0.0	6.9	4.0	0.0	1.1	0.1	42.4	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
332	C2	7	1.40	0.010	30.0	0.0	7.0	3.9	0.0	1.1	0.1	44.0	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
333	C2	7	1.30	0.010	30.0	0.0	7.1	3.8	0.0	1.1	0.1	45.6	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
334	C2	7	1.20	0.011	30.0	0.0	7.1	3.6	0.0	1.1	0.1	47.1	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
335	C2	7	1.10	0.011	30.0	0.0	7.2	3.5	0.0	1.1	0.1	48.7	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.05
336	C2	7	1.00	0.011	30.0	0.0	7.2	3.4	0.0	1.0	0.1	50.3	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
337	C2	7	0.90	0.011	30.0	0.0	7.3	3.3	0.0	1.0	0.1	51.9	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
338	C2	7	0.80	0.011	30.0	0.0	7.3	3.1	0.0	1.0	0.1	53.4	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
339	C2	7	0.70	0.011	30.0	0.0	7.4	3.0	0.0	1.0	0.1	55.0	0.0	0.30	5.0	0.007	0.007	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
340	C2	7	0.60	0.011	30.0	0.0	7.5	2.9	0.0	1.0	0.1	56.6	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
341	C2	7	0.50	0.011	30.0	0.0	7.5	2.9	0.0	1.0	0.1	58.1	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
342	C2	7	0.40	0.012	30.0	0.0	7.6	2.8	0.0	1.0	0.1	59.7	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
343	C2	7	0.30	0.012	30.0	0.0	7.6	2.7	0.0	1.0	0.1	61.3	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

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	DECA	NH3 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
344	C2	7	0.20	0.012	30.0	0.0	7.7	2.6	0.0	1.0	0.1	62.9	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
345	C2	7	0.10	0.012	30.0	0.0	7.7	2.5	0.0	0.9	0.1	64.4	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05
346	C2	7	0.00	0.012	30.0	0.0	7.8	2.5	0.0	0.9	0.1	66.0	0.0	0.30	5.0	0.008	0.008	7.6	2.807	0.21	0.00	0.00	0.00	0.44	1.05

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa

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	DECA	NH3 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
420	I1	9	13.30	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
421	I1	9	13.20	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
422	I1	9	13.10	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
423	I1	9	13.00	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
424	I1	9	12.90	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
425	I1	9	12.80	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
426	I1	9	12.70	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
427	I1	9	12.60	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 428 (PS 120109#2) ENTERS HERE																									
428	I1	9	12.50	7.532	30.0	0.0	7.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
429	I1	9	12.40	7.532	30.0	0.0	7.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
430	I1	9	12.30	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
431	I1	9	12.20	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
432	I1	9	12.10	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94

433	I1	9	12.00	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
434	I1	9	11.90	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
435	I1	9	11.80	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
436	I1	9	11.70	7.532	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
437	I1	9	11.60	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
438	I1	9	11.50	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
439	I1	9	11.40	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
440	I1	9	11.30	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
441	I1	9	11.20	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
442	I1	9	11.10	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
443	I1	9	11.00	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
444	I1	9	10.90	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
445	I1	9	10.80	7.532	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
446	I1	9	10.70	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
447	I1	9	10.60	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
448	I1	9	10.50	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
449	I1	9	10.40	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
450	I1	9	10.30	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
451	I1	9	10.20	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
452	I1	9	10.10	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
453	I1	9	10.00	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
454	I1	9	9.90	7.532	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
455	I1	9	9.80	7.532	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 456 (LAG560237) ENTERS HERE																									
456	I1	9	9.70	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
457	I1	9	9.60	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
458	I1	9	9.50	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
459	I1	9	9.40	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
460	I1	9	9.30	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
461	I1	9	9.20	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
462	I1	9	9.10	7.534	30.0	0.0	6.9	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 463 (LA0068501) ENTERS HERE																									
463	I1	9	9.00	7.555	30.0	0.0	6.9	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
464	I1	9	8.90	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
465	I1	9	8.80	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
466	I1	9	8.70	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
467	I1	9	8.60	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
468	I1	9	8.50	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
469	I1	9	8.40	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
470	I1	9	8.30	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
471	I1	9	8.20	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
472	I1	9	8.10	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
473	I1	9	8.00	7.555	30.0	0.0	6.8	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
474	I1	9	7.90	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
475	I1	9	7.80	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
476	I1	9	7.70	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
477	I1	9	7.60	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
478	I1	9	7.50	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
479	I1	9	7.40	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
480	I1	9	7.30	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

481	I1	9	7.20	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
482	I1	9	7.10	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
483	I1	9	7.00	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
484	I1	9	6.90	7.555	30.0	0.0	6.7	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
485	I1	9	6.80	7.555	30.0	0.0	6.7	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
486	I1	9	6.70	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
487	I1	9	6.60	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
488	I1	9	6.50	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
489	I1	9	6.40	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
490	I1	9	6.30	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa

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
491	I1	9	6.20	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
492	I1	9	6.10	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
493	I1	9	6.00	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
494	I1	9	5.90	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
495	I1	9	5.80	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
496	I1	9	5.70	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
497	I1	9	5.60	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
498	I1	9	5.50	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
499	I1	9	5.40	7.555	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
500	I1	9	5.30	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
501	I1	9	5.20	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
502	I1	9	5.10	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
503	I1	9	5.00	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
504	I1	9	4.90	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
505	I1	9	4.80	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
506	I1	9	4.70	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
507	I1	9	4.60	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
508	I1	9	4.50	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
509	I1	9	4.40	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
510	I1	9	4.30	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
511	I1	9	4.20	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
512	I1	9	4.10	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
513	I1	9	4.00	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
514	I1	9	3.90	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
515	I1	9	3.80	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
516	I1	9	3.70	7.555	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
517	I1	9	3.60	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
518	I1	9	3.50	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
519	I1	9	3.40	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
520	I1	9	3.30	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
521	I1	9	3.20	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
522	I1	9	3.10	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
523	I1	9	3.00	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
524	I1	9	2.90	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
525	I1	9	2.80	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
526	I1	9	2.70	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

527	I1	9	2.60	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
528	I1	9	2.50	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
529	I1	9	2.40	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
530	I1	9	2.30	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
531	I1	9	2.20	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
532	I1	9	2.10	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
533	I1	9	2.00	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
534	I1	9	1.90	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
535	I1	9	1.80	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
536	I1	9	1.70	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
537	I1	9	1.60	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
538	I1	9	1.50	7.555	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
539	I1	9	1.40	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
540	I1	9	1.30	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
541	I1	9	1.20	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
542	I1	9	1.10	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
543	I1	9	1.00	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
544	I1	9	0.90	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
545	I1	9	0.80	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
546	I1	9	0.70	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
547	I1	9	0.60	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
548	I1	9	0.50	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
549	I1	9	0.40	7.555	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 550 (PS 120109#1) ENTERS HERE																									
550	I1	9	0.30	7.580	30.0	0.0	6.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
551	I1	9	0.20	7.580	30.0	0.0	6.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
552	I1	9	0.10	7.580	30.0	0.0	6.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.42	0.94
553	I1	9	0.00	7.580	30.0	0.0	6.3	0.6	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.42	0.94

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

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	1/da	g/m²/d
710	BP 11	11.80	0.770	30.0	0.0	5.2	4.9	0.0	1.6	0.0	57.5	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
711	BP 11	11.70	0.770	30.0	0.0	5.4	4.9	0.0	1.6	0.0	57.0	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
712	BP 11	11.60	0.770	30.0	0.0	5.7	4.9	0.0	1.6	0.0	56.5	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
713	BP 11	11.50	0.770	30.0	0.0	5.9	4.9	0.0	1.6	0.0	56.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
714	BP 11	11.40	0.770	30.0	0.0	6.0	4.9	0.0	1.6	0.0	55.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
715	BP 11	11.30	0.770	30.0	0.0	6.2	4.9	0.0	1.6	0.0	55.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
716	BP 11	11.20	0.770	30.0	0.0	6.4	5.0	0.0	1.6	0.0	54.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
717	BP 11	11.10	0.770	30.0	0.0	6.6	5.0	0.0	1.6	0.0	54.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
718	BP 11	11.00	0.770	30.0	0.0	6.7	5.0	0.0	1.6	0.0	53.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
719	BP 11	10.90	0.770	30.0	0.0	6.9	5.0	0.0	1.6	0.0	53.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
720	BP 11	10.80	0.770	30.0	0.0	7.0	5.0	0.0	1.6	0.0	52.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
721	BP 11	10.70	0.770	30.0	0.0	7.1	5.0	0.0	1.6	0.0	52.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
722	BP 11	10.60	0.770	30.0	0.0	7.3	5.0	0.0	1.6	0.0	51.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
723	BP 11	10.50	0.770	30.0	0.0	7.4	5.0	0.0	1.6	0.0	51.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
724	BP 11	10.40	0.770	30.0	0.0	7.5	5.0	0.0	1.6	0.0	50.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
725	BP 11	10.30	0.770	30.0	0.0	7.6	5.0	0.0	1.6	0.0	50.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
726	BP 11	10.20	0.770	30.0	0.0	7.7	5.0	0.0	1.6	0.0	49.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
727	BP 11	10.10	0.770	30.0	0.0	7.8	5.0	0.0	1.6	0.0	49.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94

728	BP 11	10.00	0.770	30.0	0.0	7.9	5.0	0.0	1.6	0.0	48.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
729	BP 11	9.90	0.770	30.0	0.0	8.0	5.0	0.0	1.6	0.0	48.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
730	BP 11	9.80	0.770	30.0	0.0	8.1	5.0	0.0	1.6	0.0	47.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
731	BP 11	9.70	0.770	30.0	0.0	8.1	5.0	0.0	1.6	0.0	47.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
732	BP 11	9.60	0.770	30.0	0.0	8.2	5.0	0.0	1.6	0.0	46.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
733	BP 11	9.50	0.770	30.0	0.0	8.3	5.0	0.0	1.6	0.0	46.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
734	BP 11	9.40	0.770	30.0	0.0	8.3	5.0	0.0	1.6	0.0	45.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
735	BP 11	9.30	0.770	30.0	0.0	8.4	5.0	0.0	1.6	0.0	45.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
736	BP 11	9.20	0.770	30.0	0.0	8.4	5.0	0.0	1.5	0.0	44.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
737	BP 11	9.10	0.770	30.0	0.0	8.5	5.0	0.0	1.5	0.0	44.4	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
738	BP 11	9.00	0.770	30.0	0.0	8.5	5.0	0.0	1.5	0.0	43.9	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 739 (LA0020648) ENTERS HERE																								
739	BP 11	8.90	0.852	30.0	0.0	8.2	11.1	0.0	1.9	0.4	43.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
740	BP 11	8.80	0.852	30.0	0.0	8.1	11.1	0.0	1.9	0.4	42.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
741	BP 11	8.70	0.852	30.0	0.0	8.1	11.0	0.0	1.9	0.4	42.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
742	BP 11	8.60	0.852	30.0	0.0	8.1	11.0	0.0	1.9	0.4	41.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
743	BP 11	8.50	0.852	30.0	0.0	8.1	11.0	0.0	1.9	0.4	41.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
744	BP 11	8.40	0.852	30.0	0.0	8.0	10.9	0.0	1.9	0.4	40.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
745	BP 11	8.30	0.852	30.0	0.0	8.0	10.9	0.0	1.9	0.4	40.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
746	BP 11	8.20	0.852	30.0	0.0	8.0	10.8	0.0	1.9	0.4	40.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
747	BP 11	8.10	0.852	30.0	0.0	8.0	10.8	0.0	1.9	0.4	39.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
748	BP 11	8.00	0.852	30.0	0.0	7.9	10.7	0.0	1.9	0.4	39.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
749	BP 11	7.90	0.852	30.0	0.0	7.9	10.7	0.0	1.9	0.4	38.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
750	BP 11	7.80	0.852	30.0	0.0	7.9	10.7	0.0	1.9	0.4	38.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
751	BP 11	7.70	0.852	30.0	0.0	7.8	10.6	0.0	1.9	0.4	37.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
752	BP 11	7.60	0.852	30.0	0.0	7.8	10.6	0.0	1.8	0.3	37.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
753	BP 11	7.50	0.852	30.0	0.0	7.8	10.5	0.0	1.8	0.3	36.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
754	BP 11	7.40	0.852	30.0	0.0	7.8	10.5	0.0	1.8	0.3	36.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
755	BP 11	7.30	0.852	30.0	0.0	7.7	10.5	0.0	1.8	0.3	35.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
756	BP 11	7.20	0.852	30.0	0.0	7.7	10.4	0.0	1.8	0.3	35.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
757	BP 11	7.10	0.852	30.0	0.0	7.7	10.4	0.0	1.8	0.3	34.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
758	BP 11	7.00	0.852	30.0	0.0	7.6	10.3	0.0	1.8	0.3	34.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
759	BP 11	6.90	0.852	30.0	0.0	7.6	10.3	0.0	1.8	0.3	33.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
760	BP 11	6.80	0.852	30.0	0.0	7.6	10.3	0.0	1.8	0.3	33.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
761	BP 11	6.70	0.852	30.0	0.0	7.6	10.2	0.0	1.8	0.3	32.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
762	BP 11	6.60	0.852	30.0	0.0	7.5	10.2	0.0	1.8	0.3	32.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
763	BP 11	6.50	0.852	30.0	0.0	7.5	10.1	0.0	1.8	0.3	31.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
764	BP 11	6.40	0.852	30.0	0.0	7.5	10.1	0.0	1.8	0.3	31.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
765	BP 11	6.30	0.852	30.0	0.0	7.4	10.1	0.0	1.8	0.3	30.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
766	BP 11	6.20	0.852	30.0	0.0	7.4	10.0	0.0	1.8	0.3	30.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
767	BP 11	6.10	0.852	30.0	0.0	7.4	10.0	0.0	1.8	0.3	29.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
768	BP 11	6.00	0.852	30.0	0.0	7.4	10.0	0.0	1.8	0.3	29.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
769	BP 11	5.90	0.852	30.0	0.0	7.3	9.9	0.0	1.8	0.3	28.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
770	BP 11	5.80	0.852	30.0	0.0	7.3	9.9	0.0	1.8	0.3	28.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
771	BP 11	5.70	0.852	30.0	0.0	7.3	9.8	0.0	1.8	0.3	27.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
772	BP 11	5.60	0.852	30.0	0.0	7.2	9.8	0.0	1.8	0.3	27.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
773	BP 11	5.50	0.852	30.0	0.0	7.2	9.8	0.0	1.8	0.3	26.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
774	BP 11	5.40	0.852	30.0	0.0	7.2	9.7	0.0	1.8	0.3	26.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
775	BP 11	5.30	0.852	30.0	0.0	7.2	9.7	0.0	1.8	0.3	25.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
776	BP 11	5.20	0.852	30.0	0.0	7.1	9.7	0.0	1.8	0.3	25.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94

777	BP 11	5.10	0.852	30.0	0.0	7.1	9.6	0.0	1.8	0.3	24.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
778	BP 11	5.00	0.852	30.0	0.0	7.1	9.6	0.0	1.8	0.2	24.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 779 (LAG570359) ENTERS HERE																									
779	BP 11	4.90	0.856	30.0	0.0	7.0	9.6	0.0	1.8	0.3	23.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
780	BP 11	4.80	0.856	30.0	0.0	7.0	9.6	0.0	1.8	0.3	23.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
781	BP 11	4.70	0.856	30.0	0.0	7.0	9.6	0.0	1.8	0.3	22.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

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	g/m²/d
WASTELOAD # 782 (LAG540102) ENTERS HERE																								
782	BP 11	4.60	0.857	30.0	0.0	6.9	9.6	0.0	1.8	0.3	22.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
783	BP 11	4.50	0.857	30.0	0.0	6.9	9.6	0.0	1.8	0.3	21.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
784	BP 11	4.40	0.857	30.0	0.0	6.9	9.6	0.0	1.8	0.3	21.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 785 (LAG531065) ENTERS HERE																								
785	BP 11	4.30	0.857	30.0	0.0	6.8	9.5	0.0	1.8	0.3	21.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
786	BP 11	4.20	0.857	30.0	0.0	6.8	9.5	0.0	1.8	0.3	20.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
787	BP 11	4.10	0.857	30.0	0.0	6.7	9.5	0.0	1.8	0.3	20.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
788	BP 11	4.00	0.857	30.0	0.0	6.7	9.5	0.0	1.8	0.3	19.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
789	BP 11	3.90	0.857	30.0	0.0	6.7	9.4	0.0	1.8	0.2	19.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
790	BP 11	3.80	0.857	30.0	0.0	6.6	9.4	0.0	1.8	0.2	18.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
791	BP 11	3.70	0.857	30.0	0.0	6.6	9.4	0.0	1.8	0.2	18.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
792	BP 11	3.60	0.857	30.0	0.0	6.6	9.3	0.0	1.8	0.2	17.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
793	BP 11	3.50	0.857	30.0	0.0	6.5	9.3	0.0	1.8	0.2	17.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
794	BP 11	3.40	0.857	30.0	0.0	6.5	9.3	0.0	1.8	0.2	16.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
795	BP 11	3.30	0.857	30.0	0.0	6.5	9.2	0.0	1.8	0.2	16.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 796 (LAG540784) ENTERS HERE																								
796	BP 11	3.20	0.857	30.0	0.0	6.4	9.2	0.0	1.8	0.2	15.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
797	BP 11	3.10	0.857	30.0	0.0	6.4	9.2	0.0	1.8	0.2	15.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
798	BP 11	3.00	0.857	30.0	0.0	6.4	9.2	0.0	1.8	0.2	14.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
799	BP 11	2.90	0.857	30.0	0.0	6.3	9.1	0.0	1.8	0.2	14.1	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
800	BP 11	2.80	0.857	30.0	0.0	6.3	9.1	0.0	1.8	0.2	13.6	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
801	BP 11	2.70	0.857	30.0	0.0	6.3	9.1	0.0	1.8	0.2	13.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
802	BP 11	2.60	0.857	30.0	0.0	6.2	9.0	0.0	1.8	0.2	12.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
803	BP 11	2.50	0.857	30.0	0.0	6.2	9.0	0.0	1.8	0.2	12.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
804	BP 11	2.40	0.857	30.0	0.0	6.1	9.0	0.0	1.8	0.2	11.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
805	BP 11	2.30	0.857	30.0	0.0	6.1	8.9	0.0	1.8	0.2	11.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
806	BP 11	2.20	0.857	30.0	0.0	6.1	8.9	0.0	1.8	0.2	10.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
807	BP 11	2.10	0.857	30.0	0.0	6.0	8.9	0.0	1.7	0.2	10.2	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
808	BP 11	2.00	0.857	30.0	0.0	6.0	8.9	0.0	1.7	0.2	9.7	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
809	BP 11	1.90	0.857	30.0	0.0	6.0	8.8	0.0	1.7	0.2	9.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
810	BP 11	1.80	0.857	30.0	0.0	5.9	8.8	0.0	1.7	0.2	8.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
811	BP 11	1.70	0.857	30.0	0.0	5.9	8.8	0.0	1.7	0.2	8.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
812	BP 11	1.60	0.857	30.0	0.0	5.9	8.8	0.0	1.7	0.2	7.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
813	BP 11	1.50	0.857	30.0	0.0	5.8	8.7	0.0	1.7	0.2	7.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
814	BP 11	1.40	0.857	30.0	0.0	5.8	8.7	0.0	1.7	0.2	6.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
815	BP 11	1.30	0.857	30.0	0.0	5.7	8.7	0.0	1.7	0.2	6.3	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
816	BP 11	1.20	0.857	30.0	0.0	5.7	8.7	0.0	1.7	0.2	5.8	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
817	BP 11	1.10	0.857	30.0	0.0	5.7	8.6	0.0	1.7	0.2	5.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
818	BP 11	1.00	0.857	30.0	0.0	5.6	8.6	0.0	1.7	0.2	4.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94

819	BP 11	0.90	0.857	30.0	0.0	5.6	8.6	0.0	1.7	0.2	4.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
820	BP 11	0.80	0.857	30.0	0.0	5.6	8.5	0.0	1.7	0.2	3.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
821	BP 11	0.70	0.857	30.0	0.0	5.5	8.5	0.0	1.7	0.2	3.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
822	BP 11	0.60	0.857	30.0	0.0	5.5	8.5	0.0	1.7	0.2	2.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
823	BP 11	0.50	0.857	30.0	0.0	5.5	8.5	0.0	1.7	0.2	2.4	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
824	BP 11	0.40	0.857	30.0	0.0	5.4	8.4	0.0	1.7	0.2	1.9	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
825	BP 11	0.30	0.857	30.0	0.0	5.4	8.4	0.0	1.7	0.2	1.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
826	BP 11	0.20	0.857	30.0	0.0	5.3	8.4	0.0	1.7	0.2	1.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
827	BP 11	0.10	0.857	30.0	0.0	5.3	8.4	0.0	1.7	0.2	0.5	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
828	BP 11	0.00	0.857	30.0	0.0	5.3	8.4	0.0	1.7	0.2	0.0	0.0	1.10	30.0	0.026	0.026	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	ADVEC DEPTH	MEAN WIDTH	DO VELO	REAER VELO	BOD1 SAT	BOD1 RATE	BOD2 DECA	BOD2 SETT	BOD2 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
879	U1 13	12.30	0.003	30.0	0.0	7.9	0.8	0.0	0.7	0.0	32.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
880	U1 13	12.20	0.003	30.0	0.0	8.6	0.0	0.0	0.4	0.0	32.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
881	U1 13	12.10	0.003	30.0	0.0	8.6	0.0	0.0	0.2	0.0	32.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
882	U1 13	12.00	0.003	30.0	0.0	8.7	0.0	0.0	0.1	0.0	32.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
883	U1 13	11.90	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
884	U1 13	11.80	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
885	U1 13	11.70	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
886	U1 13	11.60	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
887	U1 13	11.50	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
888	U1 13	11.40	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
889	U1 13	11.30	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
890	U1 13	11.20	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
891	U1 13	11.10	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	32.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
892	U1 13	11.00	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	33.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
893	U1 13	10.90	0.003	30.0	0.0	8.7	0.0	0.0	0.0	0.0	33.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
894	U1 13	10.80	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
895	U1 13	10.70	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
896	U1 13	10.60	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
897	U1 13	10.50	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
898	U1 13	10.40	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
899	U1 13	10.30	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
900	U1 13	10.20	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
901	U1 13	10.10	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
902	U1 13	10.00	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
903	U1 13	9.90	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
904	U1 13	9.80	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
905	U1 13	9.70	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	33.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
906	U1 13	9.60	0.003	30.0	0.0	8.8	0.0	0.0	0.0	0.0	34.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88

WASTELOAD # 907 (Superior Canal) ENTERS HERE

907	U1 13	9.50	0.006	30.0	0.0	8.4	0.5	0.0	0.5	0.0	34.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
908	U1 13	9.40	0.006	30.0	0.0	8.8	0.0	0.0	0.3	0.0	34.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
909	U1 13	9.30	0.006	30.0	0.0	8.8	0.0	0.0	0.2	0.0	34.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
910	U1 13	9.20	0.006	30.0	0.0	8.9	0.0	0.0	0.1	0.0	34.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
911	U1 13	9.10	0.006	30.0	0.0	8.9	0.0	0.0	0.1	0.0	34.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
912	U1 13	9.00	0.006	30.0	0.0	8.9	0.0	0.0	0.1	0.0	34.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
913	U1 13	8.90	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88

914	U1 13	8.80	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
915	U1 13	8.70	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
916	U1 13	8.60	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
917	U1 13	8.50	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
918	U1 13	8.40	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
919	U1 13	8.30	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	34.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
920	U1 13	8.20	0.006	30.0	0.0	8.9	0.0	0.0	0.0	0.0	35.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
921	U1 13	8.10	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
922	U1 13	8.00	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
923	U1 13	7.90	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
924	U1 13	7.80	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
925	U1 13	7.70	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
926	U1 13	7.60	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
927	U1 13	7.50	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
928	U1 13	7.40	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
929	U1 13	7.30	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
930	U1 13	7.20	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
931	U1 13	7.10	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
932	U1 13	7.00	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
933	U1 13	6.90	0.006	30.0	0.0	9.0	0.0	0.0	0.0	0.0	35.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
934	U1 13	6.80	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
935	U1 13	6.70	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
936	U1 13	6.60	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
937	U1 13	6.50	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
938	U1 13	6.40	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
939	U1 13	6.30	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
940	U1 13	6.20	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
941	U1 13	6.10	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
942	U1 13	6.00	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
943	U1 13	5.90	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
944	U1 13	5.80	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
945	U1 13	5.70	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
946	U1 13	5.60	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
947	U1 13	5.50	0.006	30.0	0.0	9.1	0.0	0.0	0.0	0.0	36.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
948	U1 13	5.40	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
949	U1 13	5.30	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
950	U1 13	5.20	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.1	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
951	U1 13	5.10	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.2	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

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	1/da	g/m²/d
952	U1 13	5.00	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.3	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
953	U1 13	4.90	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
954	U1 13	4.80	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.4	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
955	U1 13	4.70	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.5	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
956	U1 13	4.60	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
957	U1 13	4.50	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.6	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
958	U1 13	4.40	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.7	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	
959	U1 13	4.30	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.8	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88	

960	U1	13	4.20	0.006	30.0	0.0	9.2	0.0	0.0	0.0	0.0	37.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
961	U1	13	4.10	0.006	30.0	0.0	9.3	0.0	0.0	0.0	0.0	37.9	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88
962	U1	13	4.00	0.006	30.0	0.0	9.3	0.0	0.0	0.0	0.0	38.0	0.0	1.10	88.0	0.000	0.000	7.6	0.765	0.47	0.00	0.00	0.00	0.44	1.88

TRIBUTARY # 963 (Lower Flat River) ENTERS HERE

1007	U2	15	3.90	0.008	30.0	0.0	9.7	0.0	0.0	0.3	0.0	37.0	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1008	U2	15	3.80	0.008	30.0	0.0	9.7	0.0	0.0	0.2	0.0	36.1	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1009	U2	15	3.70	0.008	30.0	0.0	9.6	0.0	0.0	0.2	0.0	35.2	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1010	U2	15	3.60	0.008	30.0	0.0	9.5	0.0	0.0	0.1	0.0	34.2	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1011	U2	15	3.50	0.008	30.0	0.0	9.4	0.0	0.0	0.1	0.0	33.2	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1012	U2	15	3.40	0.008	30.0	0.0	9.3	0.0	0.0	0.1	0.0	32.3	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1013	U2	15	3.30	0.008	30.0	0.0	9.2	0.0	0.0	0.1	0.0	31.4	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1014	U2	15	3.20	0.008	30.0	0.0	9.1	0.0	0.0	0.1	0.0	30.4	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1015	U2	15	3.10	0.008	30.0	0.0	8.9	0.0	0.0	0.0	0.0	29.5	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1016	U2	15	3.00	0.008	30.0	0.0	8.8	0.0	0.0	0.0	0.0	28.5	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1017	U2	15	2.90	0.008	30.0	0.0	8.7	0.0	0.0	0.0	0.0	27.5	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1018	U2	15	2.80	0.008	30.0	0.0	8.6	0.0	0.0	0.0	0.0	26.6	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1019	U2	15	2.70	0.008	30.0	0.0	8.5	0.0	0.0	0.0	0.0	25.6	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1020	U2	15	2.60	0.008	30.0	0.0	8.4	0.0	0.0	0.0	0.0	24.7	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1021	U2	15	2.50	0.008	30.0	0.0	8.2	0.0	0.0	0.0	0.0	23.8	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1022	U2	15	2.40	0.008	30.0	0.0	8.1	0.0	0.0	0.0	0.0	22.8	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1023	U2	15	2.30	0.008	30.0	0.0	8.0	0.0	0.0	0.0	0.0	21.9	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1024	U2	15	2.20	0.008	30.0	0.0	7.9	0.0	0.0	0.0	0.0	20.9	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1025	U2	15	2.10	0.008	30.0	0.0	7.8	0.0	0.0	0.0	0.0	20.0	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1026	U2	15	2.00	0.008	30.0	0.0	7.7	0.0	0.0	0.0	0.0	19.0	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1027	U2	15	1.90	0.008	30.0	0.0	7.6	0.0	0.0	0.0	0.0	18.1	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1028	U2	15	1.80	0.008	30.0	0.0	7.4	0.0	0.0	0.0	0.0	17.1	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1029	U2	15	1.70	0.008	30.0	0.0	7.3	0.0	0.0	0.0	0.0	16.1	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1030	U2	15	1.60	0.008	30.0	0.0	7.2	0.0	0.0	0.0	0.0	15.2	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.44	1.88
1031	U2	15	1.50	0.008	30.0	0.0	7.1	0.0	0.0	0.0	0.0	14.2	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1032	U2	15	1.40	0.008	30.0	0.0	7.0	0.0	0.0	0.0	0.0	13.3	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1033	U2	15	1.30	0.008	30.0	0.0	6.9	0.0	0.0	0.0	0.0	12.4	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1034	U2	15	1.20	0.008	30.0	0.0	6.7	0.0	0.0	0.0	0.0	11.4	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1035	U2	15	1.10	0.008	30.0	0.0	6.6	0.0	0.0	0.0	0.0	10.5	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1036	U2	15	1.00	0.008	30.0	0.0	6.5	0.0	0.0	0.0	0.0	9.5	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1037	U2	15	0.90	0.008	30.0	0.0	6.4	0.0	0.0	0.0	0.0	8.6	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.43	1.88
1038	U2	15	0.80	0.008	30.0	0.0	6.3	0.0	0.0	0.0	0.0	7.6	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1039	U2	15	0.70	0.008	30.0	0.0	6.2	0.0	0.0	0.0	0.0	6.7	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1040	U2	15	0.60	0.008	30.0	0.0	6.0	0.0	0.0	0.0	0.0	5.7	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1041	U2	15	0.50	0.008	30.0	0.0	5.9	0.0	0.0	0.0	0.0	4.8	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1042	U2	15	0.40	0.008	30.0	0.0	5.8	0.0	0.0	0.0	0.0	3.8	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1043	U2	15	0.30	0.008	30.0	0.0	5.7	0.0	0.0	0.0	0.0	2.9	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1044	U2	15	0.20	0.008	30.0	0.0	5.6	0.0	0.0	0.0	0.0	1.9	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.42	1.88
1045	U2	15	0.10	0.008	30.0	0.0	5.5	0.0	0.0	0.0	0.0	1.0	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.41	1.88
1046	U2	15	0.00	0.008	30.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1.30	62.0	0.000	0.000	7.6	0.648	0.47	0.00	0.00	0.00	0.41	1.88

EXPANDED CAPSULE SUMMARY FOR Lower Flat River

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
963	LF	14	4.30	0.003	30.0	0.0	5.0	1.1	0.0	1.3	0.1	0.9	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.41	1.69
964	LF	14	4.20	0.003	30.0	0.0	5.5	0.1	0.0	1.2	0.1	1.7	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.41	1.69

965	LF 14	4.10	0.003	30.0	0.0	5.6	0.0	0.0	1.2	0.1	2.6	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
966	LF 14	4.00	0.003	30.0	0.0	5.7	0.0	0.0	1.2	0.1	3.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
967	LF 14	3.90	0.003	30.0	0.0	5.8	0.0	0.0	1.2	0.1	4.3	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
968	LF 14	3.80	0.003	30.0	0.0	5.8	0.0	0.0	1.2	0.1	5.2	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
969	LF 14	3.70	0.003	30.0	0.0	5.9	0.0	0.0	1.1	0.1	6.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
970	LF 14	3.60	0.003	30.0	0.0	6.0	0.0	0.0	1.1	0.1	6.9	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
971	LF 14	3.50	0.003	30.0	0.0	6.0	0.0	0.0	1.1	0.1	7.8	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
972	LF 14	3.40	0.003	30.0	0.0	6.1	0.0	0.0	1.1	0.1	8.6	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
973	LF 14	3.30	0.003	30.0	0.0	6.1	0.0	0.0	1.1	0.1	9.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
974	LF 14	3.20	0.003	30.0	0.0	6.2	0.0	0.0	1.1	0.1	10.4	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
975	LF 14	3.10	0.003	30.0	0.0	6.3	0.0	0.0	1.1	0.1	11.2	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.42	1.69
976	LF 14	3.00	0.003	30.0	0.0	6.3	0.0	0.0	1.1	0.1	12.1	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
977	LF 14	2.90	0.003	30.0	0.0	6.4	0.0	0.0	1.1	0.1	13.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
978	LF 14	2.80	0.003	30.0	0.0	6.5	0.0	0.0	1.1	0.1	13.8	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
979	LF 14	2.70	0.003	30.0	0.0	6.5	0.0	0.0	1.1	0.1	14.7	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
980	LF 14	2.60	0.003	30.0	0.0	6.6	0.0	0.0	1.1	0.1	15.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
981	LF 14	2.50	0.003	30.0	0.0	6.7	0.0	0.0	1.1	0.1	16.4	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
982	LF 14	2.40	0.003	30.0	0.0	6.7	0.0	0.0	1.1	0.1	17.3	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
983	LF 14	2.30	0.003	30.0	0.0	6.8	0.0	0.0	1.1	0.1	18.1	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
984	LF 14	2.20	0.003	30.0	0.0	6.9	0.0	0.0	1.1	0.1	19.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
985	LF 14	2.10	0.003	30.0	0.0	6.9	0.0	0.0	1.1	0.1	19.9	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
986	LF 14	2.00	0.003	30.0	0.0	7.0	0.0	0.0	1.1	0.1	20.7	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
987	LF 14	1.90	0.003	30.0	0.0	7.1	0.0	0.0	1.1	0.1	21.6	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
988	LF 14	1.80	0.003	30.0	0.0	7.1	0.0	0.0	1.1	0.1	22.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
989	LF 14	1.70	0.003	30.0	0.0	7.2	0.0	0.0	1.1	0.1	23.3	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.43	1.69
990	LF 14	1.60	0.003	30.0	0.0	7.3	0.0	0.0	1.1	0.1	24.2	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
991	LF 14	1.50	0.003	30.0	0.0	7.3	0.0	0.0	1.1	0.1	25.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
992	LF 14	1.40	0.003	30.0	0.0	7.4	0.0	0.0	1.1	0.1	25.9	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
993	LF 14	1.30	0.003	30.0	0.0	7.4	0.0	0.0	1.1	0.1	26.8	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
994	LF 14	1.20	0.003	30.0	0.0	7.5	0.0	0.0	1.1	0.1	27.6	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
995	LF 14	1.10	0.003	30.0	0.0	7.6	0.0	0.0	1.1	0.1	28.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
996	LF 14	1.00	0.003	30.0	0.0	7.6	0.0	0.0	1.1	0.1	29.4	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
997	LF 14	0.90	0.003	30.0	0.0	7.7	0.0	0.0	1.1	0.1	30.2	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
998	LF 14	0.80	0.003	30.0	0.0	7.8	0.0	0.0	1.1	0.1	31.1	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
999	LF 14	0.70	0.003	30.0	0.0	7.8	0.0	0.0	1.1	0.1	32.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1000	LF 14	0.60	0.003	30.0	0.0	7.9	0.0	0.0	1.1	0.1	32.8	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1001	LF 14	0.50	0.003	30.0	0.0	8.0	0.0	0.0	1.1	0.1	33.7	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1002	LF 14	0.40	0.003	30.0	0.0	8.0	0.0	0.0	1.1	0.1	34.5	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1003	LF 14	0.30	0.003	30.0	0.0	8.1	0.0	0.0	1.1	0.1	35.4	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1004	LF 14	0.20	0.003	30.0	0.0	8.2	0.0	0.0	1.1	0.1	36.3	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1005	LF 14	0.10	0.003	30.0	0.0	8.2	0.0	0.0	1.1	0.1	37.1	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69
1006	LF 14	0.00	0.003	30.0	0.0	8.3	0.0	0.0	1.1	0.1	38.0	0.0	0.80	64.0	0.000	0.000	7.6	1.053	0.47	0.00	0.00	0.00	0.44	1.69

SPECIAL REPORT: Bayou Cholpe #1

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	55.500	30.00	0.0	0.0	0.0	5.64	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00	
2	55.400	30.00	0.0	0.0	0.0	6.10	2.98	0.00	2.98	0.00	1.58	0.04	1.50	3.12	0.00	0.0	0.0	0.	0.00	
3	55.300	30.00	0.0	0.0	0.0	6.42	2.92	0.00	2.92	0.00	1.58	0.04	1.50	3.12	0.00	0.0	0.0	0.	0.00	
4	55.200	30.00	0.0	0.0	0.0	6.65	2.86	0.00	2.86	0.00	1.57	0.04	1.51	3.12	0.00	0.0	0.0	0.	0.00	

5	55.100	30.00	0.0	0.0	0.0	6.81	2.80	0.00	2.80	0.00	1.57	0.04	1.51	3.12	0.00	0.0	0.0	0.	0.00
6	55.000	30.00	0.0	0.0	0.0	6.93	2.74	0.00	2.74	0.00	1.57	0.04	1.51	3.12	0.00	0.0	0.0	0.	0.00
7	54.900	30.00	0.0	0.0	0.0	7.01	2.69	0.00	2.69	0.00	1.56	0.05	1.51	3.12	0.00	0.0	0.0	0.	0.00
8	54.800	30.00	0.0	0.0	0.0	7.07	2.63	0.00	2.63	0.00	1.56	0.05	1.51	3.12	0.00	0.0	0.0	0.	0.00
9	54.700	30.00	0.0	0.0	0.0	7.11	2.58	0.00	2.58	0.00	1.55	0.05	1.52	3.12	0.00	0.0	0.0	0.	0.00
10	54.600	30.00	0.0	0.0	0.0	7.14	2.53	0.00	2.53	0.00	1.55	0.05	1.52	3.12	0.00	0.0	0.0	0.	0.00
11	54.500	30.00	0.0	0.0	0.0	7.17	2.47	0.00	2.47	0.00	1.55	0.05	1.52	3.12	0.00	0.0	0.0	0.	0.00
12	54.400	30.00	0.0	0.0	0.0	7.18	2.42	0.00	2.42	0.00	1.54	0.05	1.52	3.12	0.00	0.0	0.0	0.	0.00
13	54.300	30.00	0.0	0.0	0.0	7.20	2.37	0.00	2.37	0.00	1.54	0.05	1.53	3.12	0.00	0.0	0.0	0.	0.00
14	54.200	30.00	0.0	0.0	0.0	7.20	2.32	0.00	2.32	0.00	1.54	0.06	1.53	3.12	0.00	0.0	0.0	0.	0.00
15	54.100	30.00	0.0	0.0	0.0	7.21	2.28	0.00	2.28	0.00	1.53	0.06	1.53	3.12	0.00	0.0	0.0	0.	0.00
16	54.000	30.00	0.0	0.0	0.0	7.22	2.23	0.00	2.23	0.00	1.53	0.06	1.53	3.12	0.00	0.0	0.0	0.	0.00
17	53.900	30.00	0.0	0.0	0.0	7.22	2.18	0.00	2.18	0.00	1.52	0.06	1.54	3.12	0.00	0.0	0.0	0.	0.00
18	53.800	30.00	0.0	0.0	0.0	7.23	2.14	0.00	2.14	0.00	1.52	0.06	1.54	3.12	0.00	0.0	0.0	0.	0.00
19	53.700	30.00	0.0	0.0	0.0	7.23	2.09	0.00	2.09	0.00	1.52	0.06	1.54	3.12	0.00	0.0	0.0	0.	0.00
20	53.600	30.00	0.0	0.0	0.0	7.23	2.05	0.00	2.05	0.00	1.51	0.06	1.54	3.12	0.00	0.0	0.0	0.	0.00
21	53.500	30.00	0.0	0.0	0.0	7.23	2.01	0.00	2.01	0.00	1.51	0.06	1.55	3.12	0.00	0.0	0.0	0.	0.00
22	53.400	30.00	0.0	0.0	0.0	7.24	1.97	0.00	1.97	0.00	1.51	0.06	1.55	3.12	0.00	0.0	0.0	0.	0.00
23	53.300	30.00	0.0	0.0	0.0	7.24	1.93	0.00	1.93	0.00	1.50	0.07	1.55	3.12	0.00	0.0	0.0	0.	0.00
24	53.200	30.00	0.0	0.0	0.0	7.24	1.89	0.00	1.89	0.00	1.50	0.07	1.56	3.12	0.00	0.0	0.0	0.	0.00
25	53.100	30.00	0.0	0.0	0.0	7.24	1.85	0.00	1.85	0.00	1.49	0.07	1.56	3.12	0.00	0.0	0.0	0.	0.00
26	53.000	30.00	0.0	0.0	0.0	7.24	1.81	0.00	1.81	0.00	1.49	0.07	1.56	3.12	0.00	0.0	0.0	0.	0.00
27	52.900	30.00	0.0	0.0	0.0	7.25	1.77	0.00	1.77	0.00	1.49	0.07	1.56	3.12	0.00	0.0	0.0	0.	0.00
28	52.800	30.00	0.0	0.0	0.0	7.25	1.74	0.00	1.74	0.00	1.48	0.07	1.57	3.12	0.00	0.0	0.0	0.	0.00
29	52.700	30.00	0.0	0.0	0.0	7.25	1.70	0.00	1.70	0.00	1.48	0.07	1.57	3.12	0.00	0.0	0.0	0.	0.00
30	52.600	30.00	0.0	0.0	0.0	7.25	1.67	0.00	1.67	0.00	1.48	0.07	1.57	3.12	0.00	0.0	0.0	0.	0.00
31	52.500	30.00	0.0	0.0	0.0	7.01	0.93	0.00	0.93	0.00	1.34	0.07	1.69	3.10	0.00	0.0	0.0	0.	0.00
32	52.400	30.00	0.0	0.0	0.0	7.03	0.54	0.00	0.54	0.00	1.22	0.07	1.79	3.08	0.00	0.0	0.0	0.	0.00
33	52.300	30.00	0.0	0.0	0.0	7.09	0.33	0.00	0.33	0.00	1.11	0.06	1.88	3.06	0.00	0.0	0.0	0.	0.00
34	52.200	30.00	0.0	0.0	0.0	7.13	0.21	0.00	0.21	0.00	1.01	0.06	1.97	3.03	0.00	0.0	0.0	0.	0.00
35	52.100	30.00	0.0	0.0	0.0	7.16	0.15	0.00	0.15	0.00	0.92	0.05	2.04	3.01	0.00	0.0	0.0	0.	0.00
36	52.000	30.00	0.0	0.0	0.0	7.18	0.12	0.00	0.12	0.00	0.84	0.05	2.10	2.99	0.00	0.0	0.0	0.	0.00
37	51.900	30.00	0.0	0.0	0.0	7.20	0.10	0.00	0.10	0.00	0.77	0.05	2.16	2.98	0.00	0.0	0.0	0.	0.00
38	51.800	30.00	0.0	0.0	0.0	7.21	0.09	0.00	0.09	0.00	0.71	0.04	2.20	2.96	0.00	0.0	0.0	0.	0.00
39	51.700	30.00	0.0	0.0	0.0	7.22	0.08	0.00	0.08	0.00	0.65	0.04	2.25	2.94	0.00	0.0	0.0	0.	0.00
40	51.600	30.00	0.0	0.0	0.0	7.23	0.08	0.00	0.08	0.00	0.60	0.04	2.28	2.92	0.00	0.0	0.0	0.	0.00
41	51.500	30.00	0.0	0.0	0.0	7.23	0.08	0.00	0.08	0.00	0.56	0.03	2.31	2.90	0.00	0.0	0.0	0.	0.00
42	51.400	30.00	0.0	0.0	0.0	7.24	0.08	0.00	0.08	0.00	0.51	0.03	2.34	2.88	0.00	0.0	0.0	0.	0.00
43	51.300	30.00	0.0	0.0	0.0	7.25	0.08	0.00	0.08	0.00	0.48	0.03	2.36	2.87	0.00	0.0	0.0	0.	0.00
44	51.200	30.00	0.0	0.0	0.0	7.25	0.08	0.00	0.08	0.00	0.44	0.03	2.38	2.85	0.00	0.0	0.0	0.	0.00
45	51.100	30.00	0.0	0.0	0.0	7.25	0.08	0.00	0.08	0.00	0.41	0.02	2.40	2.83	0.00	0.0	0.0	0.	0.00
46	51.000	30.00	0.0	0.0	0.0	7.26	0.08	0.00	0.08	0.00	0.38	0.02	2.41	2.82	0.00	0.0	0.0	0.	0.00
47	50.900	30.00	0.0	0.0	0.0	7.26	0.08	0.00	0.08	0.00	0.36	0.02	2.42	2.80	0.00	0.0	0.0	0.	0.00
48	50.800	30.00	0.0	0.0	0.0	7.27	0.08	0.00	0.08	0.00	0.34	0.02	2.43	2.78	0.00	0.0	0.0	0.	0.00
49	50.700	30.00	0.0	0.0	0.0	7.27	0.08	0.00	0.08	0.00	0.32	0.02	2.43	2.77	0.00	0.0	0.0	0.	0.00
50	50.600	30.00	0.0	0.0	0.0	7.27	0.08	0.00	0.08	0.00	0.30	0.02	2.44	2.75	0.00	0.0	0.0	0.	0.00
51	50.500	30.00	0.0	0.0	0.0	7.27	0.08	0.00	0.08	0.00	0.28	0.02	2.44	2.74	0.00	0.0	0.0	0.	0.00
52	50.400	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.26	0.02	2.44	2.72	0.00	0.0	0.0	0.	0.00
53	50.300	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.25	0.01	2.44	2.71	0.00	0.0	0.0	0.	0.00
54	50.200	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.24	0.01	2.44	2.69	0.00	0.0	0.0	0.	0.00

55	50.100	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.23	0.01	2.44	2.68	0.00	0.0	0.0	0.	0.00
56	50.000	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.22	0.01	2.44	2.67	0.00	0.0	0.0	0.	0.00
57	49.900	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.21	0.01	2.43	2.65	0.00	0.0	0.0	0.	0.00
58	49.800	30.00	0.0	0.0	0.0	7.28	0.08	0.00	0.08	0.00	0.20	0.01	2.43	2.64	0.00	0.0	0.0	0.	0.00
59	49.700	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.19	0.01	2.43	2.63	0.00	0.0	0.0	0.	0.00
60	49.600	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.18	0.01	2.42	2.61	0.00	0.0	0.0	0.	0.00
61	49.500	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.17	0.01	2.42	2.60	0.00	0.0	0.0	0.	0.00
62	49.400	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.17	0.01	2.41	2.59	0.00	0.0	0.0	0.	0.00
63	49.300	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.16	0.01	2.40	2.58	0.00	0.0	0.0	0.	0.00
64	49.200	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.16	0.01	2.40	2.56	0.00	0.0	0.0	0.	0.00
65	49.100	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.15	0.01	2.39	2.55	0.00	0.0	0.0	0.	0.00
66	49.000	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.15	0.01	2.38	2.54	0.00	0.0	0.0	0.	0.00
67	48.900	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.38	2.53	0.00	0.0	0.0	0.	0.00
68	48.800	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.37	2.52	0.00	0.0	0.0	0.	0.00
69	48.700	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.36	2.50	0.00	0.0	0.0	0.	0.00
70	48.600	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.35	2.49	0.00	0.0	0.0	0.	0.00
71	48.500	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.34	2.48	0.00	0.0	0.0	0.	0.00
72	48.400	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.34	2.47	0.00	0.0	0.0	0.	0.00
73	48.300	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.33	2.46	0.00	0.0	0.0	0.	0.00
74	48.200	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.32	2.45	0.00	0.0	0.0	0.	0.00
75	48.100	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.31	2.44	0.00	0.0	0.0	0.	0.00
76	48.000	30.00	0.0	0.0	0.0	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.30	2.43	0.00	0.0	0.0	0.	0.00
77	47.900	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.12	0.01	2.30	2.42	0.00	0.0	0.0	0.	0.00
78	47.800	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.12	0.01	2.29	2.41	0.00	0.0	0.0	0.	0.00
79	47.700	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.28	2.40	0.00	0.0	0.0	0.	0.00
80	47.600	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.27	2.39	0.00	0.0	0.0	0.	0.00
81	47.500	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.26	2.38	0.00	0.0	0.0	0.	0.00
82	47.400	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.25	2.37	0.00	0.0	0.0	0.	0.00
83	47.300	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.25	2.36	0.00	0.0	0.0	0.	0.00
84	47.200	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.24	2.35	0.00	0.0	0.0	0.	0.00
85	47.100	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.23	2.34	0.00	0.0	0.0	0.	0.00
86	47.000	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.22	2.34	0.00	0.0	0.0	0.	0.00
87	46.900	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.21	2.33	0.00	0.0	0.0	0.	0.00
88	46.800	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.21	2.32	0.00	0.0	0.0	0.	0.00
89	46.700	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.20	2.31	0.00	0.0	0.0	0.	0.00
90	46.600	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.19	2.30	0.00	0.0	0.0	0.	0.00
91	46.500	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.18	2.29	0.00	0.0	0.0	0.	0.00
92	46.400	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.18	2.28	0.00	0.0	0.0	0.	0.00
93	46.300	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.17	2.28	0.00	0.0	0.0	0.	0.00
94	46.200	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.16	2.27	0.00	0.0	0.0	0.	0.00
95	46.100	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.15	2.26	0.00	0.0	0.0	0.	0.00
96	46.000	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.15	2.25	0.00	0.0	0.0	0.	0.00
97	45.900	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.14	2.24	0.00	0.0	0.0	0.	0.00
98	45.800	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.13	2.24	0.00	0.0	0.0	0.	0.00
99	45.700	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.12	2.23	0.00	0.0	0.0	0.	0.00
100	45.600	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.12	2.22	0.00	0.0	0.0	0.	0.00
101	45.500	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.11	2.21	0.00	0.0	0.0	0.	0.00
102	45.400	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.10	2.21	0.00	0.0	0.0	0.	0.00
103	45.300	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.10	2.20	0.00	0.0	0.0	0.	0.00
104	45.200	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.09	2.19	0.00	0.0	0.0	0.	0.00

105	45.100	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.08	2.19	0.00	0.0	0.0	0.	0.00
106	45.000	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.08	2.18	0.00	0.0	0.0	0.	0.00
107	44.900	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.07	2.17	0.00	0.0	0.0	0.	0.00
108	44.800	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.06	2.17	0.00	0.0	0.0	0.	0.00
109	44.700	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.06	2.16	0.00	0.0	0.0	0.	0.00
110	44.600	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.05	2.15	0.00	0.0	0.0	0.	0.00
111	44.500	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.04	2.15	0.00	0.0	0.0	0.	0.00
112	44.400	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.04	2.14	0.00	0.0	0.0	0.	0.00
113	44.300	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.03	2.13	0.00	0.0	0.0	0.	0.00
114	44.200	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.02	2.13	0.00	0.0	0.0	0.	0.00
115	44.100	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.02	2.12	0.00	0.0	0.0	0.	0.00
116	44.000	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.01	2.11	0.00	0.0	0.0	0.	0.00
117	43.900	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.01	2.11	0.00	0.0	0.0	0.	0.00
118	43.800	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.00	2.10	0.00	0.0	0.0	0.	0.00
119	43.700	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.99	2.10	0.00	0.0	0.0	0.	0.00
120	43.600	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.99	2.09	0.00	0.0	0.0	0.	0.00
121	43.500	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.98	2.08	0.00	0.0	0.0	0.	0.00
122	43.400	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.98	2.08	0.00	0.0	0.0	0.	0.00
123	43.300	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.97	2.07	0.00	0.0	0.0	0.	0.00
124	43.200	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.97	2.07	0.00	0.0	0.0	0.	0.00
125	43.100	30.00	0.0	0.0	0.0	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.96	2.06	0.00	0.0	0.0	0.	0.00
229	43.000	30.00	0.0	0.0	0.0	6.50	11.08	0.00	11.08	0.00	0.80	1.13	2.12	4.05	0.00	1.5	0.0	0.	0.00
230	42.900	30.00	0.0	0.0	0.0	6.31	10.96	0.00	10.96	0.00	0.80	1.10	2.15	4.05	0.00	3.1	0.0	0.	0.00
231	42.800	30.00	0.0	0.0	0.0	6.13	10.85	0.00	10.85	0.00	0.80	1.08	2.17	4.05	0.00	4.6	0.0	0.	0.00
232	42.700	30.00	0.0	0.0	0.0	5.97	10.75	0.00	10.75	0.00	0.80	1.05	2.20	4.05	0.00	6.1	0.0	0.	0.00
233	42.600	30.00	0.0	0.0	0.0	5.82	10.64	0.00	10.64	0.00	0.79	1.03	2.22	4.05	0.00	7.7	0.0	0.	0.00
234	42.500	30.00	0.0	0.0	0.0	5.69	10.54	0.00	10.54	0.00	0.79	1.01	2.24	4.04	0.00	9.2	0.0	0.	0.00
235	42.400	30.00	0.0	0.0	0.0	5.57	10.43	0.00	10.43	0.00	0.79	0.99	2.26	4.04	0.00	10.7	0.0	0.	0.00
236	42.300	30.00	0.0	0.0	0.0	5.46	10.33	0.00	10.33	0.00	0.79	0.96	2.28	4.04	0.00	12.3	0.0	0.	0.00
237	42.200	30.00	0.0	0.0	0.0	5.37	10.23	0.00	10.23	0.00	0.79	0.94	2.30	4.03	0.00	13.8	0.0	0.	0.00
238	42.100	30.00	0.0	0.0	0.0	5.28	10.13	0.00	10.13	0.00	0.79	0.92	2.32	4.03	0.00	15.3	0.0	0.	0.00
239	42.000	30.00	0.0	0.0	0.0	5.21	10.03	0.00	10.03	0.00	0.79	0.90	2.34	4.03	0.00	16.9	0.0	0.	0.00
240	41.900	30.00	0.0	0.0	0.0	5.15	9.93	0.00	9.93	0.00	0.79	0.88	2.35	4.02	0.00	18.4	0.0	0.	0.00
241	41.800	30.00	0.0	0.0	0.0	5.10	9.83	0.00	9.83	0.00	0.79	0.86	2.37	4.02	0.00	20.0	0.0	0.	0.00
242	41.700	30.00	0.0	0.0	0.0	5.06	9.74	0.00	9.74	0.00	0.78	0.85	2.38	4.01	0.00	21.5	0.0	0.	0.00
243	41.600	30.00	0.0	0.0	0.0	5.03	9.64	0.00	9.64	0.00	0.78	0.83	2.40	4.01	0.00	23.0	0.0	0.	0.00
244	41.500	30.00	0.0	0.0	0.0	5.01	9.55	0.00	9.55	0.00	0.78	0.81	2.41	4.00	0.00	24.6	0.0	0.	0.00
245	41.400	30.00	0.0	0.0	0.0	5.00	9.45	0.00	9.45	0.00	0.78	0.79	2.42	4.00	0.00	26.1	0.0	0.	0.00
246	41.300	30.00	0.0	0.0	0.0	5.00	9.36	0.00	9.36	0.00	0.78	0.78	2.44	3.99	0.00	27.6	0.0	0.	0.00
247	41.200	30.00	0.0	0.0	0.0	5.01	9.27	0.00	9.27	0.00	0.78	0.76	2.45	3.98	0.00	29.2	0.0	0.	0.00
248	41.100	30.00	0.0	0.0	0.0	5.03	9.18	0.00	9.18	0.00	0.78	0.74	2.46	3.98	0.00	30.7	0.0	0.	0.00
249	41.000	30.00	0.0	0.0	0.0	5.06	9.09	0.00	9.09	0.00	0.78	0.73	2.47	3.97	0.00	32.2	0.0	0.	0.00
250	40.900	30.00	0.0	0.0	0.0	5.10	9.00	0.00	9.00	0.00	0.78	0.71	2.48	3.96	0.00	33.8	0.0	0.	0.00
251	40.800	30.00	0.0	0.0	0.0	5.14	8.91	0.00	8.91	0.00	0.77	0.70	2.48	3.95	0.00	35.3	0.0	0.	0.00
252	40.700	30.00	0.0	0.0	0.0	5.19	8.82	0.00	8.82	0.00	0.77	0.68	2.49	3.95	0.00	36.8	0.0	0.	0.00
253	40.600	30.00	0.0	0.0	0.0	5.25	8.74	0.00	8.74	0.00	0.77	0.67	2.50	3.94	0.00	38.4	0.0	0.	0.00
254	40.500	30.00	0.0	0.0	0.0	5.32	8.65	0.00	8.65	0.00	0.77	0.65	2.50	3.93	0.00	39.9	0.0	0.	0.00
255	40.400	30.00	0.0	0.0	0.0	5.40	8.57	0.00	8.57	0.00	0.77	0.64	2.51	3.92	0.00	41.4	0.0	0.	0.00
256	40.300	30.00	0.0	0.0	0.0	5.48	8.48	0.00	8.48	0.00	0.77	0.63	2.52	3.91	0.00	43.0	0.0	0.	0.00
257	40.200	30.00	0.0	0.0	0.0	5.57	8.40	0.00	8.40	0.00	0.77	0.61	2.52	3.90	0.00	44.5	0.0	0.	0.00

258	40.100	30.00	0.0	0.0	0.0	5.67	8.32	0.00	8.32	0.00	0.77	0.60	2.52	3.89	0.00	46.0	0.0	0.	0.00
259	40.000	30.00	0.0	0.0	0.0	5.77	8.23	0.00	8.23	0.00	0.77	0.59	2.53	3.88	0.00	47.6	0.0	0.	0.00
260	39.900	30.00	0.0	0.0	0.0	5.88	8.15	0.00	8.15	0.00	0.76	0.57	2.53	3.87	0.00	49.1	0.0	0.	0.00
261	39.800	30.00	0.0	0.0	0.0	6.00	8.07	0.00	8.07	0.00	0.76	0.56	2.53	3.86	0.00	50.7	0.0	0.	0.00
262	39.700	30.00	0.0	0.0	0.0	6.12	7.99	0.00	7.99	0.00	0.76	0.55	2.53	3.84	0.00	52.2	0.0	0.	0.00
263	39.600	30.00	0.0	0.0	0.0	6.25	7.92	0.00	7.92	0.00	0.76	0.54	2.53	3.83	0.00	53.7	0.0	0.	0.00
264	39.500	30.00	0.0	0.0	0.0	6.38	7.84	0.00	7.84	0.00	0.76	0.53	2.53	3.82	0.00	55.3	0.0	0.	0.00
265	39.400	30.00	0.0	0.0	0.0	6.53	7.76	0.00	7.76	0.00	0.76	0.51	2.53	3.81	0.00	56.8	0.0	0.	0.00
266	39.300	30.00	0.0	0.0	0.0	6.67	7.68	0.00	7.68	0.00	0.76	0.50	2.53	3.79	0.00	58.3	0.0	0.	0.00
267	39.200	30.00	0.0	0.0	0.0	6.82	7.61	0.00	7.61	0.00	0.76	0.49	2.53	3.78	0.00	59.9	0.0	0.	0.00
268	39.100	30.00	0.0	0.0	0.0	6.98	7.53	0.00	7.53	0.00	0.76	0.48	2.53	3.77	0.00	61.4	0.0	0.	0.00
269	39.000	30.00	0.0	0.0	0.0	7.14	7.46	0.00	7.46	0.00	0.76	0.47	2.53	3.75	0.00	62.9	0.0	0.	0.00
270	38.900	30.00	0.0	0.0	0.0	7.31	7.39	0.00	7.39	0.00	0.75	0.46	2.52	3.74	0.00	64.5	0.0	0.	0.00
271	38.800	30.00	0.0	0.0	0.0	7.49	7.33	0.00	7.33	0.00	0.75	0.45	2.52	3.73	0.00	66.0	0.0	0.	0.00
347	38.700	30.00	0.0	0.0	0.0	7.70	7.22	0.00	7.22	0.00	0.75	0.43	2.50	3.68	0.00	65.1	0.0	0.	0.00
348	38.600	30.00	0.0	0.0	0.0	7.91	7.15	0.00	7.15	0.00	0.75	0.42	2.49	3.66	0.00	64.2	0.0	0.	0.00
349	38.500	30.00	0.0	0.0	0.0	8.11	7.08	0.00	7.08	0.00	0.75	0.40	2.48	3.64	0.00	63.3	0.0	0.	0.00
350	38.400	30.00	0.0	0.0	0.0	8.30	7.01	0.00	7.01	0.00	0.75	0.39	2.48	3.62	0.00	62.4	0.0	0.	0.00
351	38.300	30.00	0.0	0.0	0.0	8.48	6.94	0.00	6.94	0.00	0.75	0.38	2.47	3.59	0.00	61.5	0.0	0.	0.00
352	38.200	30.00	0.0	0.0	0.0	8.65	6.88	0.00	6.88	0.00	0.75	0.36	2.46	3.57	0.00	60.6	0.0	0.	0.00
353	38.100	30.00	0.0	0.0	0.0	8.82	6.81	0.00	6.81	0.00	0.74	0.35	2.45	3.55	0.00	59.7	0.0	0.	0.00
354	38.000	30.00	0.0	0.0	0.0	8.98	6.75	0.00	6.75	0.00	0.74	0.34	2.45	3.53	0.00	58.8	0.0	0.	0.00
355	37.900	30.00	0.0	0.0	0.0	9.13	6.68	0.00	6.68	0.00	0.74	0.33	2.44	3.51	0.00	57.9	0.0	0.	0.00
356	37.800	30.00	0.0	0.0	0.0	9.27	6.62	0.00	6.62	0.00	0.74	0.32	2.43	3.49	0.00	57.0	0.0	0.	0.00
357	37.700	30.00	0.0	0.0	0.0	9.40	6.56	0.00	6.56	0.00	0.74	0.31	2.42	3.47	0.00	56.1	0.0	0.	0.00
358	37.600	30.00	0.0	0.0	0.0	9.53	6.50	0.00	6.50	0.00	0.74	0.30	2.42	3.45	0.00	55.2	0.0	0.	0.00
359	37.500	30.00	0.0	0.0	0.0	9.65	6.44	0.00	6.44	0.00	0.73	0.29	2.41	3.43	0.00	54.2	0.0	0.	0.00
360	37.400	30.00	0.0	0.0	0.0	9.77	6.38	0.00	6.38	0.00	0.73	0.28	2.40	3.41	0.00	53.3	0.0	0.	0.00
361	37.300	30.00	0.0	0.0	0.0	9.87	6.32	0.00	6.32	0.00	0.73	0.27	2.39	3.39	0.00	52.4	0.0	0.	0.00
362	37.200	30.00	0.0	0.0	0.0	9.97	6.27	0.00	6.27	0.00	0.73	0.26	2.38	3.37	0.00	51.5	0.0	0.	0.00
363	37.100	30.00	0.0	0.0	0.0	10.07	6.21	0.00	6.21	0.00	0.73	0.25	2.37	3.35	0.00	50.6	0.0	0.	0.00
364	37.000	30.00	0.0	0.0	0.0	10.15	6.16	0.00	6.16	0.00	0.73	0.24	2.37	3.33	0.00	49.7	0.0	0.	0.00
365	36.900	30.00	0.0	0.0	0.0	10.23	6.10	0.00	6.10	0.00	0.72	0.23	2.36	3.32	0.00	48.8	0.0	0.	0.00
366	36.800	30.00	0.0	0.0	0.0	10.30	6.04	0.00	6.04	0.00	0.72	0.23	2.35	3.30	0.00	47.9	0.0	0.	0.00
367	36.700	30.00	0.0	0.0	0.0	10.25	6.87	0.00	6.87	0.00	0.78	0.36	2.31	3.45	0.00	47.0	0.0	0.	0.00
368	36.600	30.00	0.0	0.0	0.0	10.28	6.80	0.00	6.80	0.00	0.78	0.34	2.31	3.43	0.00	46.1	0.0	0.	0.00
369	36.500	30.00	0.0	0.0	0.0	10.31	6.74	0.00	6.74	0.00	0.78	0.33	2.30	3.41	0.00	45.2	0.0	0.	0.00
370	36.400	30.00	0.0	0.0	0.0	10.33	6.68	0.00	6.68	0.00	0.78	0.32	2.30	3.40	0.00	44.3	0.0	0.	0.00
371	36.300	30.00	0.0	0.0	0.0	10.34	6.62	0.00	6.62	0.00	0.77	0.31	2.30	3.38	0.00	43.4	0.0	0.	0.00
372	36.200	30.00	0.0	0.0	0.0	10.36	6.56	0.00	6.56	0.00	0.77	0.30	2.30	3.37	0.00	42.5	0.0	0.	0.00
373	36.100	30.00	0.0	0.0	0.0	10.36	6.50	0.00	6.50	0.00	0.77	0.29	2.29	3.35	0.00	41.6	0.0	0.	0.00
374	36.000	30.00	0.0	0.0	0.0	10.37	6.44	0.00	6.44	0.00	0.77	0.28	2.29	3.34	0.00	40.7	0.0	0.	0.00
375	35.900	30.00	0.0	0.0	0.0	10.37	6.38	0.00	6.38	0.00	0.77	0.27	2.29	3.33	0.00	39.8	0.0	0.	0.00
376	35.800	30.00	0.0	0.0	0.0	10.37	6.32	0.00	6.32	0.00	0.77	0.26	2.28	3.31	0.00	38.9	0.0	0.	0.00
377	35.700	30.00	0.0	0.0	0.0	10.36	6.27	0.00	6.27	0.00	0.76	0.26	2.28	3.30	0.00	38.0	0.0	0.	0.00
378	35.600	30.00	0.0	0.0	0.0	10.35	6.21	0.00	6.21	0.00	0.76	0.25	2.27	3.28	0.00	37.1	0.0	0.	0.00
379	35.500	30.00	0.0	0.0	0.0	10.33	6.16	0.00	6.16	0.00	0.76	0.24	2.27	3.27	0.00	36.2	0.0	0.	0.00
380	35.400	30.00	0.0	0.0	0.0	10.31	6.11	0.00	6.11	0.00	0.76	0.23	2.27	3.26	0.00	35.3	0.0	0.	0.00
381	35.300	30.00	0.0	0.0	0.0	10.29	6.05	0.00	6.05	0.00	0.76	0.22	2.26	3.25	0.00	34.4	0.0	0.	0.00
382	35.200	30.00	0.0	0.0	0.0	10.26	6.00	0.00	6.00	0.00	0.76	0.22	2.26	3.24	0.00	33.5	0.0	0.	0.00

383	35.100	30.00	0.0	0.0	0.0	10.23	5.95	0.00	5.95	0.00	0.75	0.21	2.26	3.22	0.00	32.5	0.0	0.	0.00
384	35.000	30.00	0.0	0.0	0.0	10.20	5.90	0.00	5.90	0.00	0.75	0.20	2.26	3.21	0.00	31.6	0.0	0.	0.00
385	34.900	30.00	0.0	0.0	0.0	10.16	5.85	0.00	5.85	0.00	0.75	0.20	2.25	3.20	0.00	30.7	0.0	0.	0.00
386	34.800	30.00	0.0	0.0	0.0	10.12	5.80	0.00	5.80	0.00	0.75	0.19	2.25	3.19	0.00	29.8	0.0	0.	0.00
387	34.700	30.00	0.0	0.0	0.0	10.08	5.75	0.00	5.75	0.00	0.75	0.19	2.25	3.18	0.00	28.9	0.0	0.	0.00
388	34.600	30.00	0.0	0.0	0.0	10.03	5.71	0.00	5.71	0.00	0.75	0.18	2.24	3.17	0.00	28.0	0.0	0.	0.00
389	34.500	30.00	0.0	0.0	0.0	9.98	5.66	0.00	5.66	0.00	0.74	0.18	2.24	3.16	0.00	27.1	0.0	0.	0.00
390	34.400	30.00	0.0	0.0	0.0	9.92	5.62	0.00	5.62	0.00	0.74	0.17	2.24	3.15	0.00	26.2	0.0	0.	0.00
391	34.300	30.00	0.0	0.0	0.0	9.86	5.57	0.00	5.57	0.00	0.74	0.17	2.24	3.14	0.00	25.3	0.0	0.	0.00
392	34.200	30.00	0.0	0.0	0.0	9.80	5.53	0.00	5.53	0.00	0.74	0.16	2.23	3.13	0.00	24.4	0.0	0.	0.00
393	34.100	30.00	0.0	0.0	0.0	9.74	5.48	0.00	5.48	0.00	0.74	0.16	2.23	3.13	0.00	23.5	0.0	0.	0.00
394	34.000	30.00	0.0	0.0	0.0	9.67	5.44	0.00	5.44	0.00	0.74	0.15	2.23	3.12	0.00	22.6	0.0	0.	0.00
395	33.900	30.00	0.0	0.0	0.0	9.60	5.40	0.00	5.40	0.00	0.73	0.15	2.23	3.11	0.00	21.7	0.0	0.	0.00
396	33.800	30.00	0.0	0.0	0.0	9.53	5.36	0.00	5.36	0.00	0.73	0.14	2.23	3.10	0.00	20.8	0.0	0.	0.00
397	33.700	30.00	0.0	0.0	0.0	9.45	5.32	0.00	5.32	0.00	0.73	0.14	2.22	3.10	0.00	19.9	0.0	0.	0.00
398	33.600	30.00	0.0	0.0	0.0	9.37	5.27	0.00	5.27	0.00	0.73	0.14	2.22	3.09	0.00	19.0	0.0	0.	0.00
399	33.500	30.00	0.0	0.0	0.0	9.29	5.24	0.00	5.24	0.00	0.73	0.13	2.22	3.08	0.00	18.1	0.0	0.	0.00
400	33.400	30.00	0.0	0.0	0.0	9.20	5.20	0.00	5.20	0.00	0.73	0.13	2.22	3.08	0.00	17.2	0.0	0.	0.00
401	33.300	30.00	0.0	0.0	0.0	9.11	5.16	0.00	5.16	0.00	0.73	0.13	2.22	3.07	0.00	16.3	0.0	0.	0.00
402	33.200	30.00	0.0	0.0	0.0	9.02	5.12	0.00	5.12	0.00	0.72	0.12	2.22	3.07	0.00	15.4	0.0	0.	0.00
403	33.100	30.00	0.0	0.0	0.0	8.93	5.08	0.00	5.08	0.00	0.72	0.12	2.22	3.06	0.00	14.5	0.0	0.	0.00
404	33.000	30.00	0.0	0.0	0.0	8.83	5.05	0.00	5.05	0.00	0.72	0.12	2.22	3.06	0.00	13.6	0.0	0.	0.00
405	32.900	30.00	0.0	0.0	0.0	8.73	5.01	0.00	5.01	0.00	0.72	0.11	2.22	3.05	0.00	12.7	0.0	0.	0.00
406	32.800	30.00	0.0	0.0	0.0	8.63	4.97	0.00	4.97	0.00	0.72	0.11	2.22	3.05	0.00	11.8	0.0	0.	0.00
407	32.700	30.00	0.0	0.0	0.0	8.53	4.94	0.00	4.94	0.00	0.72	0.11	2.22	3.04	0.00	10.8	0.0	0.	0.00
408	32.600	30.00	0.0	0.0	0.0	8.42	4.90	0.00	4.90	0.00	0.71	0.11	2.22	3.04	0.00	9.9	0.0	0.	0.00
409	32.500	30.00	0.0	0.0	0.0	8.31	4.87	0.00	4.87	0.00	0.71	0.10	2.22	3.04	0.00	9.0	0.0	0.	0.00
410	32.400	30.00	0.0	0.0	0.0	8.20	4.84	0.00	4.84	0.00	0.71	0.10	2.22	3.03	0.00	8.1	0.0	0.	0.00
411	32.300	30.00	0.0	0.0	0.0	8.08	4.80	0.00	4.80	0.00	0.71	0.10	2.22	3.03	0.00	7.2	0.0	0.	0.00
412	32.200	30.00	0.0	0.0	0.0	7.96	4.77	0.00	4.77	0.00	0.71	0.10	2.22	3.03	0.00	6.3	0.0	0.	0.00
413	32.100	30.00	0.0	0.0	0.0	7.85	4.74	0.00	4.74	0.00	0.71	0.09	2.23	3.03	0.00	5.4	0.0	0.	0.00
414	32.000	30.00	0.0	0.0	0.0	7.72	4.71	0.00	4.71	0.00	0.70	0.09	2.23	3.03	0.00	4.5	0.0	0.	0.00
415	31.900	30.00	0.0	0.0	0.0	7.60	4.68	0.00	4.68	0.00	0.70	0.09	2.23	3.02	0.00	3.6	0.0	0.	0.00
416	31.800	30.00	0.0	0.0	0.0	7.47	4.65	0.00	4.65	0.00	0.70	0.09	2.23	3.02	0.00	2.7	0.0	0.	0.00
417	31.700	30.00	0.0	0.0	0.0	7.35	4.62	0.00	4.62	0.00	0.70	0.09	2.24	3.02	0.00	1.8	0.0	0.	0.00
418	31.600	30.00	0.0	0.0	0.0	7.22	4.59	0.00	4.59	0.00	0.70	0.08	2.24	3.02	0.00	0.9	0.0	0.	0.00
419	31.500	30.00	0.0	0.0	0.0	7.08	4.56	0.00	4.56	0.00	0.70	0.08	2.24	3.02	0.00	0.0	0.0	0.	0.00
554	31.400	30.00	0.0	0.0	0.0	6.41	1.30	0.00	1.30	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
555	31.300	30.00	0.0	0.0	0.0	6.39	1.30	0.00	1.30	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
556	31.200	30.00	0.0	0.0	0.0	6.37	1.29	0.00	1.29	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
557	31.100	30.00	0.0	0.0	0.0	6.36	1.28	0.00	1.28	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
558	31.000	30.00	0.0	0.0	0.0	6.34	1.28	0.00	1.28	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
559	30.900	30.00	0.0	0.0	0.0	6.32	1.27	0.00	1.27	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
560	30.800	30.00	0.0	0.0	0.0	6.30	1.26	0.00	1.26	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
561	30.700	30.00	0.0	0.0	0.0	6.29	1.26	0.00	1.26	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
562	30.600	30.00	0.0	0.0	0.0	6.27	1.25	0.00	1.25	0.00	0.38	0.05	1.89	2.32	0.00	0.0	0.0	0.	0.00
563	30.500	30.00	0.0	0.0	0.0	6.25	1.25	0.00	1.25	0.00	0.38	0.04	1.89	2.32	0.00	0.0	0.0	0.	0.00
564	30.400	30.00	0.0	0.0	0.0	6.23	1.24	0.00	1.24	0.00	0.38	0.04	1.89	2.32	0.00	0.0	0.0	0.	0.00
565	30.300	30.00	0.0	0.0	0.0	6.22	1.23	0.00	1.23	0.00	0.38	0.04	1.89	2.32	0.00	0.0	0.0	0.	0.00
566	30.200	30.00	0.0	0.0	0.0	6.20	1.23	0.00	1.23	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00

567	30.100	30.00	0.0	0.0	0.0	6.19	1.22	0.00	1.22	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
568	30.000	30.00	0.0	0.0	0.0	6.17	1.22	0.00	1.22	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
569	29.900	30.00	0.0	0.0	0.0	6.15	1.21	0.00	1.21	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
570	29.800	30.00	0.0	0.0	0.0	6.14	1.20	0.00	1.20	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
571	29.700	30.00	0.0	0.0	0.0	6.12	1.20	0.00	1.20	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
572	29.600	30.00	0.0	0.0	0.0	6.11	1.19	0.00	1.19	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
573	29.500	30.00	0.0	0.0	0.0	6.09	1.19	0.00	1.19	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
574	29.400	30.00	0.0	0.0	0.0	6.08	1.18	0.00	1.18	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
575	29.300	30.00	0.0	0.0	0.0	6.06	1.17	0.00	1.17	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
576	29.200	30.00	0.0	0.0	0.0	6.05	1.17	0.00	1.17	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
577	29.100	30.00	0.0	0.0	0.0	6.03	1.16	0.00	1.16	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
578	29.000	30.00	0.0	0.0	0.0	6.02	1.16	0.00	1.16	0.00	0.38	0.04	1.90	2.32	0.00	0.0	0.0	0.	0.00
579	28.900	30.00	0.0	0.0	0.0	6.00	1.15	0.00	1.15	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
580	28.800	30.00	0.0	0.0	0.0	5.99	1.15	0.00	1.15	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
581	28.700	30.00	0.0	0.0	0.0	5.98	1.14	0.00	1.14	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
582	28.600	30.00	0.0	0.0	0.0	5.96	1.14	0.00	1.14	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
583	28.500	30.00	0.0	0.0	0.0	5.95	1.13	0.00	1.13	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
584	28.400	30.00	0.0	0.0	0.0	5.93	1.12	0.00	1.12	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
585	28.300	30.00	0.0	0.0	0.0	5.92	1.12	0.00	1.12	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
586	28.200	30.00	0.0	0.0	0.0	5.91	1.11	0.00	1.11	0.00	0.38	0.04	1.90	2.33	0.00	0.0	0.0	0.	0.00
587	28.100	30.00	0.0	0.0	0.0	5.90	1.11	0.00	1.11	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
588	28.000	30.00	0.0	0.0	0.0	5.88	1.10	0.00	1.10	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
589	27.900	30.00	0.0	0.0	0.0	5.87	1.10	0.00	1.10	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
590	27.800	30.00	0.0	0.0	0.0	5.86	1.09	0.00	1.09	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
591	27.700	30.00	0.0	0.0	0.0	5.84	1.09	0.00	1.09	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
592	27.600	30.00	0.0	0.0	0.0	5.83	1.08	0.00	1.08	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
593	27.500	30.00	0.0	0.0	0.0	5.82	1.08	0.00	1.08	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
594	27.400	30.00	0.0	0.0	0.0	5.81	1.07	0.00	1.07	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
595	27.300	30.00	0.0	0.0	0.0	5.80	1.07	0.00	1.07	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
596	27.200	30.00	0.0	0.0	0.0	5.78	1.06	0.00	1.06	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
597	27.100	30.00	0.0	0.0	0.0	5.77	1.06	0.00	1.06	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
598	27.000	30.00	0.0	0.0	0.0	5.76	1.05	0.00	1.05	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
599	26.900	30.00	0.0	0.0	0.0	5.75	1.05	0.00	1.05	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
600	26.800	30.00	0.0	0.0	0.0	5.74	1.04	0.00	1.04	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
601	26.700	30.00	0.0	0.0	0.0	5.73	1.04	0.00	1.04	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
602	26.600	30.00	0.0	0.0	0.0	5.72	1.03	0.00	1.03	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
603	26.500	30.00	0.0	0.0	0.0	5.71	1.03	0.00	1.03	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
604	26.400	30.00	0.0	0.0	0.0	5.69	1.02	0.00	1.02	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
605	26.300	30.00	0.0	0.0	0.0	5.68	1.02	0.00	1.02	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
606	26.200	30.00	0.0	0.0	0.0	5.67	1.01	0.00	1.01	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
607	26.100	30.00	0.0	0.0	0.0	5.66	1.01	0.00	1.01	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
608	26.000	30.00	0.0	0.0	0.0	5.65	1.00	0.00	1.00	0.00	0.38	0.04	1.91	2.33	0.00	0.0	0.0	0.	0.00
609	25.900	30.00	0.0	0.0	0.0	5.64	1.00	0.00	1.00	0.00	0.38	0.04	1.92	2.33	0.00	0.0	0.0	0.	0.00
610	25.800	30.00	0.0	0.0	0.0	5.63	0.99	0.00	0.99	0.00	0.38	0.04	1.92	2.33	0.00	0.0	0.0	0.	0.00
611	25.700	30.00	0.0	0.0	0.0	5.62	0.99	0.00	0.99	0.00	0.38	0.04	1.92	2.33	0.00	0.0	0.0	0.	0.00
612	25.600	30.00	0.0	0.0	0.0	5.61	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
613	25.500	30.00	0.0	0.0	0.0	5.60	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
614	25.400	30.00	0.0	0.0	0.0	5.59	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
615	25.300	30.00	0.0	0.0	0.0	5.58	0.97	0.00	0.97	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
616	25.200	30.00	0.0	0.0	0.0	5.57	0.97	0.00	0.97	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00

617	25.100	30.00	0.0	0.0	0.0	5.57	0.96	0.00	0.96	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
618	25.000	30.00	0.0	0.0	0.0	5.56	0.96	0.00	0.96	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
619	24.900	30.00	0.0	0.0	0.0	5.55	0.95	0.00	0.95	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
620	24.800	30.00	0.0	0.0	0.0	5.54	0.95	0.00	0.95	0.00	0.38	0.03	1.92	2.33	0.00	0.0	0.0	0.	0.00
621	24.700	30.00	0.0	0.0	0.0	5.53	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
622	24.600	30.00	0.0	0.0	0.0	5.52	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
623	24.500	30.00	0.0	0.0	0.0	5.51	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
624	24.400	30.00	0.0	0.0	0.0	5.50	0.93	0.00	0.93	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
625	24.300	30.00	0.0	0.0	0.0	5.50	0.93	0.00	0.93	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
626	24.200	30.00	0.0	0.0	0.0	5.49	0.92	0.00	0.92	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
627	24.100	30.00	0.0	0.0	0.0	5.48	0.92	0.00	0.92	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
628	24.000	30.00	0.0	0.0	0.0	5.47	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
629	23.900	30.00	0.0	0.0	0.0	5.46	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
630	23.800	30.00	0.0	0.0	0.0	5.45	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
631	23.700	30.00	0.0	0.0	0.0	5.45	0.90	0.00	0.90	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
632	23.600	30.00	0.0	0.0	0.0	5.44	0.90	0.00	0.90	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
633	23.500	30.00	0.0	0.0	0.0	5.43	0.89	0.00	0.89	0.00	0.38	0.03	1.92	2.34	0.00	0.0	0.0	0.	0.00
634	23.400	30.00	0.0	0.0	0.0	5.42	0.89	0.00	0.89	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
635	23.300	30.00	0.0	0.0	0.0	5.42	0.89	0.00	0.89	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
636	23.200	30.00	0.0	0.0	0.0	5.41	0.88	0.00	0.88	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
637	23.100	30.00	0.0	0.0	0.0	5.40	0.88	0.00	0.88	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
638	23.000	30.00	0.0	0.0	0.0	5.39	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
639	22.900	30.00	0.0	0.0	0.0	5.39	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
640	22.800	30.00	0.0	0.0	0.0	5.38	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
641	22.700	30.00	0.0	0.0	0.0	5.37	0.86	0.00	0.86	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
642	22.600	30.00	0.0	0.0	0.0	5.37	0.86	0.00	0.86	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
643	22.500	30.00	0.0	0.0	0.0	5.36	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
644	22.400	30.00	0.0	0.0	0.0	5.35	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
645	22.300	30.00	0.0	0.0	0.0	5.35	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
646	22.200	30.00	0.0	0.0	0.0	5.34	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
647	22.100	30.00	0.0	0.0	0.0	5.33	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
648	22.000	30.00	0.0	0.0	0.0	5.33	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
649	21.900	30.00	0.0	0.0	0.0	5.32	0.83	0.00	0.83	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
650	21.800	30.00	0.0	0.0	0.0	5.31	0.83	0.00	0.83	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
651	21.700	30.00	0.0	0.0	0.0	5.31	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
652	21.600	30.00	0.0	0.0	0.0	5.30	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
653	21.500	30.00	0.0	0.0	0.0	5.30	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
654	21.400	30.00	0.0	0.0	0.0	5.29	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
655	21.300	30.00	0.0	0.0	0.0	5.28	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
656	21.200	30.00	0.0	0.0	0.0	5.28	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
657	21.100	30.00	0.0	0.0	0.0	5.27	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
658	21.000	30.00	0.0	0.0	0.0	5.27	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
659	20.900	30.00	0.0	0.0	0.0	5.26	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
660	20.800	30.00	0.0	0.0	0.0	5.25	0.79	0.00	0.79	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
661	20.700	30.00	0.0	0.0	0.0	5.25	0.79	0.00	0.79	0.00	0.38	0.03	1.93	2.34	0.00	0.0	0.0	0.	0.00
662	20.600	30.00	0.0	0.0	0.0	5.24	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.35	0.00	0.0	0.0	0.	0.00
663	20.500	30.00	0.0	0.0	0.0	5.24	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.0	0.0	0.	0.00
664	20.400	30.00	0.0	0.0	0.0	5.23	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.0	0.0	0.	0.00
665	20.300	30.00	0.0	0.0	0.0	5.23	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.0	0.0	0.	0.00
666	20.200	30.00	0.0	0.0	0.0	5.22	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00

667	20.100	30.00	0.0	0.0	0.0	5.22	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
668	20.000	30.00	0.0	0.0	0.0	5.21	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
669	19.900	30.00	0.0	0.0	0.0	5.21	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
670	19.800	30.00	0.0	0.0	0.0	5.20	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
671	19.700	30.00	0.0	0.0	0.0	5.20	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
672	19.600	30.00	0.0	0.0	0.0	5.19	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
673	19.500	30.00	0.0	0.0	0.0	5.19	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
674	19.400	30.00	0.0	0.0	0.0	5.18	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
675	19.300	30.00	0.0	0.0	0.0	5.18	0.76	0.00	0.76	0.00	0.38	0.03	1.94	2.36	0.00	0.0	0.0	0.	0.00
676	19.200	30.00	0.0	0.0	0.0	5.17	0.76	0.00	0.76	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
677	19.100	30.00	0.0	0.0	0.0	5.17	0.76	0.00	0.76	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
678	19.000	30.00	0.0	0.0	0.0	5.16	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
679	18.900	30.00	0.0	0.0	0.0	5.16	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
680	18.800	30.00	0.0	0.0	0.0	5.15	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
681	18.700	30.00	0.0	0.0	0.0	5.15	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
682	18.600	30.00	0.0	0.0	0.0	5.15	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
683	18.500	30.00	0.0	0.0	0.0	5.14	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
684	18.400	30.00	0.0	0.0	0.0	5.14	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
685	18.300	30.00	0.0	0.0	0.0	5.13	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
686	18.200	30.00	0.0	0.0	0.0	5.13	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
687	18.100	30.00	0.0	0.0	0.0	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
688	18.000	30.00	0.0	0.0	0.0	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
689	17.900	30.00	0.0	0.0	0.0	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
690	17.800	30.00	0.0	0.0	0.0	5.11	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
691	17.700	30.00	0.0	0.0	0.0	5.11	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
692	17.600	30.00	0.0	0.0	0.0	5.10	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
693	17.500	30.00	0.0	0.0	0.0	5.10	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
694	17.400	30.00	0.0	0.0	0.0	5.10	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
695	17.300	30.00	0.0	0.0	0.0	5.09	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
696	17.200	30.00	0.0	0.0	0.0	5.09	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
697	17.100	30.00	0.0	0.0	0.0	5.09	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
698	17.000	30.00	0.0	0.0	0.0	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
699	16.900	30.00	0.0	0.0	0.0	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
700	16.800	30.00	0.0	0.0	0.0	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
701	16.700	30.00	0.0	0.0	0.0	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
702	16.600	30.00	0.0	0.0	0.0	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
703	16.500	30.00	0.0	0.0	0.0	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
704	16.400	30.00	0.0	0.0	0.0	5.06	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
705	16.300	30.00	0.0	0.0	0.0	5.06	0.67	0.00	0.67	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
706	16.200	30.00	0.0	0.0	0.0	5.06	0.67	0.00	0.67	0.00	0.38	0.03	1.95	2.36	0.00	0.0	0.0	0.	0.00
707	16.100	30.00	0.0	0.0	0.0	5.05	0.67	0.00	0.67	0.00	0.38	0.03	1.96	2.36	0.00	0.0	0.0	0.	0.00
708	16.000	30.00	0.0	0.0	0.0	5.05	0.66	0.00	0.66	0.00	0.38	0.03	1.96	2.36	0.00	0.0	0.0	0.	0.00
709	15.900	30.00	0.0	0.0	0.0	5.05	0.66	0.00	0.66	0.00	0.38	0.03	1.96	2.37	0.00	0.0	0.0	0.	0.00
829	15.800	30.00	0.0	0.0	0.0	5.06	1.30	0.00	1.30	0.00	0.49	0.04	1.91	2.45	0.00	0.0	0.0	0.	0.00
830	15.700	30.00	0.0	0.0	0.0	5.06	1.29	0.00	1.29	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
831	15.600	30.00	0.0	0.0	0.0	5.05	1.28	0.00	1.28	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
832	15.500	30.00	0.0	0.0	0.0	5.05	1.26	0.00	1.26	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
833	15.400	30.00	0.0	0.0	0.0	5.05	1.25	0.00	1.25	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
834	15.300	30.00	0.0	0.0	0.0	5.05	1.24	0.00	1.24	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
835	15.200	30.00	0.0	0.0	0.0	5.04	1.23	0.00	1.23	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00

836	15.100	30.00	0.0	0.0	0.0	5.04	1.22	0.00	1.22	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
837	15.000	30.00	0.0	0.0	0.0	5.04	1.21	0.00	1.21	0.00	0.49	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
838	14.900	30.00	0.0	0.0	0.0	5.04	1.20	0.00	1.20	0.00	0.50	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
839	14.800	30.00	0.0	0.0	0.0	5.03	1.19	0.00	1.19	0.00	0.50	0.04	1.92	2.45	0.00	0.0	0.0	0.	0.00
840	14.700	30.00	0.0	0.0	0.0	5.03	1.17	0.00	1.17	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
841	14.600	30.00	0.0	0.0	0.0	5.03	1.16	0.00	1.16	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
842	14.500	30.00	0.0	0.0	0.0	5.03	1.15	0.00	1.15	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
843	14.400	30.00	0.0	0.0	0.0	5.03	1.14	0.00	1.14	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
844	14.300	30.00	0.0	0.0	0.0	5.02	1.13	0.00	1.13	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
845	14.200	30.00	0.0	0.0	0.0	5.02	1.12	0.00	1.12	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
846	14.100	30.00	0.0	0.0	0.0	5.02	1.11	0.00	1.11	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
847	14.000	30.00	0.0	0.0	0.0	5.02	1.10	0.00	1.10	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
848	13.900	30.00	0.0	0.0	0.0	5.02	1.09	0.00	1.09	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
849	13.800	30.00	0.0	0.0	0.0	5.02	1.08	0.00	1.08	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
850	13.700	30.00	0.0	0.0	0.0	5.02	1.07	0.00	1.07	0.00	0.50	0.04	1.92	2.46	0.00	0.0	0.0	0.	0.00
851	13.600	30.00	0.0	0.0	0.0	5.02	1.06	0.00	1.06	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
852	13.500	30.00	0.0	0.0	0.0	5.02	1.05	0.00	1.05	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
853	13.400	30.00	0.0	0.0	0.0	5.02	1.04	0.00	1.04	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
854	13.300	30.00	0.0	0.0	0.0	5.01	1.03	0.00	1.03	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
855	13.200	30.00	0.0	0.0	0.0	5.01	1.02	0.00	1.02	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
856	13.100	30.00	0.0	0.0	0.0	5.01	1.01	0.00	1.01	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
857	13.000	30.00	0.0	0.0	0.0	5.01	1.00	0.00	1.00	0.00	0.50	0.04	1.93	2.46	0.00	0.0	0.0	0.	0.00
858	12.900	30.00	0.0	0.0	0.0	5.01	1.00	0.00	1.00	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
859	12.800	30.00	0.0	0.0	0.0	5.01	0.99	0.00	0.99	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
860	12.700	30.00	0.0	0.0	0.0	5.01	0.98	0.00	0.98	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
861	12.600	30.00	0.0	0.0	0.0	5.01	0.97	0.00	0.97	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
862	12.500	30.00	0.0	0.0	0.0	5.01	0.96	0.00	0.96	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
863	12.400	30.00	0.0	0.0	0.0	5.01	0.95	0.00	0.95	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
864	12.300	30.00	0.0	0.0	0.0	5.01	0.94	0.00	0.94	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
865	12.200	30.00	0.0	0.0	0.0	5.02	0.93	0.00	0.93	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
866	12.100	30.00	0.0	0.0	0.0	5.02	0.92	0.00	0.92	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
867	12.000	30.00	0.0	0.0	0.0	5.02	0.92	0.00	0.92	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
868	11.900	30.00	0.0	0.0	0.0	5.02	0.91	0.00	0.91	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
869	11.800	30.00	0.0	0.0	0.0	5.02	0.90	0.00	0.90	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
870	11.700	30.00	0.0	0.0	0.0	5.02	0.89	0.00	0.89	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
871	11.600	30.00	0.0	0.0	0.0	5.02	0.88	0.00	0.88	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
872	11.500	30.00	0.0	0.0	0.0	5.02	0.87	0.00	0.87	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
873	11.400	30.00	0.0	0.0	0.0	5.02	0.87	0.00	0.87	0.00	0.50	0.04	1.93	2.47	0.00	0.0	0.0	0.	0.00
874	11.300	30.00	0.0	0.0	0.0	5.02	0.86	0.00	0.86	0.00	0.50	0.04	1.94	2.47	0.00	0.0	0.0	0.	0.00
875	11.200	30.00	0.0	0.0	0.0	5.02	0.85	0.00	0.85	0.00	0.50	0.04	1.94	2.48	0.00	0.0	0.0	0.	0.00
876	11.100	30.00	0.0	0.0	0.0	5.03	0.84	0.00	0.84	0.00	0.50	0.04	1.94	2.48	0.00	0.0	0.0	0.	0.00
877	11.000	30.00	0.0	0.0	0.0	5.03	0.84	0.00	0.84	0.00	0.50	0.04	1.94	2.48	0.00	0.0	0.0	0.	0.00
878	10.900	30.00	0.0	0.0	0.0	5.03	0.83	0.00	0.83	0.00	0.50	0.04	1.94	2.48	0.00	0.0	0.0	0.	0.00
1047	10.800	30.00	0.0	0.0	0.0	5.03	0.82	0.00	0.82	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1048	10.700	30.00	0.0	0.0	0.0	5.03	0.82	0.00	0.82	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1049	10.600	30.00	0.0	0.0	0.0	5.03	0.81	0.00	0.81	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1050	10.500	30.00	0.0	0.0	0.0	5.03	0.81	0.00	0.81	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1051	10.400	30.00	0.0	0.0	0.0	5.03	0.80	0.00	0.80	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1052	10.300	30.00	0.0	0.0	0.0	5.03	0.80	0.00	0.80	0.00	0.50	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1053	10.200	30.00	0.0	0.0	0.0	5.03	0.79	0.00	0.79	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00

1054	10.100	30.00	0.0	0.0	0.0	5.03	0.79	0.00	0.79	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1055	10.000	30.00	0.0	0.0	0.0	5.03	0.78	0.00	0.78	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1056	9.900	30.00	0.0	0.0	0.0	5.03	0.78	0.00	0.78	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1057	9.800	30.00	0.0	0.0	0.0	5.03	0.77	0.00	0.77	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1058	9.700	30.00	0.0	0.0	0.0	5.03	0.77	0.00	0.77	0.00	0.51	0.04	1.77	2.31	0.00	0.0	0.0	0.	0.00
1059	9.600	30.00	0.0	0.0	0.0	5.03	0.76	0.00	0.76	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1060	9.500	30.00	0.0	0.0	0.0	5.03	0.76	0.00	0.76	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1061	9.400	30.00	0.0	0.0	0.0	5.03	0.75	0.00	0.75	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1062	9.300	30.00	0.0	0.0	0.0	5.03	0.75	0.00	0.75	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1063	9.200	30.00	0.0	0.0	0.0	5.03	0.74	0.00	0.74	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1064	9.100	30.00	0.0	0.0	0.0	5.03	0.74	0.00	0.74	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1065	9.000	30.00	0.0	0.0	0.0	5.03	0.73	0.00	0.73	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1066	8.900	30.00	0.0	0.0	0.0	5.04	0.73	0.00	0.73	0.00	0.51	0.04	1.77	2.32	0.00	0.0	0.0	0.	0.00
1067	8.800	30.00	0.0	0.0	0.0	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.0	0.0	0.	0.00
1068	8.700	30.00	0.0	0.0	0.0	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.0	0.0	0.	0.00
1069	8.600	30.00	0.0	0.0	0.0	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.0	0.0	0.	0.00
1070	8.500	30.00	0.0	0.0	0.0	5.04	0.71	0.00	0.71	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1071	8.400	30.00	0.0	0.0	0.0	5.04	0.71	0.00	0.71	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1072	8.300	30.00	0.0	0.0	0.0	5.04	0.70	0.00	0.70	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1073	8.200	30.00	0.0	0.0	0.0	5.04	0.70	0.00	0.70	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1074	8.100	30.00	0.0	0.0	0.0	5.04	0.69	0.00	0.69	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1075	8.000	30.00	0.0	0.0	0.0	5.04	0.69	0.00	0.69	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1076	7.900	30.00	0.0	0.0	0.0	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1077	7.800	30.00	0.0	0.0	0.0	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.32	0.00	0.0	0.0	0.	0.00
1078	7.700	30.00	0.0	0.0	0.0	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1079	7.600	30.00	0.0	0.0	0.0	5.05	0.67	0.00	0.67	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1080	7.500	30.00	0.0	0.0	0.0	5.05	0.67	0.00	0.67	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1081	7.400	30.00	0.0	0.0	0.0	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1082	7.300	30.00	0.0	0.0	0.0	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1083	7.200	30.00	0.0	0.0	0.0	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1084	7.100	30.00	0.0	0.0	0.0	5.05	0.65	0.00	0.65	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1085	7.000	30.00	0.0	0.0	0.0	5.05	0.65	0.00	0.65	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1086	6.900	30.00	0.0	0.0	0.0	5.05	0.64	0.00	0.64	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1087	6.800	30.00	0.0	0.0	0.0	5.05	0.64	0.00	0.64	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1088	6.700	30.00	0.0	0.0	0.0	5.05	0.63	0.00	0.63	0.00	0.51	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1089	6.600	30.00	0.0	0.0	0.0	5.06	0.63	0.00	0.63	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1090	6.500	30.00	0.0	0.0	0.0	5.06	0.63	0.00	0.63	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1091	6.400	30.00	0.0	0.0	0.0	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1092	6.300	30.00	0.0	0.0	0.0	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1093	6.200	30.00	0.0	0.0	0.0	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1094	6.100	30.00	0.0	0.0	0.0	5.06	0.61	0.00	0.61	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1095	6.000	30.00	0.0	0.0	0.0	5.06	0.61	0.00	0.61	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1096	5.900	30.00	0.0	0.0	0.0	5.06	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1097	5.800	30.00	0.0	0.0	0.0	5.07	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.33	0.00	0.0	0.0	0.	0.00
1098	5.700	30.00	0.0	0.0	0.0	5.07	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.34	0.00	0.0	0.0	0.	0.00
1099	5.600	30.00	0.0	0.0	0.0	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.0	0.0	0.	0.00
1100	5.500	30.00	0.0	0.0	0.0	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.0	0.0	0.	0.00
1101	5.400	30.00	0.0	0.0	0.0	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.0	0.0	0.	0.00
1102	5.300	30.00	0.0	0.0	0.0	5.07	0.58	0.00	0.58	0.00	0.52	0.03	1.78	2.34	0.00	0.0	0.0	0.	0.00
1103	5.200	30.00	0.0	0.0	0.0	5.07	0.58	0.00	0.58	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00

1104	5.100	30.00	0.0	0.0	0.0	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1105	5.000	30.00	0.0	0.0	0.0	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1106	4.900	30.00	0.0	0.0	0.0	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1107	4.800	30.00	0.0	0.0	0.0	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1108	4.700	30.00	0.0	0.0	0.0	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1109	4.600	30.00	0.0	0.0	0.0	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1110	4.500	30.00	0.0	0.0	0.0	5.08	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1111	4.400	30.00	0.0	0.0	0.0	5.09	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1112	4.300	30.00	0.0	0.0	0.0	5.09	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1113	4.200	30.00	0.0	0.0	0.0	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1114	4.100	30.00	0.0	0.0	0.0	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1115	4.000	30.00	0.0	0.0	0.0	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1116	3.900	30.00	0.0	0.0	0.0	5.09	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.34	0.00	0.0	0.0	0.	0.00
1117	3.800	30.00	0.0	0.0	0.0	5.09	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1118	3.700	30.00	0.0	0.0	0.0	5.10	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1119	3.600	30.00	0.0	0.0	0.0	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1120	3.500	30.00	0.0	0.0	0.0	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1121	3.400	30.00	0.0	0.0	0.0	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1122	3.300	30.00	0.0	0.0	0.0	5.10	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1123	3.200	30.00	0.0	0.0	0.0	5.10	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1124	3.100	30.00	0.0	0.0	0.0	5.11	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1125	3.000	30.00	0.0	0.0	0.0	5.11	0.50	0.00	0.50	0.00	0.52	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1126	2.900	30.00	0.0	0.0	0.0	5.11	0.50	0.00	0.50	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1127	2.800	30.00	0.0	0.0	0.0	5.11	0.50	0.00	0.50	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1128	2.700	30.00	0.0	0.0	0.0	5.11	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1129	2.600	30.00	0.0	0.0	0.0	5.11	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1130	2.500	30.00	0.0	0.0	0.0	5.12	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1131	2.400	30.00	0.0	0.0	0.0	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1132	2.300	30.00	0.0	0.0	0.0	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1133	2.200	30.00	0.0	0.0	0.0	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1134	2.100	30.00	0.0	0.0	0.0	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1135	2.000	30.00	0.0	0.0	0.0	5.12	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.35	0.00	0.0	0.0	0.	0.00
1136	1.900	30.00	0.0	0.0	0.0	5.13	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.36	0.00	0.0	0.0	0.	0.00
1137	1.800	30.00	0.0	0.0	0.0	5.13	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.36	0.00	0.0	0.0	0.	0.00
1138	1.700	30.00	0.0	0.0	0.0	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.79	2.36	0.00	0.0	0.0	0.	0.00
1139	1.600	30.00	0.0	0.0	0.0	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.79	2.36	0.00	0.0	0.0	0.	0.00
1140	1.500	30.00	0.0	0.0	0.0	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1141	1.400	30.00	0.0	0.0	0.0	5.13	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1142	1.300	30.00	0.0	0.0	0.0	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1143	1.200	30.00	0.0	0.0	0.0	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1144	1.100	30.00	0.0	0.0	0.0	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1145	1.000	30.00	0.0	0.0	0.0	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1146	0.900	30.00	0.0	0.0	0.0	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1147	0.800	30.00	0.0	0.0	0.0	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1148	0.700	30.00	0.0	0.0	0.0	5.15	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1149	0.600	30.00	0.0	0.0	0.0	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1150	0.500	30.00	0.0	0.0	0.0	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1151	0.400	30.00	0.0	0.0	0.0	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1152	0.300	30.00	0.0	0.0	0.0	5.15	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00
1153	0.200	30.00	0.0	0.0	0.0	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00

1154	0.100	30.00	0.0	0.0	0.0	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.0	0.0	0.	0.00		
1155	0.000	30.00	0.0	0.0	0.0	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.37	0.00	0.0	0.0	0.	0.00		

SPECIAL REPORT: Bayou Poydras #1

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
126	10.200	30.00	0.0	0.0	0.0	6.01	11.50	0.00	11.50	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
127	10.100	30.00	0.0	0.0	0.0	6.02	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
128	10.000	30.00	0.0	0.0	0.0	6.03	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
129	9.900	30.00	0.0	0.0	0.0	6.04	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
130	9.800	30.00	0.0	0.0	0.0	6.06	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
131	9.700	30.00	0.0	0.0	0.0	6.07	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.0	0.0	0.	0.00		
132	9.600	30.00	0.0	0.0	0.0	6.08	11.49	0.00	11.49	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
133	9.500	30.00	0.0	0.0	0.0	6.09	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
134	9.400	30.00	0.0	0.0	0.0	6.10	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
135	9.300	30.00	0.0	0.0	0.0	6.11	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
136	9.200	30.00	0.0	0.0	0.0	6.12	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
137	9.100	30.00	0.0	0.0	0.0	6.13	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
138	9.000	30.00	0.0	0.0	0.0	6.14	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
139	8.900	30.00	0.0	0.0	0.0	6.15	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
140	8.800	30.00	0.0	0.0	0.0	6.16	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
141	8.700	30.00	0.0	0.0	0.0	6.17	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
142	8.600	30.00	0.0	0.0	0.0	6.18	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
143	8.500	30.00	0.0	0.0	0.0	6.19	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
144	8.400	30.00	0.0	0.0	0.0	6.20	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.0	0.0	0.	0.00		
145	8.300	30.00	0.0	0.0	0.0	6.21	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.04	0.00	0.0	0.0	0.	0.00		
146	8.200	30.00	0.0	0.0	0.0	6.22	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.04	0.00	0.0	0.0	0.	0.00		
147	8.100	30.00	0.0	0.0	0.0	6.23	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.04	0.00	0.0	0.0	0.	0.00		
148	8.000	30.00	0.0	0.0	0.0	6.24	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
149	7.900	30.00	0.0	0.0	0.0	6.25	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
150	7.800	30.00	0.0	0.0	0.0	6.26	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
151	7.700	30.00	0.0	0.0	0.0	6.27	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
152	7.600	30.00	0.0	0.0	0.0	6.28	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
153	7.500	30.00	0.0	0.0	0.0	6.29	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
154	7.400	30.00	0.0	0.0	0.0	6.29	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
155	7.300	30.00	0.0	0.0	0.0	6.30	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
156	7.200	30.00	0.0	0.0	0.0	6.31	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
157	7.100	30.00	0.0	0.0	0.0	6.32	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
158	7.000	30.00	0.0	0.0	0.0	6.33	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
159	6.900	30.00	0.0	0.0	0.0	6.34	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
160	6.800	30.00	0.0	0.0	0.0	6.35	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
161	6.700	30.00	0.0	0.0	0.0	6.35	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.0	0.0	0.	0.00		
162	6.600	30.00	0.0	0.0	0.0	6.36	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.0	0.0	0.	0.00		
163	6.500	30.00	0.0	0.0	0.0	6.37	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.0	0.0	0.	0.00		
164	6.400	30.00	0.0	0.0	0.0	6.38	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.0	0.0	0.	0.00		
165	6.300	30.00	0.0	0.0	0.0	6.39	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.0	0.0	0.	0.00		
166	6.200	30.00	0.0	0.0	0.0	6.39	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.0	0.0	0.	0.00		
167	6.100	30.00	0.0	0.0	0.0	6.40	11.46	0.00	11.46	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0.	0.00		
168	6.000	30.00	0.0	0.0	0.0	6.41	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0.	0.00		
169	5.900	30.00	0.0	0.0	0.0	6.42	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0.	0.00		

170	5.800	30.00	0.0	0.0	0.0	6.42	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
171	5.700	30.00	0.0	0.0	0.0	6.43	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
172	5.600	30.00	0.0	0.0	0.0	6.44	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
173	5.500	30.00	0.0	0.0	0.0	6.45	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
174	5.400	30.00	0.0	0.0	0.0	6.45	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
175	5.300	30.00	0.0	0.0	0.0	6.46	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
176	5.200	30.00	0.0	0.0	0.0	6.47	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
177	5.100	30.00	0.0	0.0	0.0	6.48	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
178	5.000	30.00	0.0	0.0	0.0	6.48	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
179	4.900	30.00	0.0	0.0	0.0	6.49	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
180	4.800	30.00	0.0	0.0	0.0	6.50	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
181	4.700	30.00	0.0	0.0	0.0	6.50	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
182	4.600	30.00	0.0	0.0	0.0	6.51	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
183	4.500	30.00	0.0	0.0	0.0	6.52	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.0	0.0	0. 0.00
184	4.400	30.00	0.0	0.0	0.0	6.52	11.42	0.00	11.42	0.00	0.80	1.22	2.03	4.05	0.00	0.0	0.0	0. 0.00
185	4.300	30.00	0.0	0.0	0.0	6.53	11.41	0.00	11.41	0.00	0.80	1.22	2.03	4.05	0.00	0.0	0.0	0. 0.00
186	4.200	30.00	0.0	0.0	0.0	6.53	11.47	0.00	11.47	0.00	0.80	1.23	2.03	4.06	0.00	0.0	0.0	0. 0.00
187	4.100	30.00	0.0	0.0	0.0	6.54	11.48	0.00	11.48	0.00	0.81	1.23	2.03	4.07	0.00	0.0	0.0	0. 0.00
188	4.000	30.00	0.0	0.0	0.0	6.54	11.48	0.00	11.48	0.00	0.81	1.23	2.03	4.07	0.00	0.0	0.0	0. 0.00
189	3.900	30.00	0.0	0.0	0.0	6.55	11.47	0.00	11.47	0.00	0.81	1.23	2.03	4.07	0.00	0.0	0.0	0. 0.00
190	3.800	30.00	0.0	0.0	0.0	6.55	11.46	0.00	11.46	0.00	0.81	1.23	2.04	4.07	0.00	0.0	0.0	0. 0.00
191	3.700	30.00	0.0	0.0	0.0	6.56	11.46	0.00	11.46	0.00	0.81	1.22	2.04	4.07	0.00	0.0	0.0	0. 0.00
192	3.600	30.00	0.0	0.0	0.0	6.56	11.45	0.00	11.45	0.00	0.81	1.22	2.04	4.07	0.00	0.0	0.0	0. 0.00
193	3.500	30.00	0.0	0.0	0.0	6.57	11.44	0.00	11.44	0.00	0.81	1.22	2.04	4.07	0.00	0.0	0.0	0. 0.00
194	3.400	30.00	0.0	0.0	0.0	6.57	11.44	0.00	11.44	0.00	0.81	1.22	2.04	4.07	0.00	0.0	0.0	0. 0.00
195	3.300	30.00	0.0	0.0	0.0	6.58	11.43	0.00	11.43	0.00	0.81	1.22	2.04	4.07	0.00	0.0	0.0	0. 0.00
196	3.200	30.00	0.0	0.0	0.0	6.58	11.43	0.00	11.43	0.00	0.81	1.21	2.05	4.07	0.00	0.0	0.0	0. 0.00
197	3.100	30.00	0.0	0.0	0.0	6.59	11.42	0.00	11.42	0.00	0.80	1.21	2.05	4.07	0.00	0.0	0.0	0. 0.00
198	3.000	30.00	0.0	0.0	0.0	6.59	11.41	0.00	11.41	0.00	0.80	1.21	2.05	4.07	0.00	0.0	0.0	0. 0.00
199	2.900	30.00	0.0	0.0	0.0	6.60	11.41	0.00	11.41	0.00	0.80	1.21	2.05	4.06	0.00	0.0	0.0	0. 0.00
200	2.800	30.00	0.0	0.0	0.0	6.60	11.40	0.00	11.40	0.00	0.80	1.21	2.05	4.06	0.00	0.0	0.0	0. 0.00
201	2.700	30.00	0.0	0.0	0.0	6.61	11.39	0.00	11.39	0.00	0.80	1.21	2.05	4.06	0.00	0.0	0.0	0. 0.00
202	2.600	30.00	0.0	0.0	0.0	6.61	11.39	0.00	11.39	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
203	2.500	30.00	0.0	0.0	0.0	6.61	11.38	0.00	11.38	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
204	2.400	30.00	0.0	0.0	0.0	6.62	11.38	0.00	11.38	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
205	2.300	30.00	0.0	0.0	0.0	6.62	11.37	0.00	11.37	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
206	2.200	30.00	0.0	0.0	0.0	6.63	11.36	0.00	11.36	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
207	2.100	30.00	0.0	0.0	0.0	6.63	11.36	0.00	11.36	0.00	0.80	1.20	2.06	4.06	0.00	0.0	0.0	0. 0.00
208	2.000	30.00	0.0	0.0	0.0	6.63	11.35	0.00	11.35	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
209	1.900	30.00	0.0	0.0	0.0	6.64	11.35	0.00	11.35	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
210	1.800	30.00	0.0	0.0	0.0	6.64	11.34	0.00	11.34	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
211	1.700	30.00	0.0	0.0	0.0	6.65	11.33	0.00	11.33	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
212	1.600	30.00	0.0	0.0	0.0	6.65	11.33	0.00	11.33	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
213	1.500	30.00	0.0	0.0	0.0	6.65	11.32	0.00	11.32	0.00	0.80	1.19	2.07	4.06	0.00	0.0	0.0	0. 0.00
214	1.400	30.00	0.0	0.0	0.0	6.66	11.32	0.00	11.32	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00
215	1.300	30.00	0.0	0.0	0.0	6.66	11.31	0.00	11.31	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00
216	1.200	30.00	0.0	0.0	0.0	6.66	11.30	0.00	11.30	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00
217	1.100	30.00	0.0	0.0	0.0	6.67	11.30	0.00	11.30	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00
218	1.000	30.00	0.0	0.0	0.0	6.67	11.29	0.00	11.29	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00
219	0.900	30.00	0.0	0.0	0.0	6.67	11.28	0.00	11.28	0.00	0.80	1.18	2.08	4.06	0.00	0.0	0.0	0. 0.00

220	0.800	30.00	0.0	0.0	0.0	6.68	11.28	0.00	11.28	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
221	0.700	30.00	0.0	0.0	0.0	6.68	11.27	0.00	11.27	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
222	0.600	30.00	0.0	0.0	0.0	6.68	11.27	0.00	11.27	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
223	0.500	30.00	0.0	0.0	0.0	6.69	11.26	0.00	11.26	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
224	0.400	30.00	0.0	0.0	0.0	6.69	11.25	0.00	11.25	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
225	0.300	30.00	0.0	0.0	0.0	6.69	11.25	0.00	11.25	0.00	0.80	1.17	2.09	4.06	0.00	0.0	0.0	0.	0.00	
226	0.200	30.00	0.0	0.0	0.0	6.70	11.24	0.00	11.24	0.00	0.80	1.16	2.09	4.06	0.00	0.0	0.0	0.	0.00	
227	0.100	30.00	0.0	0.0	0.0	6.70	11.24	0.00	11.24	0.00	0.80	1.16	2.10	4.06	0.00	0.0	0.0	0.	0.00	
228	0.000	30.00	0.0	0.0	0.0	6.70	11.23	0.00	11.23	0.00	0.80	1.16	2.10	4.06	0.00	0.0	0.0	0.	0.00	

SPECIAL REPORT: Chamberlin Canal #1

WATER QUALITY CONSTITUENT VALUES

ELEM	ENDING	TEMP	SALN		CM-I	CM-II	DO	BOD1	BOD2	EBOD#1	EBOD#2	ORG-N	NH3-N	NO3-N	TOTN	PHOS	CHL A	MACRO	COLI	NCM
NO.	km	deg C	ppt	*	*	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	**	#/100mL	*		
272	7.400	30.00	0.0	0.0	0.0	5.90	9.37	0.00	9.37	0.00	1.20	0.10	0.07	1.37	0.00	0.0	0.0	0.	0.00	
273	7.300	30.00	0.0	0.0	0.0	5.86	9.46	0.00	9.46	0.00	1.22	0.09	0.08	1.38	0.00	0.0	0.0	0.	0.00	
274	7.200	30.00	0.0	0.0	0.0	5.83	9.55	0.00	9.55	0.00	1.23	0.09	0.08	1.40	0.00	0.0	0.0	0.	0.00	
275	7.100	30.00	0.0	0.0	0.0	5.82	9.63	0.00	9.63	0.00	1.25	0.09	0.08	1.42	0.00	0.0	0.0	0.	0.00	
276	7.000	30.00	0.0	0.0	0.0	5.81	9.71	0.00	9.71	0.00	1.27	0.08	0.08	1.43	0.00	0.0	0.0	0.	0.00	
277	6.900	30.00	0.0	0.0	0.0	5.81	9.78	0.00	9.78	0.00	1.28	0.08	0.08	1.45	0.00	0.0	0.0	0.	0.00	
278	6.800	30.00	0.0	0.0	0.0	5.81	9.85	0.00	9.85	0.00	1.30	0.08	0.09	1.46	0.00	0.0	0.0	0.	0.00	
279	6.700	30.00	0.0	0.0	0.0	5.81	9.92	0.00	9.92	0.00	1.31	0.08	0.09	1.48	0.00	0.0	0.0	0.	0.00	
280	6.600	30.00	0.0	0.0	0.0	5.80	9.98	0.00	9.98	0.00	1.32	0.07	0.09	1.49	0.00	0.0	0.0	0.	0.00	
281	6.500	30.00	0.0	0.0	0.0	5.80	10.04	0.00	10.04	0.00	1.34	0.07	0.09	1.50	0.00	0.0	0.0	0.	0.00	
282	6.400	30.00	0.0	0.0	0.0	5.80	10.10	0.00	10.10	0.00	1.35	0.07	0.09	1.52	0.00	0.0	0.0	0.	0.00	
283	6.300	30.00	0.0	0.0	0.0	5.80	10.16	0.00	10.16	0.00	1.36	0.07	0.09	1.53	0.00	0.0	0.0	0.	0.00	
284	6.200	30.00	0.0	0.0	0.0	5.80	10.22	0.00	10.22	0.00	1.38	0.07	0.10	1.54	0.00	0.0	0.0	0.	0.00	
285	6.100	30.00	0.0	0.0	0.0	5.80	10.27	0.00	10.27	0.00	1.39	0.07	0.10	1.55	0.00	0.0	0.0	0.	0.00	
286	6.000	30.00	0.0	0.0	0.0	5.80	10.32	0.00	10.32	0.00	1.40	0.06	0.10	1.56	0.00	0.0	0.0	0.	0.00	
287	5.900	30.00	0.0	0.0	0.0	5.80	10.37	0.00	10.37	0.00	1.41	0.06	0.10	1.57	0.00	0.0	0.0	0.	0.00	
288	5.800	30.00	0.0	0.0	0.0	5.80	10.42	0.00	10.42	0.00	1.42	0.06	0.10	1.59	0.00	0.0	0.0	0.	0.00	
289	5.700	30.00	0.0	0.0	0.0	5.80	10.46	0.00	10.46	0.00	1.44	0.06	0.10	1.60	0.00	0.0	0.0	0.	0.00	
290	5.600	30.00	0.0	0.0	0.0	5.80	10.50	0.00	10.50	0.00	1.45	0.06	0.10	1.61	0.00	0.0	0.0	0.	0.00	
291	5.500	30.00	0.0	0.0	0.0	5.80	10.55	0.00	10.55	0.00	1.46	0.06	0.10	1.62	0.00	0.0	0.0	0.	0.00	
292	5.400	30.00	0.0	0.0	0.0	5.80	10.59	0.00	10.59	0.00	1.47	0.06	0.10	1.63	0.00	0.0	0.0	0.	0.00	
293	5.300	30.00	0.0	0.0	0.0	5.80	10.63	0.00	10.63	0.00	1.48	0.06	0.10	1.64	0.00	0.0	0.0	0.	0.00	
294	5.200	30.00	0.0	0.0	0.0	5.80	10.66	0.00	10.66	0.00	1.49	0.05	0.11	1.65	0.00	0.0	0.0	0.	0.00	
295	5.100	30.00	0.0	0.0	0.0	5.79	10.70	0.00	10.70	0.00	1.50	0.05	0.11	1.66	0.00	0.0	0.0	0.	0.00	
296	5.000	30.00	0.0	0.0	0.0	5.79	10.73	0.00	10.73	0.00	1.51	0.05	0.11	1.67	0.00	0.0	0.0	0.	0.00	
297	4.900	30.00	0.0	0.0	0.0	5.79	10.77	0.00	10.77	0.00	1.51	0.05	0.11	1.67	0.00	0.0	0.0	0.	0.00	
298	4.800	30.00	0.0	0.0	0.0	5.79	10.80	0.00	10.80	0.00	1.52	0.05	0.11	1.68	0.00	0.0	0.0	0.	0.00	
299	4.700	30.00	0.0	0.0	0.0	5.79	10.83	0.00	10.83	0.00	1.53	0.05	0.11	1.69	0.00	0.0	0.0	0.	0.00	
300	4.600	30.00	0.0	0.0	0.0	5.79	10.86	0.00	10.86	0.00	1.54	0.05	0.11	1.70	0.00	0.0	0.0	0.	0.00	
301	4.500	30.00	0.0	0.0	0.0	5.79	10.89	0.00	10.89	0.00	1.55	0.05	0.11	1.71	0.00	0.0	0.0	0.	0.00	
302	4.400	30.00	0.0	0.0	0.0	5.79	10.92	0.00	10.92	0.00	1.56	0.05	0.11	1.72	0.00	0.0	0.0	0.	0.00	
303	4.300	30.00	0.0	0.0	0.0	5.79	10.95	0.00	10.95	0.00	1.56	0.05	0.11	1.72	0.00	0.0	0.0	0.	0.00	
304	4.200	30.00	0.0	0.0	0.0	5.79	10.97	0.00	10.97	0.00	1.57	0.05	0.11	1.73	0.00	0.0	0.0	0.	0.00	
305	4.100	30.00	0.0	0.0	0.0	5.32	14.62	0.00	14.62	0.00	1.59	1.17	0.37	3.13	0.00	1.6	0.0	0.	0.00	
306	4.000	30.00	0.0	0.0	0.0	5.08	13.75	0.00	13.75	0.00	1.57	1.05	0.47	3.08	0.00	3.1	0.0	0.	0.00	
307	3.900	30.00	0.0	0.0	0.0	5.01	12.94	0.00	12.94	0.00	1.54	0.95	0.55	3.03	0.00	4.7	0.0	0.	0.00	
308	3.800	30.00	0.0	0.0	0.0	5.03	12.19	0.00	12.19	0.00	1.51	0.86	0.61	2.98	0.00	6.3	0.0	0.	0.00	

309	3.700	30.00	0.0	0.0	0.0	5.09	11.50	0.00	11.50	0.00	1.49	0.78	0.67	2.93	0.00	7.9	0.0	0.	0.00
310	3.600	30.00	0.0	0.0	0.0	5.19	10.86	0.00	10.86	0.00	1.46	0.70	0.72	2.88	0.00	9.4	0.0	0.	0.00
311	3.500	30.00	0.0	0.0	0.0	5.29	10.27	0.00	10.27	0.00	1.44	0.64	0.75	2.83	0.00	11.0	0.0	0.	0.00
312	3.400	30.00	0.0	0.0	0.0	5.40	9.72	0.00	9.72	0.00	1.42	0.58	0.78	2.78	0.00	12.6	0.0	0.	0.00
313	3.300	30.00	0.0	0.0	0.0	5.51	9.21	0.00	9.21	0.00	1.40	0.53	0.81	2.73	0.00	14.1	0.0	0.	0.00
314	3.200	30.00	0.0	0.0	0.0	5.61	8.73	0.00	8.73	0.00	1.38	0.48	0.83	2.69	0.00	15.7	0.0	0.	0.00
315	3.100	30.00	0.0	0.0	0.0	5.72	8.29	0.00	8.29	0.00	1.36	0.44	0.84	2.64	0.00	17.3	0.0	0.	0.00
316	3.000	30.00	0.0	0.0	0.0	5.82	7.87	0.00	7.87	0.00	1.34	0.40	0.85	2.59	0.00	18.9	0.0	0.	0.00
317	2.900	30.00	0.0	0.0	0.0	5.91	7.49	0.00	7.49	0.00	1.32	0.37	0.85	2.54	0.00	20.4	0.0	0.	0.00
318	2.800	30.00	0.0	0.0	0.0	6.00	7.13	0.00	7.13	0.00	1.30	0.34	0.85	2.49	0.00	22.0	0.0	0.	0.00
319	2.700	30.00	0.0	0.0	0.0	6.09	6.79	0.00	6.79	0.00	1.28	0.31	0.85	2.44	0.00	23.6	0.0	0.	0.00
320	2.600	30.00	0.0	0.0	0.0	6.18	6.47	0.00	6.47	0.00	1.26	0.29	0.84	2.39	0.00	25.1	0.0	0.	0.00
321	2.500	30.00	0.0	0.0	0.0	6.26	6.18	0.00	6.18	0.00	1.25	0.26	0.83	2.34	0.00	26.7	0.0	0.	0.00
322	2.400	30.00	0.0	0.0	0.0	6.34	5.90	0.00	5.90	0.00	1.23	0.24	0.82	2.29	0.00	28.3	0.0	0.	0.00
323	2.300	30.00	0.0	0.0	0.0	6.41	5.64	0.00	5.64	0.00	1.21	0.23	0.81	2.25	0.00	29.9	0.0	0.	0.00
324	2.200	30.00	0.0	0.0	0.0	6.49	5.40	0.00	5.40	0.00	1.20	0.21	0.79	2.20	0.00	31.4	0.0	0.	0.00
325	2.100	30.00	0.0	0.0	0.0	6.56	5.17	0.00	5.17	0.00	1.18	0.19	0.77	2.15	0.00	33.0	0.0	0.	0.00
326	2.000	30.00	0.0	0.0	0.0	6.63	4.95	0.00	4.95	0.00	1.17	0.18	0.75	2.10	0.00	34.6	0.0	0.	0.00
327	1.900	30.00	0.0	0.0	0.0	6.70	4.75	0.00	4.75	0.00	1.15	0.17	0.73	2.05	0.00	36.1	0.0	0.	0.00
328	1.800	30.00	0.0	0.0	0.0	6.76	4.56	0.00	4.56	0.00	1.14	0.16	0.71	2.01	0.00	37.7	0.0	0.	0.00
329	1.700	30.00	0.0	0.0	0.0	6.83	4.38	0.00	4.38	0.00	1.13	0.15	0.69	1.96	0.00	39.3	0.0	0.	0.00
330	1.600	30.00	0.0	0.0	0.0	6.89	4.21	0.00	4.21	0.00	1.11	0.14	0.66	1.91	0.00	40.9	0.0	0.	0.00
331	1.500	30.00	0.0	0.0	0.0	6.95	4.05	0.00	4.05	0.00	1.10	0.13	0.63	1.86	0.00	42.4	0.0	0.	0.00
332	1.400	30.00	0.0	0.0	0.0	7.01	3.90	0.00	3.90	0.00	1.09	0.12	0.61	1.81	0.00	44.0	0.0	0.	0.00
333	1.300	30.00	0.0	0.0	0.0	7.07	3.76	0.00	3.76	0.00	1.08	0.11	0.58	1.77	0.00	45.6	0.0	0.	0.00
334	1.200	30.00	0.0	0.0	0.0	7.13	3.62	0.00	3.62	0.00	1.06	0.11	0.55	1.72	0.00	47.1	0.0	0.	0.00
335	1.100	30.00	0.0	0.0	0.0	7.18	3.49	0.00	3.49	0.00	1.05	0.10	0.52	1.67	0.00	48.7	0.0	0.	0.00
336	1.000	30.00	0.0	0.0	0.0	7.24	3.37	0.00	3.37	0.00	1.04	0.09	0.49	1.62	0.00	50.3	0.0	0.	0.00
337	0.900	30.00	0.0	0.0	0.0	7.30	3.26	0.00	3.26	0.00	1.03	0.09	0.46	1.58	0.00	51.9	0.0	0.	0.00
338	0.800	30.00	0.0	0.0	0.0	7.35	3.15	0.00	3.15	0.00	1.02	0.08	0.43	1.53	0.00	53.4	0.0	0.	0.00
339	0.700	30.00	0.0	0.0	0.0	7.40	3.04	0.00	3.04	0.00	1.01	0.08	0.39	1.48	0.00	55.0	0.0	0.	0.00
340	0.600	30.00	0.0	0.0	0.0	7.46	2.95	0.00	2.95	0.00	1.00	0.08	0.36	1.43	0.00	56.6	0.0	0.	0.00
341	0.500	30.00	0.0	0.0	0.0	7.51	2.85	0.00	2.85	0.00	0.99	0.07	0.33	1.39	0.00	58.1	0.0	0.	0.00
342	0.400	30.00	0.0	0.0	0.0	7.56	2.77	0.00	2.77	0.00	0.98	0.07	0.29	1.34	0.00	59.7	0.0	0.	0.00
343	0.300	30.00	0.0	0.0	0.0	7.61	2.68	0.00	2.68	0.00	0.97	0.07	0.26	1.29	0.00	61.3	0.0	0.	0.00
344	0.200	30.00	0.0	0.0	0.0	7.66	2.60	0.00	2.60	0.00	0.96	0.06	0.22	1.24	0.00	62.9	0.0	0.	0.00
345	0.100	30.00	0.0	0.0	0.0	7.71	2.53	0.00	2.53	0.00	0.95	0.06	0.19	1.20	0.00	64.4	0.0	0.	0.00
346	0.000	30.00	0.0	0.0	0.0	7.76	2.45	0.00	2.45	0.00	0.94	0.06	0.15	1.15	0.00	66.0	0.0	0.	0.00

SPECIAL REPORT: Intracoastal Waterwa
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 *
420	13.300	30.00	0.0	0.0	0.0	7.38	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
421	13.200	30.00	0.0	0.0	0.0	7.37	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
422	13.100	30.00	0.0	0.0	0.0	7.35	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
423	13.000	30.00	0.0	0.0	0.0	7.34	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
424	12.900	30.00	0.0	0.0	0.0	7.33	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
425	12.800	30.00	0.0	0.0	0.0	7.31	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
426	12.700	30.00	0.0	0.0	0.0	7.30	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00

427	12.600	30.00	0.0	0.0	0.0	7.28	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
428	12.500	30.00	0.0	0.0	0.0	7.27	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
429	12.400	30.00	0.0	0.0	0.0	7.25	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
430	12.300	30.00	0.0	0.0	0.0	7.24	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
431	12.200	30.00	0.0	0.0	0.0	7.23	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
432	12.100	30.00	0.0	0.0	0.0	7.21	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
433	12.000	30.00	0.0	0.0	0.0	7.20	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
434	11.900	30.00	0.0	0.0	0.0	7.19	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
435	11.800	30.00	0.0	0.0	0.0	7.17	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
436	11.700	30.00	0.0	0.0	0.0	7.16	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
437	11.600	30.00	0.0	0.0	0.0	7.15	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
438	11.500	30.00	0.0	0.0	0.0	7.14	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
439	11.400	30.00	0.0	0.0	0.0	7.12	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
440	11.300	30.00	0.0	0.0	0.0	7.11	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
441	11.200	30.00	0.0	0.0	0.0	7.10	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
442	11.100	30.00	0.0	0.0	0.0	7.09	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
443	11.000	30.00	0.0	0.0	0.0	7.08	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
444	10.900	30.00	0.0	0.0	0.0	7.06	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
445	10.800	30.00	0.0	0.0	0.0	7.05	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
446	10.700	30.00	0.0	0.0	0.0	7.04	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
447	10.600	30.00	0.0	0.0	0.0	7.03	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
448	10.500	30.00	0.0	0.0	0.0	7.02	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.0	0.0	0.	0.00
449	10.400	30.00	0.0	0.0	0.0	7.01	0.53	0.00	0.53	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
450	10.300	30.00	0.0	0.0	0.0	7.00	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
451	10.200	30.00	0.0	0.0	0.0	6.99	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
452	10.100	30.00	0.0	0.0	0.0	6.97	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
453	10.000	30.00	0.0	0.0	0.0	6.96	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
454	9.900	30.00	0.0	0.0	0.0	6.95	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
455	9.800	30.00	0.0	0.0	0.0	6.94	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
456	9.700	30.00	0.0	0.0	0.0	6.93	0.53	0.00	0.53	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
457	9.600	30.00	0.0	0.0	0.0	6.92	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
458	9.500	30.00	0.0	0.0	0.0	6.91	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
459	9.400	30.00	0.0	0.0	0.0	6.90	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
460	9.300	30.00	0.0	0.0	0.0	6.89	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
461	9.200	30.00	0.0	0.0	0.0	6.88	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
462	9.100	30.00	0.0	0.0	0.0	6.87	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.0	0.0	0.	0.00
463	9.000	30.00	0.0	0.0	0.0	6.86	0.58	0.00	0.58	0.00	0.29	0.04	1.75	2.07	0.00	0.0	0.0	0.	0.00
464	8.900	30.00	0.0	0.0	0.0	6.85	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.0	0.0	0.	0.00
465	8.800	30.00	0.0	0.0	0.0	6.84	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.0	0.0	0.	0.00
466	8.700	30.00	0.0	0.0	0.0	6.83	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.0	0.0	0.	0.00
467	8.600	30.00	0.0	0.0	0.0	6.82	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.0	0.0	0.	0.00
468	8.500	30.00	0.0	0.0	0.0	6.81	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.07	0.00	0.0	0.0	0.	0.00
469	8.400	30.00	0.0	0.0	0.0	6.80	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
470	8.300	30.00	0.0	0.0	0.0	6.79	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
471	8.200	30.00	0.0	0.0	0.0	6.78	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
472	8.100	30.00	0.0	0.0	0.0	6.77	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
473	8.000	30.00	0.0	0.0	0.0	6.76	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
474	7.900	30.00	0.0	0.0	0.0	6.75	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
475	7.800	30.00	0.0	0.0	0.0	6.74	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
476	7.700	30.00	0.0	0.0	0.0	6.73	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00

477	7.600	30.00	0.0	0.0	0.0	6.72	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
478	7.500	30.00	0.0	0.0	0.0	6.71	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
479	7.400	30.00	0.0	0.0	0.0	6.71	0.56	0.00	0.56	0.00	0.30	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
480	7.300	30.00	0.0	0.0	0.0	6.70	0.56	0.00	0.56	0.00	0.30	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
481	7.200	30.00	0.0	0.0	0.0	6.69	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
482	7.100	30.00	0.0	0.0	0.0	6.68	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
483	7.000	30.00	0.0	0.0	0.0	6.67	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.0	0.0	0.	0.00
484	6.900	30.00	0.0	0.0	0.0	6.66	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
485	6.800	30.00	0.0	0.0	0.0	6.66	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
486	6.700	30.00	0.0	0.0	0.0	6.65	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
487	6.600	30.00	0.0	0.0	0.0	6.64	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
488	6.500	30.00	0.0	0.0	0.0	6.63	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
489	6.400	30.00	0.0	0.0	0.0	6.63	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
490	6.300	30.00	0.0	0.0	0.0	6.62	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
491	6.200	30.00	0.0	0.0	0.0	6.61	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
492	6.100	30.00	0.0	0.0	0.0	6.60	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
493	6.000	30.00	0.0	0.0	0.0	6.60	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.0	0.0	0.	0.00
494	5.900	30.00	0.0	0.0	0.0	6.59	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
495	5.800	30.00	0.0	0.0	0.0	6.58	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
496	5.700	30.00	0.0	0.0	0.0	6.58	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
497	5.600	30.00	0.0	0.0	0.0	6.57	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
498	5.500	30.00	0.0	0.0	0.0	6.56	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
499	5.400	30.00	0.0	0.0	0.0	6.55	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
500	5.300	30.00	0.0	0.0	0.0	6.55	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
501	5.200	30.00	0.0	0.0	0.0	6.54	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
502	5.100	30.00	0.0	0.0	0.0	6.54	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
503	5.000	30.00	0.0	0.0	0.0	6.53	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
504	4.900	30.00	0.0	0.0	0.0	6.52	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
505	4.800	30.00	0.0	0.0	0.0	6.52	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
506	4.700	30.00	0.0	0.0	0.0	6.51	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
507	4.600	30.00	0.0	0.0	0.0	6.50	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.0	0.0	0.	0.00
508	4.500	30.00	0.0	0.0	0.0	6.50	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
509	4.400	30.00	0.0	0.0	0.0	6.49	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
510	4.300	30.00	0.0	0.0	0.0	6.49	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
511	4.200	30.00	0.0	0.0	0.0	6.48	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
512	4.100	30.00	0.0	0.0	0.0	6.48	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
513	4.000	30.00	0.0	0.0	0.0	6.47	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
514	3.900	30.00	0.0	0.0	0.0	6.46	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
515	3.800	30.00	0.0	0.0	0.0	6.46	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
516	3.700	30.00	0.0	0.0	0.0	6.45	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
517	3.600	30.00	0.0	0.0	0.0	6.45	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.0	0.0	0.	0.00
518	3.500	30.00	0.0	0.0	0.0	6.44	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.09	0.00	0.0	0.0	0.	0.00
519	3.400	30.00	0.0	0.0	0.0	6.44	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
520	3.300	30.00	0.0	0.0	0.0	6.43	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
521	3.200	30.00	0.0	0.0	0.0	6.43	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
522	3.100	30.00	0.0	0.0	0.0	6.42	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
523	3.000	30.00	0.0	0.0	0.0	6.42	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
524	2.900	30.00	0.0	0.0	0.0	6.41	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
525	2.800	30.00	0.0	0.0	0.0	6.41	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
526	2.700	30.00	0.0	0.0	0.0	6.40	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00

527	2.600	30.00	0.0	0.0	0.0	6.40	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
528	2.500	30.00	0.0	0.0	0.0	6.39	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
529	2.400	30.00	0.0	0.0	0.0	6.39	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
530	2.300	30.00	0.0	0.0	0.0	6.38	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
531	2.200	30.00	0.0	0.0	0.0	6.38	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
532	2.100	30.00	0.0	0.0	0.0	6.38	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
533	2.000	30.00	0.0	0.0	0.0	6.37	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
534	1.900	30.00	0.0	0.0	0.0	6.37	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.0	0.0	0.	0.00
535	1.800	30.00	0.0	0.0	0.0	6.36	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
536	1.700	30.00	0.0	0.0	0.0	6.36	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
537	1.600	30.00	0.0	0.0	0.0	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
538	1.500	30.00	0.0	0.0	0.0	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
539	1.400	30.00	0.0	0.0	0.0	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
540	1.300	30.00	0.0	0.0	0.0	6.34	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
541	1.200	30.00	0.0	0.0	0.0	6.34	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
542	1.100	30.00	0.0	0.0	0.0	6.33	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
543	1.000	30.00	0.0	0.0	0.0	6.33	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.10	0.00	0.0	0.0	0.	0.00
544	0.900	30.00	0.0	0.0	0.0	6.33	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
545	0.800	30.00	0.0	0.0	0.0	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
546	0.700	30.00	0.0	0.0	0.0	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
547	0.600	30.00	0.0	0.0	0.0	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
548	0.500	30.00	0.0	0.0	0.0	6.31	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
549	0.400	30.00	0.0	0.0	0.0	6.31	0.48	0.00	0.48	0.00	0.31	0.02	1.78	2.11	0.00	0.0	0.0	0.	0.00
550	0.300	30.00	0.0	0.0	0.0	6.30	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.0	0.0	0.	0.00
551	0.200	30.00	0.0	0.0	0.0	6.29	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.0	0.0	0.	0.00
552	0.100	30.00	0.0	0.0	0.0	6.29	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.0	0.0	0.	0.00
553	0.000	30.00	0.0	0.0	0.0	6.28	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Plaquemine

WATER QUALITY CONSTITUENT VALUES

ELEM	ENDING	TEMP	SALN		CM-I	CM-II	DO	BOD1	BOD2	EBOD#1	EBOD#2	ORG-N	NH3-N	NO3-N	TOTN	PHOS	CHL A	MACRO	COLI	NCM
NO.	km	deg C	ppt	*	*	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	**	#/100mL	*		
710	11.800	30.00	0.0	0.0	0.0	5.23	4.93	0.00	4.93	0.00	1.60	0.00	1.59	3.19	0.00	57.5	0.0	0.	0.00	
711	11.700	30.00	0.0	0.0	0.0	5.45	4.94	0.00	4.94	0.00	1.60	0.00	1.58	3.18	0.00	57.0	0.0	0.	0.00	
712	11.600	30.00	0.0	0.0	0.0	5.66	4.94	0.00	4.94	0.00	1.59	0.01	1.57	3.17	0.00	56.5	0.0	0.	0.00	
713	11.500	30.00	0.0	0.0	0.0	5.86	4.94	0.00	4.94	0.00	1.59	0.01	1.56	3.16	0.00	56.1	0.0	0.	0.00	
714	11.400	30.00	0.0	0.0	0.0	6.05	4.95	0.00	4.95	0.00	1.59	0.01	1.55	3.14	0.00	55.6	0.0	0.	0.00	
715	11.300	30.00	0.0	0.0	0.0	6.23	4.95	0.00	4.95	0.00	1.59	0.01	1.53	3.13	0.00	55.1	0.0	0.	0.00	
716	11.200	30.00	0.0	0.0	0.0	6.40	4.95	0.00	4.95	0.00	1.59	0.01	1.52	3.12	0.00	54.6	0.0	0.	0.00	
717	11.100	30.00	0.0	0.0	0.0	6.56	4.95	0.00	4.95	0.00	1.58	0.01	1.51	3.11	0.00	54.1	0.0	0.	0.00	
718	11.000	30.00	0.0	0.0	0.0	6.72	4.96	0.00	4.96	0.00	1.58	0.02	1.50	3.10	0.00	53.6	0.0	0.	0.00	
719	10.900	30.00	0.0	0.0	0.0	6.87	4.96	0.00	4.96	0.00	1.58	0.02	1.49	3.09	0.00	53.1	0.0	0.	0.00	
720	10.800	30.00	0.0	0.0	0.0	7.01	4.96	0.00	4.96	0.00	1.58	0.02	1.48	3.08	0.00	52.6	0.0	0.	0.00	
721	10.700	30.00	0.0	0.0	0.0	7.14	4.97	0.00	4.97	0.00	1.58	0.02	1.47	3.07	0.00	52.2	0.0	0.	0.00	
722	10.600	30.00	0.0	0.0	0.0	7.27	4.97	0.00	4.97	0.00	1.58	0.02	1.46	3.06	0.00	51.7	0.0	0.	0.00	
723	10.500	30.00	0.0	0.0	0.0	7.39	4.97	0.00	4.97	0.00	1.57	0.02	1.45	3.05	0.00	51.2	0.0	0.	0.00	
724	10.400	30.00	0.0	0.0	0.0	7.50	4.97	0.00	4.97	0.00	1.57	0.02	1.45	3.04	0.00	50.7	0.0	0.	0.00	
725	10.300	30.00	0.0	0.0	0.0	7.61	4.98	0.00	4.98	0.00	1.57	0.03	1.44	3.03	0.00	50.2	0.0	0.	0.00	
726	10.200	30.00	0.0	0.0	0.0	7.71	4.98	0.00	4.98	0.00	1.57	0.03	1.43	3.02	0.00	49.7	0.0	0.	0.00	
727	10.100	30.00	0.0	0.0	0.0	7.81	4.98	0.00	4.98	0.00	1.57	0.03	1.42	3.01	0.00	49.2	0.0	0.	0.00	
728	10.000	30.00	0.0	0.0	0.0	7.90	4.98	0.00	4.98	0.00	1.56	0.03	1.41	3.00	0.00	48.7	0.0	0.	0.00	

729	9.900	30.00	0.0	0.0	0.0	7.98	4.99	0.00	4.99	0.00	1.56	0.03	1.40	2.99	0.00	48.3	0.0	0.	0.00
730	9.800	30.00	0.0	0.0	0.0	8.06	4.99	0.00	4.99	0.00	1.56	0.03	1.39	2.98	0.00	47.8	0.0	0.	0.00
731	9.700	30.00	0.0	0.0	0.0	8.14	4.99	0.00	4.99	0.00	1.56	0.03	1.38	2.97	0.00	47.3	0.0	0.	0.00
732	9.600	30.00	0.0	0.0	0.0	8.21	5.00	0.00	5.00	0.00	1.56	0.03	1.37	2.96	0.00	46.8	0.0	0.	0.00
733	9.500	30.00	0.0	0.0	0.0	8.27	5.00	0.00	5.00	0.00	1.55	0.04	1.37	2.96	0.00	46.3	0.0	0.	0.00
734	9.400	30.00	0.0	0.0	0.0	8.33	5.00	0.00	5.00	0.00	1.55	0.04	1.36	2.95	0.00	45.8	0.0	0.	0.00
735	9.300	30.00	0.0	0.0	0.0	8.39	5.00	0.00	5.00	0.00	1.55	0.04	1.35	2.94	0.00	45.3	0.0	0.	0.00
736	9.200	30.00	0.0	0.0	0.0	8.44	5.01	0.00	5.01	0.00	1.55	0.04	1.34	2.93	0.00	44.8	0.0	0.	0.00
737	9.100	30.00	0.0	0.0	0.0	8.49	5.01	0.00	5.01	0.00	1.55	0.04	1.33	2.92	0.00	44.4	0.0	0.	0.00
738	9.000	30.00	0.0	0.0	0.0	8.54	5.01	0.00	5.01	0.00	1.54	0.04	1.33	2.91	0.00	43.9	0.0	0.	0.00
739	8.900	30.00	0.0	0.0	0.0	8.17	11.13	0.00	11.13	0.00	1.88	0.42	1.35	3.64	0.00	43.4	0.0	0.	0.00
740	8.800	30.00	0.0	0.0	0.0	8.14	11.09	0.00	11.09	0.00	1.87	0.41	1.35	3.64	0.00	42.9	0.0	0.	0.00
741	8.700	30.00	0.0	0.0	0.0	8.12	11.04	0.00	11.04	0.00	1.87	0.40	1.35	3.63	0.00	42.4	0.0	0.	0.00
742	8.600	30.00	0.0	0.0	0.0	8.09	11.00	0.00	11.00	0.00	1.87	0.40	1.35	3.62	0.00	41.9	0.0	0.	0.00
743	8.500	30.00	0.0	0.0	0.0	8.06	10.95	0.00	10.95	0.00	1.87	0.39	1.35	3.62	0.00	41.4	0.0	0.	0.00
744	8.400	30.00	0.0	0.0	0.0	8.03	10.91	0.00	10.91	0.00	1.87	0.39	1.36	3.61	0.00	40.9	0.0	0.	0.00
745	8.300	30.00	0.0	0.0	0.0	8.01	10.87	0.00	10.87	0.00	1.86	0.38	1.36	3.60	0.00	40.5	0.0	0.	0.00
746	8.200	30.00	0.0	0.0	0.0	7.98	10.82	0.00	10.82	0.00	1.86	0.38	1.36	3.59	0.00	40.0	0.0	0.	0.00
747	8.100	30.00	0.0	0.0	0.0	7.95	10.78	0.00	10.78	0.00	1.86	0.37	1.36	3.59	0.00	39.5	0.0	0.	0.00
748	8.000	30.00	0.0	0.0	0.0	7.92	10.74	0.00	10.74	0.00	1.86	0.37	1.36	3.58	0.00	39.0	0.0	0.	0.00
749	7.900	30.00	0.0	0.0	0.0	7.90	10.70	0.00	10.70	0.00	1.86	0.36	1.36	3.57	0.00	38.5	0.0	0.	0.00
750	7.800	30.00	0.0	0.0	0.0	7.87	10.65	0.00	10.65	0.00	1.85	0.36	1.36	3.57	0.00	38.0	0.0	0.	0.00
751	7.700	30.00	0.0	0.0	0.0	7.84	10.61	0.00	10.61	0.00	1.85	0.35	1.36	3.56	0.00	37.5	0.0	0.	0.00
752	7.600	30.00	0.0	0.0	0.0	7.81	10.57	0.00	10.57	0.00	1.85	0.35	1.36	3.55	0.00	37.0	0.0	0.	0.00
753	7.500	30.00	0.0	0.0	0.0	7.79	10.53	0.00	10.53	0.00	1.85	0.34	1.36	3.55	0.00	36.6	0.0	0.	0.00
754	7.400	30.00	0.0	0.0	0.0	7.76	10.49	0.00	10.49	0.00	1.85	0.34	1.36	3.54	0.00	36.1	0.0	0.	0.00
755	7.300	30.00	0.0	0.0	0.0	7.73	10.45	0.00	10.45	0.00	1.84	0.33	1.36	3.53	0.00	35.6	0.0	0.	0.00
756	7.200	30.00	0.0	0.0	0.0	7.70	10.41	0.00	10.41	0.00	1.84	0.33	1.36	3.53	0.00	35.1	0.0	0.	0.00
757	7.100	30.00	0.0	0.0	0.0	7.67	10.37	0.00	10.37	0.00	1.84	0.32	1.36	3.52	0.00	34.6	0.0	0.	0.00
758	7.000	30.00	0.0	0.0	0.0	7.65	10.33	0.00	10.33	0.00	1.84	0.32	1.36	3.52	0.00	34.1	0.0	0.	0.00
759	6.900	30.00	0.0	0.0	0.0	7.62	10.29	0.00	10.29	0.00	1.84	0.31	1.36	3.51	0.00	33.6	0.0	0.	0.00
760	6.800	30.00	0.0	0.0	0.0	7.59	10.25	0.00	10.25	0.00	1.83	0.31	1.36	3.50	0.00	33.1	0.0	0.	0.00
761	6.700	30.00	0.0	0.0	0.0	7.56	10.22	0.00	10.22	0.00	1.83	0.31	1.36	3.50	0.00	32.7	0.0	0.	0.00
762	6.600	30.00	0.0	0.0	0.0	7.53	10.18	0.00	10.18	0.00	1.83	0.30	1.36	3.49	0.00	32.2	0.0	0.	0.00
763	6.500	30.00	0.0	0.0	0.0	7.50	10.14	0.00	10.14	0.00	1.83	0.30	1.36	3.49	0.00	31.7	0.0	0.	0.00
764	6.400	30.00	0.0	0.0	0.0	7.48	10.10	0.00	10.10	0.00	1.83	0.30	1.36	3.48	0.00	31.2	0.0	0.	0.00
765	6.300	30.00	0.0	0.0	0.0	7.45	10.06	0.00	10.06	0.00	1.82	0.29	1.36	3.48	0.00	30.7	0.0	0.	0.00
766	6.200	30.00	0.0	0.0	0.0	7.42	10.03	0.00	10.03	0.00	1.82	0.29	1.36	3.47	0.00	30.2	0.0	0.	0.00
767	6.100	30.00	0.0	0.0	0.0	7.39	9.99	0.00	9.99	0.00	1.82	0.28	1.36	3.46	0.00	29.7	0.0	0.	0.00
768	6.000	30.00	0.0	0.0	0.0	7.36	9.95	0.00	9.95	0.00	1.82	0.28	1.36	3.46	0.00	29.2	0.0	0.	0.00
769	5.900	30.00	0.0	0.0	0.0	7.33	9.92	0.00	9.92	0.00	1.82	0.28	1.36	3.45	0.00	28.8	0.0	0.	0.00
770	5.800	30.00	0.0	0.0	0.0	7.30	9.88	0.00	9.88	0.00	1.81	0.27	1.36	3.45	0.00	28.3	0.0	0.	0.00
771	5.700	30.00	0.0	0.0	0.0	7.27	9.85	0.00	9.85	0.00	1.81	0.27	1.36	3.44	0.00	27.8	0.0	0.	0.00
772	5.600	30.00	0.0	0.0	0.0	7.24	9.81	0.00	9.81	0.00	1.81	0.27	1.36	3.44	0.00	27.3	0.0	0.	0.00
773	5.500	30.00	0.0	0.0	0.0	7.21	9.78	0.00	9.78	0.00	1.81	0.26	1.36	3.43	0.00	26.8	0.0	0.	0.00
774	5.400	30.00	0.0	0.0	0.0	7.18	9.74	0.00	9.74	0.00	1.81	0.26	1.36	3.43	0.00	26.3	0.0	0.	0.00
775	5.300	30.00	0.0	0.0	0.0	7.15	9.71	0.00	9.71	0.00	1.80	0.26	1.36	3.43	0.00	25.8	0.0	0.	0.00
776	5.200	30.00	0.0	0.0	0.0	7.12	9.67	0.00	9.67	0.00	1.80	0.26	1.36	3.42	0.00	25.3	0.0	0.	0.00
777	5.100	30.00	0.0	0.0	0.0	7.09	9.64	0.00	9.64	0.00	1.80	0.25	1.36	3.42	0.00	24.9	0.0	0.	0.00
778	5.000	30.00	0.0	0.0	0.0	7.06	9.61	0.00	9.61	0.00	1.80	0.25	1.37	3.41	0.00	24.4	0.0	0.	0.00

779	4.900	30.00	0.0	0.0	0.0	7.02	9.63	0.00	9.63	0.00	1.80	0.26	1.37	3.42	0.00	23.9	0.0	0.	0.00
780	4.800	30.00	0.0	0.0	0.0	6.99	9.59	0.00	9.59	0.00	1.79	0.26	1.37	3.42	0.00	23.4	0.0	0.	0.00
781	4.700	30.00	0.0	0.0	0.0	6.96	9.56	0.00	9.56	0.00	1.79	0.25	1.37	3.41	0.00	22.9	0.0	0.	0.00
782	4.600	30.00	0.0	0.0	0.0	6.92	9.62	0.00	9.62	0.00	1.79	0.27	1.37	3.43	0.00	22.4	0.0	0.	0.00
783	4.500	30.00	0.0	0.0	0.0	6.89	9.59	0.00	9.59	0.00	1.79	0.26	1.37	3.43	0.00	21.9	0.0	0.	0.00
784	4.400	30.00	0.0	0.0	0.0	6.85	9.55	0.00	9.55	0.00	1.79	0.26	1.37	3.42	0.00	21.4	0.0	0.	0.00
785	4.300	30.00	0.0	0.0	0.0	6.82	9.55	0.00	9.55	0.00	1.79	0.26	1.37	3.42	0.00	21.0	0.0	0.	0.00
786	4.200	30.00	0.0	0.0	0.0	6.78	9.52	0.00	9.52	0.00	1.79	0.26	1.38	3.42	0.00	20.5	0.0	0.	0.00
787	4.100	30.00	0.0	0.0	0.0	6.75	9.48	0.00	9.48	0.00	1.79	0.25	1.38	3.42	0.00	20.0	0.0	0.	0.00
788	4.000	30.00	0.0	0.0	0.0	6.71	9.45	0.00	9.45	0.00	1.78	0.25	1.38	3.41	0.00	19.5	0.0	0.	0.00
789	3.900	30.00	0.0	0.0	0.0	6.68	9.42	0.00	9.42	0.00	1.78	0.25	1.38	3.41	0.00	19.0	0.0	0.	0.00
790	3.800	30.00	0.0	0.0	0.0	6.64	9.39	0.00	9.39	0.00	1.78	0.25	1.38	3.41	0.00	18.5	0.0	0.	0.00
791	3.700	30.00	0.0	0.0	0.0	6.61	9.36	0.00	9.36	0.00	1.78	0.24	1.38	3.40	0.00	18.0	0.0	0.	0.00
792	3.600	30.00	0.0	0.0	0.0	6.57	9.33	0.00	9.33	0.00	1.78	0.24	1.38	3.40	0.00	17.5	0.0	0.	0.00
793	3.500	30.00	0.0	0.0	0.0	6.54	9.29	0.00	9.29	0.00	1.77	0.24	1.39	3.40	0.00	17.1	0.0	0.	0.00
794	3.400	30.00	0.0	0.0	0.0	6.50	9.26	0.00	9.26	0.00	1.77	0.24	1.39	3.40	0.00	16.6	0.0	0.	0.00
795	3.300	30.00	0.0	0.0	0.0	6.47	9.23	0.00	9.23	0.00	1.77	0.23	1.39	3.39	0.00	16.1	0.0	0.	0.00
796	3.200	30.00	0.0	0.0	0.0	6.43	9.21	0.00	9.21	0.00	1.77	0.23	1.39	3.39	0.00	15.6	0.0	0.	0.00
797	3.100	30.00	0.0	0.0	0.0	6.40	9.18	0.00	9.18	0.00	1.77	0.23	1.39	3.39	0.00	15.1	0.0	0.	0.00
798	3.000	30.00	0.0	0.0	0.0	6.36	9.15	0.00	9.15	0.00	1.77	0.23	1.39	3.39	0.00	14.6	0.0	0.	0.00
799	2.900	30.00	0.0	0.0	0.0	6.33	9.12	0.00	9.12	0.00	1.76	0.23	1.40	3.38	0.00	14.1	0.0	0.	0.00
800	2.800	30.00	0.0	0.0	0.0	6.29	9.09	0.00	9.09	0.00	1.76	0.22	1.40	3.38	0.00	13.6	0.0	0.	0.00
801	2.700	30.00	0.0	0.0	0.0	6.26	9.06	0.00	9.06	0.00	1.76	0.22	1.40	3.38	0.00	13.2	0.0	0.	0.00
802	2.600	30.00	0.0	0.0	0.0	6.22	9.03	0.00	9.03	0.00	1.76	0.22	1.40	3.38	0.00	12.7	0.0	0.	0.00
803	2.500	30.00	0.0	0.0	0.0	6.19	9.01	0.00	9.01	0.00	1.76	0.22	1.40	3.38	0.00	12.2	0.0	0.	0.00
804	2.400	30.00	0.0	0.0	0.0	6.15	8.98	0.00	8.98	0.00	1.75	0.21	1.40	3.37	0.00	11.7	0.0	0.	0.00
805	2.300	30.00	0.0	0.0	0.0	6.11	8.95	0.00	8.95	0.00	1.75	0.21	1.41	3.37	0.00	11.2	0.0	0.	0.00
806	2.200	30.00	0.0	0.0	0.0	6.08	8.92	0.00	8.92	0.00	1.75	0.21	1.41	3.37	0.00	10.7	0.0	0.	0.00
807	2.100	30.00	0.0	0.0	0.0	6.04	8.89	0.00	8.89	0.00	1.75	0.21	1.41	3.37	0.00	10.2	0.0	0.	0.00
808	2.000	30.00	0.0	0.0	0.0	6.01	8.87	0.00	8.87	0.00	1.75	0.21	1.41	3.37	0.00	9.7	0.0	0.	0.00
809	1.900	30.00	0.0	0.0	0.0	5.97	8.84	0.00	8.84	0.00	1.74	0.20	1.42	3.36	0.00	9.3	0.0	0.	0.00
810	1.800	30.00	0.0	0.0	0.0	5.93	8.81	0.00	8.81	0.00	1.74	0.20	1.42	3.36	0.00	8.8	0.0	0.	0.00
811	1.700	30.00	0.0	0.0	0.0	5.90	8.78	0.00	8.78	0.00	1.74	0.20	1.42	3.36	0.00	8.3	0.0	0.	0.00
812	1.600	30.00	0.0	0.0	0.0	5.86	8.76	0.00	8.76	0.00	1.74	0.20	1.42	3.36	0.00	7.8	0.0	0.	0.00
813	1.500	30.00	0.0	0.0	0.0	5.82	8.73	0.00	8.73	0.00	1.74	0.20	1.42	3.36	0.00	7.3	0.0	0.	0.00
814	1.400	30.00	0.0	0.0	0.0	5.79	8.70	0.00	8.70	0.00	1.74	0.19	1.43	3.36	0.00	6.8	0.0	0.	0.00
815	1.300	30.00	0.0	0.0	0.0	5.75	8.68	0.00	8.68	0.00	1.73	0.19	1.43	3.36	0.00	6.3	0.0	0.	0.00
816	1.200	30.00	0.0	0.0	0.0	5.71	8.65	0.00	8.65	0.00	1.73	0.19	1.43	3.35	0.00	5.8	0.0	0.	0.00
817	1.100	30.00	0.0	0.0	0.0	5.68	8.63	0.00	8.63	0.00	1.73	0.19	1.43	3.35	0.00	5.4	0.0	0.	0.00
818	1.000	30.00	0.0	0.0	0.0	5.64	8.60	0.00	8.60	0.00	1.73	0.19	1.44	3.35	0.00	4.9	0.0	0.	0.00
819	0.900	30.00	0.0	0.0	0.0	5.60	8.57	0.00	8.57	0.00	1.73	0.19	1.44	3.35	0.00	4.4	0.0	0.	0.00
820	0.800	30.00	0.0	0.0	0.0	5.56	8.55	0.00	8.55	0.00	1.72	0.19	1.44	3.35	0.00	3.9	0.0	0.	0.00
821	0.700	30.00	0.0	0.0	0.0	5.53	8.52	0.00	8.52	0.00	1.72	0.18	1.45	3.35	0.00	3.4	0.0	0.	0.00
822	0.600	30.00	0.0	0.0	0.0	5.49	8.50	0.00	8.50	0.00	1.72	0.18	1.45	3.35	0.00	2.9	0.0	0.	0.00
823	0.500	30.00	0.0	0.0	0.0	5.45	8.47	0.00	8.47	0.00	1.72	0.18	1.45	3.35	0.00	2.4	0.0	0.	0.00
824	0.400	30.00	0.0	0.0	0.0	5.41	8.45	0.00	8.45	0.00	1.72	0.18	1.45	3.35	0.00	1.9	0.0	0.	0.00
825	0.300	30.00	0.0	0.0	0.0	5.38	8.43	0.00	8.43	0.00	1.71	0.18	1.46	3.35	0.00	1.5	0.0	0.	0.00
826	0.200	30.00	0.0	0.0	0.0	5.34	8.40	0.00	8.40	0.00	1.71	0.18	1.46	3.35	0.00	1.0	0.0	0.	0.00
827	0.100	30.00	0.0	0.0	0.0	5.30	8.38	0.00	8.38	0.00	1.71	0.18	1.46	3.35	0.00	0.5	0.0	0.	0.00
828	0.000	30.00	0.0	0.0	0.0	5.26	8.35	0.00	8.35	0.00	1.71	0.17	1.47	3.35	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Upper Grand River #1
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
879	12.300	30.00	0.0	0.0	0.0	7.95	0.81	0.00	0.81	0.00	0.71	0.04	0.00	0.75	0.00	32.1	0.0	0.	0.00
880	12.200	30.00	0.0	0.0	0.0	8.55	0.04	0.00	0.04	0.00	0.36	0.02	0.00	0.38	0.00	32.1	0.0	0.	0.00
881	12.100	30.00	0.0	0.0	0.0	8.63	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.20	0.00	32.2	0.0	0.	0.00
882	12.000	30.00	0.0	0.0	0.0	8.65	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.10	0.00	32.3	0.0	0.	0.00
883	11.900	30.00	0.0	0.0	0.0	8.67	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	32.4	0.0	0.	0.00
884	11.800	30.00	0.0	0.0	0.0	8.68	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03	0.00	32.4	0.0	0.	0.00
885	11.700	30.00	0.0	0.0	0.0	8.69	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	32.5	0.0	0.	0.00
886	11.600	30.00	0.0	0.0	0.0	8.70	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	32.6	0.0	0.	0.00
887	11.500	30.00	0.0	0.0	0.0	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.6	0.0	0.	0.00
888	11.400	30.00	0.0	0.0	0.0	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.7	0.0	0.	0.00
889	11.300	30.00	0.0	0.0	0.0	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.8	0.0	0.	0.00
890	11.200	30.00	0.0	0.0	0.0	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.9	0.0	0.	0.00
891	11.100	30.00	0.0	0.0	0.0	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.9	0.0	0.	0.00
892	11.000	30.00	0.0	0.0	0.0	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.0	0.0	0.	0.00
893	10.900	30.00	0.0	0.0	0.0	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.1	0.0	0.	0.00
894	10.800	30.00	0.0	0.0	0.0	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.1	0.0	0.	0.00
895	10.700	30.00	0.0	0.0	0.0	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.2	0.0	0.	0.00
896	10.600	30.00	0.0	0.0	0.0	8.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.3	0.0	0.	0.00
897	10.500	30.00	0.0	0.0	0.0	8.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.4	0.0	0.	0.00
898	10.400	30.00	0.0	0.0	0.0	8.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.4	0.0	0.	0.00
899	10.300	30.00	0.0	0.0	0.0	8.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.5	0.0	0.	0.00
900	10.200	30.00	0.0	0.0	0.0	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.6	0.0	0.	0.00
901	10.100	30.00	0.0	0.0	0.0	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.6	0.0	0.	0.00
902	10.000	30.00	0.0	0.0	0.0	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.7	0.0	0.	0.00
903	9.900	30.00	0.0	0.0	0.0	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.8	0.0	0.	0.00
904	9.800	30.00	0.0	0.0	0.0	8.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.9	0.0	0.	0.00
905	9.700	30.00	0.0	0.0	0.0	8.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.9	0.0	0.	0.00
906	9.600	30.00	0.0	0.0	0.0	8.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.0	0.0	0.	0.00
907	9.500	30.00	0.0	0.0	0.0	8.40	0.48	0.00	0.48	0.00	0.47	0.03	0.00	0.50	0.00	34.1	0.0	0.	0.00
908	9.400	30.00	0.0	0.0	0.0	8.76	0.05	0.00	0.05	0.00	0.32	0.02	0.00	0.34	0.00	34.1	0.0	0.	0.00
909	9.300	30.00	0.0	0.0	0.0	8.83	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.23	0.00	34.2	0.0	0.	0.00
910	9.200	30.00	0.0	0.0	0.0	8.85	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.15	0.00	34.3	0.0	0.	0.00
911	9.100	30.00	0.0	0.0	0.0	8.87	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.10	0.00	34.4	0.0	0.	0.00
912	9.000	30.00	0.0	0.0	0.0	8.88	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07	0.00	34.4	0.0	0.	0.00
913	8.900	30.00	0.0	0.0	0.0	8.89	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05	0.00	34.5	0.0	0.	0.00
914	8.800	30.00	0.0	0.0	0.0	8.90	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	34.6	0.0	0.	0.00
915	8.700	30.00	0.0	0.0	0.0	8.91	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	34.6	0.0	0.	0.00
916	8.600	30.00	0.0	0.0	0.0	8.92	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.7	0.0	0.	0.00
917	8.500	30.00	0.0	0.0	0.0	8.92	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.8	0.0	0.	0.00
918	8.400	30.00	0.0	0.0	0.0	8.93	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.9	0.0	0.	0.00
919	8.300	30.00	0.0	0.0	0.0	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.9	0.0	0.	0.00
920	8.200	30.00	0.0	0.0	0.0	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.0	0.0	0.	0.00
921	8.100	30.00	0.0	0.0	0.0	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.1	0.0	0.	0.00
922	8.000	30.00	0.0	0.0	0.0	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.1	0.0	0.	0.00
923	7.900	30.00	0.0	0.0	0.0	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.2	0.0	0.	0.00
924	7.800	30.00	0.0	0.0	0.0	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.3	0.0	0.	0.00

925	7.700	30.00	0.0	0.0	0.0	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.4	0.0	0. 0.00
926	7.600	30.00	0.0	0.0	0.0	8.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.4	0.0	0. 0.00
927	7.500	30.00	0.0	0.0	0.0	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.5	0.0	0. 0.00
928	7.400	30.00	0.0	0.0	0.0	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.6	0.0	0. 0.00
929	7.300	30.00	0.0	0.0	0.0	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.6	0.0	0. 0.00
930	7.200	30.00	0.0	0.0	0.0	9.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.7	0.0	0. 0.00
931	7.100	30.00	0.0	0.0	0.0	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.8	0.0	0. 0.00
932	7.000	30.00	0.0	0.0	0.0	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.9	0.0	0. 0.00
933	6.900	30.00	0.0	0.0	0.0	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.9	0.0	0. 0.00
934	6.800	30.00	0.0	0.0	0.0	9.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.0	0.0	0. 0.00
935	6.700	30.00	0.0	0.0	0.0	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.1	0.0	0. 0.00
936	6.600	30.00	0.0	0.0	0.0	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.1	0.0	0. 0.00
937	6.500	30.00	0.0	0.0	0.0	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.2	0.0	0. 0.00
938	6.400	30.00	0.0	0.0	0.0	9.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.3	0.0	0. 0.00
939	6.300	30.00	0.0	0.0	0.0	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.4	0.0	0. 0.00
940	6.200	30.00	0.0	0.0	0.0	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.4	0.0	0. 0.00
941	6.100	30.00	0.0	0.0	0.0	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.5	0.0	0. 0.00
942	6.000	30.00	0.0	0.0	0.0	9.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.6	0.0	0. 0.00
943	5.900	30.00	0.0	0.0	0.0	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.6	0.0	0. 0.00
944	5.800	30.00	0.0	0.0	0.0	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.7	0.0	0. 0.00
945	5.700	30.00	0.0	0.0	0.0	9.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.8	0.0	0. 0.00
946	5.600	30.00	0.0	0.0	0.0	9.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.9	0.0	0. 0.00
947	5.500	30.00	0.0	0.0	0.0	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.9	0.0	0. 0.00
948	5.400	30.00	0.0	0.0	0.0	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.0	0.0	0. 0.00
949	5.300	30.00	0.0	0.0	0.0	9.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.1	0.0	0. 0.00
950	5.200	30.00	0.0	0.0	0.0	9.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.1	0.0	0. 0.00
951	5.100	30.00	0.0	0.0	0.0	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.2	0.0	0. 0.00
952	5.000	30.00	0.0	0.0	0.0	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.3	0.0	0. 0.00
953	4.900	30.00	0.0	0.0	0.0	9.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.4	0.0	0. 0.00
954	4.800	30.00	0.0	0.0	0.0	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.4	0.0	0. 0.00
955	4.700	30.00	0.0	0.0	0.0	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.5	0.0	0. 0.00
956	4.600	30.00	0.0	0.0	0.0	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.6	0.0	0. 0.00
957	4.500	30.00	0.0	0.0	0.0	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.6	0.0	0. 0.00
958	4.400	30.00	0.0	0.0	0.0	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.7	0.0	0. 0.00
959	4.300	30.00	0.0	0.0	0.0	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.8	0.0	0. 0.00
960	4.200	30.00	0.0	0.0	0.0	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.9	0.0	0. 0.00
961	4.100	30.00	0.0	0.0	0.0	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.9	0.0	0. 0.00
962	4.000	30.00	0.0	0.0	0.0	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.0	0.0	0. 0.00
1007	3.900	30.00	0.0	0.0	0.0	9.70	0.00	0.00	0.00	0.00	0.30	0.02	0.00	0.31	0.00	37.0	0.0	0. 0.00
1008	3.800	30.00	0.0	0.0	0.0	9.70	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.25	0.00	36.1	0.0	0. 0.00
1009	3.700	30.00	0.0	0.0	0.0	9.61	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.20	0.00	35.2	0.0	0. 0.00
1010	3.600	30.00	0.0	0.0	0.0	9.50	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.15	0.00	34.2	0.0	0. 0.00
1011	3.500	30.00	0.0	0.0	0.0	9.39	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.12	0.00	33.2	0.0	0. 0.00
1012	3.400	30.00	0.0	0.0	0.0	9.28	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.10	0.00	32.3	0.0	0. 0.00
1013	3.300	30.00	0.0	0.0	0.0	9.16	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.08	0.00	31.4	0.0	0. 0.00
1014	3.200	30.00	0.0	0.0	0.0	9.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06	0.00	30.4	0.0	0. 0.00
1015	3.100	30.00	0.0	0.0	0.0	8.94	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05	0.00	29.5	0.0	0. 0.00
1016	3.000	30.00	0.0	0.0	0.0	8.82	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00	28.5	0.0	0. 0.00
1017	2.900	30.00	0.0	0.0	0.0	8.71	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	27.5	0.0	0. 0.00
1018	2.800	30.00	0.0	0.0	0.0	8.59	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	26.6	0.0	0. 0.00

1019	2.700	30.00	0.0	0.0	0.0	8.48	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	25.6	0.0	0.	0.00
1020	2.600	30.00	0.0	0.0	0.0	8.36	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	24.7	0.0	0.	0.00
1021	2.500	30.00	0.0	0.0	0.0	8.25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	23.8	0.0	0.	0.00
1022	2.400	30.00	0.0	0.0	0.0	8.13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	22.8	0.0	0.	0.00
1023	2.300	30.00	0.0	0.0	0.0	8.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	21.9	0.0	0.	0.00
1024	2.200	30.00	0.0	0.0	0.0	7.90	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	20.9	0.0	0.	0.00
1025	2.100	30.00	0.0	0.0	0.0	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.0	0.0	0.	0.00
1026	2.000	30.00	0.0	0.0	0.0	7.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.0	0.0	0.	0.00
1027	1.900	30.00	0.0	0.0	0.0	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.1	0.0	0.	0.00
1028	1.800	30.00	0.0	0.0	0.0	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.1	0.0	0.	0.00
1029	1.700	30.00	0.0	0.0	0.0	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.1	0.0	0.	0.00
1030	1.600	30.00	0.0	0.0	0.0	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.2	0.0	0.	0.00
1031	1.500	30.00	0.0	0.0	0.0	7.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.2	0.0	0.	0.00
1032	1.400	30.00	0.0	0.0	0.0	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.3	0.0	0.	0.00
1033	1.300	30.00	0.0	0.0	0.0	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.4	0.0	0.	0.00
1034	1.200	30.00	0.0	0.0	0.0	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.4	0.0	0.	0.00
1035	1.100	30.00	0.0	0.0	0.0	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.5	0.0	0.	0.00
1036	1.000	30.00	0.0	0.0	0.0	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.5	0.0	0.	0.00
1037	0.900	30.00	0.0	0.0	0.0	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.6	0.0	0.	0.00
1038	0.800	30.00	0.0	0.0	0.0	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.6	0.0	0.	0.00
1039	0.700	30.00	0.0	0.0	0.0	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.7	0.0	0.	0.00
1040	0.600	30.00	0.0	0.0	0.0	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.7	0.0	0.	0.00
1041	0.500	30.00	0.0	0.0	0.0	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.8	0.0	0.	0.00
1042	0.400	30.00	0.0	0.0	0.0	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.8	0.0	0.	0.00
1043	0.300	30.00	0.0	0.0	0.0	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.9	0.0	0.	0.00
1044	0.200	30.00	0.0	0.0	0.0	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.9	0.0	0.	0.00
1045	0.100	30.00	0.0	0.0	0.0	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	0.0	0.	0.00
1046	0.000	30.00	0.0	0.0	0.0	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Lower Flat River

WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	*	*	CM-I mg/L	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
963	4.300	30.00	0.0	0.0	0.0	5.02	1.10	0.00	1.10	0.00	1.31	0.07	0.55	1.93	0.00	0.9	0.0	0.	0.00		
964	4.200	30.00	0.0	0.0	0.0	5.49	0.10	0.00	0.10	0.00	1.25	0.07	1.05	2.37	0.00	1.7	0.0	0.	0.00		
965	4.100	30.00	0.0	0.0	0.0	5.62	0.01	0.00	0.01	0.00	1.21	0.07	1.45	2.73	0.00	2.6	0.0	0.	0.00		
966	4.000	30.00	0.0	0.0	0.0	5.69	0.00	0.00	0.00	0.00	1.18	0.07	1.77	3.02	0.00	3.5	0.0	0.	0.00		
967	3.900	30.00	0.0	0.0	0.0	5.76	0.00	0.00	0.00	0.00	1.16	0.07	2.01	3.24	0.00	4.3	0.0	0.	0.00		
968	3.800	30.00	0.0	0.0	0.0	5.82	0.00	0.00	0.00	0.00	1.15	0.07	2.17	3.38	0.00	5.2	0.0	0.	0.00		
969	3.700	30.00	0.0	0.0	0.0	5.89	0.00	0.00	0.00	0.00	1.14	0.07	2.25	3.46	0.00	6.0	0.0	0.	0.00		
970	3.600	30.00	0.0	0.0	0.0	5.95	0.00	0.00	0.00	0.00	1.14	0.07	2.26	3.46	0.00	6.9	0.0	0.	0.00		
971	3.500	30.00	0.0	0.0	0.0	6.02	0.00	0.00	0.00	0.00	1.14	0.07	2.19	3.40	0.00	7.8	0.0	0.	0.00		
972	3.400	30.00	0.0	0.0	0.0	6.08	0.00	0.00	0.00	0.00	1.13	0.07	2.06	3.26	0.00	8.6	0.0	0.	0.00		
973	3.300	30.00	0.0	0.0	0.0	6.15	0.00	0.00	0.00	0.00	1.13	0.07	1.85	3.05	0.00	9.5	0.0	0.	0.00		
974	3.200	30.00	0.0	0.0	0.0	6.22	0.00	0.00	0.00	0.00	1.13	0.07	1.57	2.76	0.00	10.4	0.0	0.	0.00		
975	3.100	30.00	0.0	0.0	0.0	6.28	0.00	0.00	0.00	0.00	1.13	0.06	1.21	2.41	0.00	11.2	0.0	0.	0.00		
976	3.000	30.00	0.0	0.0	0.0	6.35	0.00	0.00	0.00	0.00	1.13	0.06	0.79	1.98	0.00	12.1	0.0	0.	0.00		
977	2.900	30.00	0.0	0.0	0.0	6.41	0.00	0.00	0.00	0.00	1.13	0.06	0.29	1.49	0.00	13.0	0.0	0.	0.00		
978	2.800	30.00	0.0	0.0	0.0	6.47	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	13.8	0.0	0.	0.00		
979	2.700	30.00	0.0	0.0	0.0	6.54	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	14.7	0.0	0.	0.00		
980	2.600	30.00	0.0	0.0	0.0	6.60	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	15.5	0.0	0.	0.00		

981	2.500	30.00	0.0	0.0	0.0	6.67	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	16.4	0.0	0.	0.00
982	2.400	30.00	0.0	0.0	0.0	6.73	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	17.3	0.0	0.	0.00
983	2.300	30.00	0.0	0.0	0.0	6.80	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	18.1	0.0	0.	0.00
984	2.200	30.00	0.0	0.0	0.0	6.86	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	19.0	0.0	0.	0.00
985	2.100	30.00	0.0	0.0	0.0	6.93	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	19.9	0.0	0.	0.00
986	2.000	30.00	0.0	0.0	0.0	6.99	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	20.7	0.0	0.	0.00
987	1.900	30.00	0.0	0.0	0.0	7.06	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	21.6	0.0	0.	0.00
988	1.800	30.00	0.0	0.0	0.0	7.12	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	22.5	0.0	0.	0.00
989	1.700	30.00	0.0	0.0	0.0	7.19	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	23.3	0.0	0.	0.00
990	1.600	30.00	0.0	0.0	0.0	7.25	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	24.2	0.0	0.	0.00
991	1.500	30.00	0.0	0.0	0.0	7.32	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	25.0	0.0	0.	0.00
992	1.400	30.00	0.0	0.0	0.0	7.38	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	25.9	0.0	0.	0.00
993	1.300	30.00	0.0	0.0	0.0	7.45	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	26.8	0.0	0.	0.00
994	1.200	30.00	0.0	0.0	0.0	7.51	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	27.6	0.0	0.	0.00
995	1.100	30.00	0.0	0.0	0.0	7.58	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	28.5	0.0	0.	0.00
996	1.000	30.00	0.0	0.0	0.0	7.64	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	29.4	0.0	0.	0.00
997	0.900	30.00	0.0	0.0	0.0	7.71	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	30.2	0.0	0.	0.00
998	0.800	30.00	0.0	0.0	0.0	7.77	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	31.1	0.0	0.	0.00
999	0.700	30.00	0.0	0.0	0.0	7.84	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	32.0	0.0	0.	0.00
1000	0.600	30.00	0.0	0.0	0.0	7.90	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	32.8	0.0	0.	0.00
1001	0.500	30.00	0.0	0.0	0.0	7.97	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	33.7	0.0	0.	0.00
1002	0.400	30.00	0.0	0.0	0.0	8.03	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	34.5	0.0	0.	0.00
1003	0.300	30.00	0.0	0.0	0.0	8.10	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	35.4	0.0	0.	0.00
1004	0.200	30.00	0.0	0.0	0.0	8.16	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	36.3	0.0	0.	0.00
1005	0.100	30.00	0.0	0.0	0.0	8.23	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	37.1	0.0	0.	0.00
1006	0.000	30.00	0.0	0.0	0.0	8.29	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	38.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Cholpe #1

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 **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
1	55.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	55.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	55.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	55.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	55.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	55.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	54.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	54.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	54.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	54.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	54.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	54.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	54.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	54.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	54.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	54.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	53.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	53.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	53.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

20	53.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	53.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	53.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	53.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	53.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	53.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	53.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	52.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	52.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	52.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	52.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	52.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	52.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	52.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	52.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	52.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	52.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	51.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	51.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	51.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	51.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	51.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	51.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	51.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	51.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	51.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	51.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	50.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	50.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	50.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	50.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	50.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	50.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	50.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	50.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	50.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	50.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	49.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	49.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	49.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	49.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	49.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	49.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	49.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	49.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	49.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	49.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	48.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	48.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	48.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

70	48.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	48.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	48.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	48.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	48.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	48.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	48.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	47.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	47.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	47.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	47.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	47.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	47.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	47.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	47.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	47.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	47.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	46.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	46.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	46.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	46.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	46.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	46.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	46.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	46.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	46.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	46.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	45.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	45.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	45.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	45.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	45.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	45.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	45.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	45.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	45.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	45.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	44.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	44.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	44.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	44.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	44.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	44.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	44.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	44.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	44.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	44.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	43.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	43.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	43.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

120	43.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	43.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	43.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	43.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	43.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	43.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229	43.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
230	42.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
231	42.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
232	42.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
233	42.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
234	42.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
235	42.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
236	42.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
237	42.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
238	42.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
239	42.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
240	41.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
241	41.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
242	41.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
243	41.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
244	41.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
245	41.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
246	41.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
247	41.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
248	41.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
249	41.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
250	40.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
251	40.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
252	40.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
253	40.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
254	40.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
255	40.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
256	40.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00
257	40.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00
258	40.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
259	40.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.77	0.00	0.00	0.00	0.00
260	39.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.89	0.00	0.00	0.00	0.00
261	39.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
262	39.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
263	39.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00
264	39.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
265	39.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.49	0.00	0.00	0.00	0.00
266	39.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00
267	39.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
268	39.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
269	39.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.98	0.00	0.00	0.00	0.00
270	38.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
271	38.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00
347	38.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.15	0.00	0.00	0.00	0.00

348	38.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00
349	38.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.01	0.00	0.00	0.00	0.00
350	38.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00
351	38.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.87	0.00	0.00	0.00	0.00
352	38.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.79	0.00	0.00	0.00	0.00
353	38.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.72	0.00	0.00	0.00	0.00
354	38.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
355	37.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.58	0.00	0.00	0.00	0.00
356	37.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00
357	37.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
358	37.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
359	37.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.00
360	37.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.00
361	37.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00
362	37.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.08	0.00	0.00	0.00	0.00
363	37.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
364	37.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.94	0.00	0.00	0.00	0.00
365	36.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
366	36.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00
367	36.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
368	36.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
369	36.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
370	36.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
371	36.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
372	36.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
373	36.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
374	36.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.22	0.00	0.00	0.00	0.00
375	35.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.15	0.00	0.00	0.00	0.00
376	35.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
377	35.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
378	35.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
379	35.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
380	35.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
381	35.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
382	35.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
383	35.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
384	35.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00
385	34.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
386	34.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
387	34.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
388	34.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
389	34.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
390	34.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
391	34.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
392	34.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
393	34.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
394	34.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
395	33.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
396	33.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
397	33.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00

398	33.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
399	33.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
400	33.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
401	33.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
402	33.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
403	33.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
404	33.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
405	32.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
406	32.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
407	32.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
408	32.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00
409	32.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
410	32.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00
411	32.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
412	32.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
413	32.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00
414	32.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
415	31.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
416	31.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
417	31.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
418	31.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
419	31.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
554	31.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
555	31.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
556	31.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557	31.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
558	31.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
559	30.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	30.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561	30.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
562	30.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
563	30.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
564	30.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
565	30.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566	30.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
567	30.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
568	30.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569	29.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
570	29.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
571	29.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572	29.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
573	29.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
574	29.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	29.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
576	29.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577	29.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
578	29.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
579	28.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
580	28.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
581	28.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

582	28.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
583	28.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
584	28.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
585	28.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
586	28.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587	28.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
588	28.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
589	27.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
590	27.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591	27.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
592	27.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
593	27.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
594	27.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
595	27.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
596	27.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
597	27.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598	27.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599	26.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	26.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
601	26.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
602	26.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
603	26.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604	26.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	26.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
606	26.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
607	26.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608	26.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
609	25.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
610	25.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
611	25.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612	25.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
613	25.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
614	25.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
615	25.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
616	25.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
617	25.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
618	25.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
619	24.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
620	24.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
621	24.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
622	24.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
623	24.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
624	24.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
625	24.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
626	24.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
627	24.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
628	24.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
629	23.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	23.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
631	23.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

632	23.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
633	23.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
634	23.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	23.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
636	23.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
637	23.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
638	23.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
639	22.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
640	22.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
641	22.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
642	22.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
643	22.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
644	22.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
645	22.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
646	22.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
647	22.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
648	22.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
649	21.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
650	21.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
651	21.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
652	21.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
653	21.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
654	21.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
655	21.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
656	21.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
657	21.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
658	21.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
659	20.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	20.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
661	20.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
662	20.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
663	20.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
664	20.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	20.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
666	20.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
667	20.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
668	20.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
669	19.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	19.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
671	19.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
672	19.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
673	19.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
674	19.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
675	19.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
676	19.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677	19.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	19.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
679	18.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
680	18.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
681	18.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

682	18.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
683	18.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
684	18.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
685	18.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
686	18.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
687	18.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
688	18.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
689	17.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	17.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	17.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	17.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	17.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	17.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	17.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
696	17.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
697	17.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
698	17.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	16.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	16.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
701	16.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
702	16.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703	16.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
704	16.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
705	16.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706	16.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
707	16.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
708	16.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
709	15.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
829	15.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
830	15.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
831	15.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
832	15.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
833	15.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
834	15.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	15.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
836	15.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
837	15.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
838	14.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
839	14.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	14.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
841	14.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
842	14.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
843	14.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
844	14.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
845	14.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
846	14.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	14.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
848	13.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
849	13.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	13.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

851	13.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
852	13.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
853	13.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
854	13.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
855	13.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856	13.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857	13.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
858	12.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859	12.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	12.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861	12.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862	12.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
863	12.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864	12.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
865	12.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
866	12.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
867	12.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
868	11.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
869	11.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
870	11.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
871	11.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872	11.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
873	11.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
874	11.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
875	11.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
876	11.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
877	11.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878	10.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1047	10.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1048	10.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1049	10.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1050	10.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1051	10.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1052	10.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1053	10.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1054	10.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1055	10.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1056	9.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1057	9.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1058	9.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1059	9.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1060	9.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1061	9.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1062	9.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1063	9.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1064	9.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1065	9.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1066	8.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1067	8.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1068	8.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1069	8.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1070	8.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1071	8.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1072	8.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1073	8.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1074	8.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1075	8.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1076	7.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1077	7.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1078	7.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1079	7.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1080	7.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1081	7.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1082	7.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1083	7.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1084	7.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1085	7.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1086	6.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1087	6.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1088	6.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1089	6.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1090	6.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1091	6.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1092	6.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1093	6.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1094	6.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1095	6.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1096	5.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1097	5.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1098	5.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1099	5.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100	5.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1101	5.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1102	5.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1103	5.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1104	5.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1105	5.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1106	4.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1107	4.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1108	4.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1109	4.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1110	4.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1111	4.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1112	4.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1113	4.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1114	4.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1115	4.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1116	3.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1117	3.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1118	3.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1119	3.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1120	3.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1121	3.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1122	3.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1123	3.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1124	3.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1125	3.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1126	2.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1127	2.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1128	2.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1129	2.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1130	2.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1131	2.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1132	2.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1133	2.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1134	2.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1135	2.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1136	1.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1137	1.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1138	1.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1139	1.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1140	1.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1141	1.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1142	1.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1143	1.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1144	1.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1145	1.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1146	0.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1147	0.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1148	0.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1149	0.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1150	0.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1151	0.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1152	0.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1153	0.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1154	0.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1155	0.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Poydras #1

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 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 DECAY 1/da	NCM SETT
126	10.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	10.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	10.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	9.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	9.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	9.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	9.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	9.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

134	9.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	9.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	9.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	9.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	9.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	8.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	8.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	8.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	8.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	8.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	8.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	8.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	8.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	8.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	7.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	7.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	7.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	7.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	7.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	7.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	7.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	7.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	7.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	7.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	6.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	6.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	6.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	6.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	6.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	6.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	6.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	6.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	6.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	6.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	5.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	5.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	5.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	5.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	5.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	5.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	5.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	5.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	5.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	5.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	4.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	4.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	4.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	4.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
183	4.500	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

184	4.400	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	4.300	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
186	4.200	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187	4.100	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
188	4.000	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	3.900	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	3.800	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191	3.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192	3.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193	3.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194	3.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	3.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	3.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	3.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	3.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	2.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	2.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	2.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	2.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	2.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	2.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	2.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	2.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	2.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	2.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
209	1.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	1.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	1.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	1.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	1.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	1.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	1.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	1.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	1.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	1.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	0.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	0.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	0.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	0.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	0.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
224	0.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	0.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	0.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228	0.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Chamberlin Canal #1

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 1/da	PO4 PROD 1/da	ALG PROD 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM

272	7.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	7.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	7.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	7.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	7.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	6.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	6.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	6.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	6.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	6.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	6.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	6.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	6.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	6.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	6.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287	5.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
288	5.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
289	5.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
290	5.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
291	5.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292	5.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
293	5.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
294	5.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	5.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	5.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
297	4.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
298	4.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	4.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	4.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
301	4.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	4.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
303	4.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	4.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	4.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
306	4.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
307	3.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00
308	3.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
309	3.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
310	3.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
311	3.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
312	3.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
313	3.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
314	3.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
315	3.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
316	3.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
317	2.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
318	2.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
319	2.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
320	2.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
321	2.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00

322	2.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
323	2.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
324	2.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.49	0.00	0.00	0.00	0.00
325	2.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
326	2.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
327	1.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
328	1.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
329	1.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00
330	1.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00
331	1.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
332	1.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.48	0.00	0.00	0.00	0.00
333	1.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.61	0.00	0.00	0.00	0.00
334	1.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00
335	1.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
336	1.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00
337	0.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.10	0.00	0.00	0.00	0.00
338	0.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
339	0.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.35	0.00	0.00	0.00	0.00
340	0.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
341	0.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
342	0.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
343	0.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
344	0.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.97	0.00	0.00	0.00	0.00
345	0.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
346	0.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00

SPECIAL REPORT: Intracoastal Waterwa

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	BOD#1 DECAY 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT *	BOD#2 DECAY *	BOD#2 DECAY 1/da	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
420	13.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
421	13.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
422	13.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
423	13.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
424	12.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
425	12.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
426	12.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
427	12.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
428	12.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
429	12.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
430	12.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
431	12.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
432	12.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
433	12.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
434	11.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
435	11.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
436	11.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
437	11.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
438	11.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
439	11.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

440	11.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
441	11.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
442	11.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
443	11.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	10.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
445	10.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
446	10.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
447	10.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
448	10.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449	10.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450	10.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
451	10.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
452	10.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
453	10.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
454	9.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	9.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
456	9.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
457	9.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
458	9.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
459	9.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	9.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
461	9.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
462	9.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
463	9.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
464	8.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
465	8.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466	8.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
467	8.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
468	8.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
469	8.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	8.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471	8.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
472	8.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
473	8.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
474	7.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
475	7.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
476	7.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
477	7.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
478	7.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
479	7.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
480	7.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
481	7.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
482	7.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
483	7.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484	6.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	6.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
486	6.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
487	6.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
488	6.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
489	6.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

490	6.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
491	6.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
492	6.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
493	6.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
494	5.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
495	5.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
496	5.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
497	5.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
498	5.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	5.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	5.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
501	5.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502	5.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
503	5.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
504	4.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
505	4.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
506	4.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
507	4.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
508	4.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
509	4.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510	4.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
511	4.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
512	4.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
513	4.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
514	3.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	3.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
516	3.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
517	3.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
518	3.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
519	3.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	3.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521	3.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
522	3.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
523	3.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
524	2.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
525	2.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526	2.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527	2.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
528	2.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
529	2.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	2.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
531	2.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532	2.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
533	2.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534	1.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535	1.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
536	1.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
537	1.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
538	1.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
539	1.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

540	1.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541	1.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
542	1.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
543	1.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
544	0.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
546	0.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
547	0.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
548	0.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549	0.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
550	0.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551	0.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
552	0.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
553	0.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Plaquemine

BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST	SAT D.O.	REAER RATE	BOD#1 DECAY	BOD#1 SETT	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	DENIT SRCE	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	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
710	11.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.55	0.00	0.00	0.00	0.00
711	11.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00
712	11.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.47	0.00	0.00	0.00	0.00
713	11.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
714	11.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00
715	11.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00
716	11.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.32	0.00	0.00	0.00	0.00
717	11.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00
718	11.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.24	0.00	0.00	0.00	0.00
719	10.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00
720	10.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00
721	10.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
722	10.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00
723	10.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.05	0.00	0.00	0.00	0.00
724	10.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
725	10.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
726	10.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00
727	10.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.90	0.00	0.00	0.00	0.00
728	10.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
729	9.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00
730	9.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.78	0.00	0.00	0.00	0.00
731	9.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.00
732	9.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00
733	9.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.66	0.00	0.00	0.00	0.00
734	9.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.63	0.00	0.00	0.00	0.00
735	9.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.59	0.00	0.00	0.00	0.00
736	9.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.55	0.00	0.00	0.00	0.00
737	9.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
738	9.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.47	0.00	0.00	0.00	0.00
739	8.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
740	8.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.39	0.00	0.00	0.00	0.00

741	8.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
742	8.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00
743	8.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
744	8.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00
745	8.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00
746	8.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
747	8.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00
748	8.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00
749	7.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00
750	7.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
751	7.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
752	7.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
753	7.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
754	7.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
755	7.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
756	7.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
757	7.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
758	7.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
759	6.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
760	6.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
761	6.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
762	6.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
763	6.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00
764	6.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00
765	6.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
766	6.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
767	6.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00
768	6.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
769	5.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.28	0.00	0.00	0.00	0.00
770	5.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
771	5.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
772	5.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
773	5.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
774	5.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
775	5.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
776	5.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
777	5.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
778	5.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
779	4.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
780	4.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
781	4.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
782	4.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
783	4.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
784	4.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
785	4.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
786	4.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
787	4.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
788	4.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
789	3.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
790	3.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00

791	3.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
792	3.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
793	3.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
794	3.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
795	3.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
796	3.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
797	3.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
798	3.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
799	2.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
800	2.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
801	2.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
802	2.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
803	2.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
804	2.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
805	2.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
806	2.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
807	2.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00
808	2.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00
809	1.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
810	1.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00
811	1.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00
812	1.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
813	1.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
814	1.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
815	1.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
816	1.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00
817	1.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00
818	1.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
819	0.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
820	0.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
821	0.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
822	0.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
823	0.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00
824	0.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
825	0.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
826	0.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
827	0.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
828	0.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Upper Grand River #1

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
879	12.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00
880	12.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00
881	12.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
882	12.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
883	11.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
884	11.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
885	11.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00

886	11.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
887	11.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
888	11.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
889	11.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
890	11.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
891	11.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
892	11.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
893	10.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
894	10.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
895	10.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
896	10.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
897	10.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.64	0.00	0.00	0.00	0.00
898	10.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
899	10.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
900	10.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
901	10.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
902	10.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
903	9.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
904	9.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.68	0.00	0.00	0.00	0.00
905	9.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
906	9.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
907	9.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
908	9.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
909	9.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
910	9.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
911	9.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
912	9.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
913	8.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
914	8.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
915	8.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
916	8.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
917	8.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
918	8.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
919	8.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
920	8.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.77	0.00	0.00	0.00	0.00
921	8.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
922	8.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
923	7.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
924	7.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
925	7.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
926	7.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
927	7.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00
928	7.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
929	7.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
930	7.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00
931	7.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00
932	7.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
933	6.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
934	6.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
935	6.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00

936	6.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
937	6.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
938	6.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
939	6.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
940	6.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
941	6.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
942	6.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
943	5.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
944	5.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
945	5.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
946	5.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
947	5.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
948	5.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
949	5.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
950	5.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
951	5.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
952	5.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
953	4.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
954	4.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
955	4.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
956	4.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
957	4.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
958	4.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
959	4.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00
960	4.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
961	4.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
962	4.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
1007	3.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
1008	3.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
1009	3.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
1010	3.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
1011	3.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
1012	3.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
1013	3.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00
1014	3.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00
1015	3.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00
1016	3.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
1017	2.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
1018	2.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
1019	2.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
1020	2.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
1021	2.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
1022	2.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
1023	2.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
1024	2.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
1025	2.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
1026	2.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
1027	1.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
1028	1.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
1029	1.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00

1030	1.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
1031	1.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
1032	1.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
1033	1.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
1034	1.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
1035	1.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
1036	1.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
1037	0.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
1038	0.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00
1039	0.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
1040	0.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
1041	0.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
1042	0.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
1043	0.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
1044	0.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
1045	0.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
1046	0.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Lower Flat River

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 **	ORG-N DECAY **	NH3 SRCE 1/da	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM DECAY	NCM SETT
963	4.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.41	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
964	4.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.41	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
965	4.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
966	4.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
967	3.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
968	3.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00
969	3.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00
970	3.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00
971	3.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
972	3.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
973	3.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
974	3.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00
975	3.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
976	3.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
977	2.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
978	2.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
979	2.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
980	2.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
981	2.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
982	2.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
983	2.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
984	2.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
985	2.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
986	2.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
987	1.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
988	1.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
989	1.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
990	1.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00

991	1.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
992	1.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
993	1.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
994	1.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
995	1.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
996	1.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.32	0.00	0.00	0.00	0.00
997	0.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
998	0.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.46	0.00	0.00	0.00	0.00
999	0.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.53	0.00	0.00	0.00	0.00
1000	0.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
1001	0.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
1002	0.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
1003	0.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
1004	0.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
1005	0.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
1006	0.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne

REACH NO. 1 Bayou Cholpe #1 TMDL Simulation for Upper Terrebonne 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
1	HDWTR	0.00283	28.70	0.00	0.00	0.00	5.00	3.11	0.00	3.11	0.00	1.59	0.03	1.50	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
1	55.60	55.50	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
2	55.50	55.40	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
3	55.40	55.30	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
4	55.30	55.20	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
5	55.20	55.10	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
6	55.10	55.00	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
7	55.00	54.90	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
8	54.90	54.80	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
9	54.80	54.70	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
10	54.70	54.60	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
11	54.60	54.50	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
12	54.50	54.40	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
13	54.40	54.30	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
14	54.30	54.20	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
15	54.20	54.10	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
16	54.10	54.00	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
17	54.00	53.90	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
18	53.90	53.80	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
19	53.80	53.70	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
20	53.70	53.60	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
21	53.60	53.50	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
22	53.50	53.40	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
23	53.40	53.30	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
24	53.30	53.20	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011

25	53.20	53.10	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
26	53.10	53.00	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
27	53.00	52.90	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
28	52.90	52.80	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
29	52.80	52.70	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
30	52.70	52.60	0.00283	0.0	0.01132	0.10	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.011
TOT					3.07		750.00	3000.00							
AVG				0.0113		0.25	1.00		0.25						
CUM					3.07										

********** 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	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	55.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	55.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	55.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	55.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	55.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	55.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	54.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	54.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	54.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	54.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	54.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	54.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	54.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	54.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	54.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	54.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	53.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	53.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	53.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	53.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	53.500	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	53.400	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	53.300	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	53.200	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	53.100	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	53.000	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	52.900	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	52.800	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	52.700	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	52.600	7.56	4.03	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			3.35	0.13	0.00	0.00	0.00	0.00	0.00	0.10			0.02	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 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
1	55.500	30.00	0.00	0.00	0.00	5.64	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
2	55.400	30.00	0.00	0.00	0.00	6.10	2.98	0.00	2.98	0.00	1.58	0.04	1.50	3.12	0.00	0.00	0.00	0.	0.00

3	55.300	30.00	0.00	0.00	0.00	6.42	2.92	0.00	2.92	0.00	1.58	0.04	1.50	3.12	0.00	0.00	0.00	0.	0.00
4	55.200	30.00	0.00	0.00	0.00	6.65	2.86	0.00	2.86	0.00	1.57	0.04	1.51	3.12	0.00	0.00	0.00	0.	0.00
5	55.100	30.00	0.00	0.00	0.00	6.81	2.80	0.00	2.80	0.00	1.57	0.04	1.51	3.12	0.00	0.00	0.00	0.	0.00
6	55.000	30.00	0.00	0.00	0.00	6.93	2.74	0.00	2.74	0.00	1.57	0.04	1.51	3.12	0.00	0.00	0.00	0.	0.00
7	54.900	30.00	0.00	0.00	0.00	7.01	2.69	0.00	2.69	0.00	1.56	0.05	1.51	3.12	0.00	0.00	0.00	0.	0.00
8	54.800	30.00	0.00	0.00	0.00	7.07	2.63	0.00	2.63	0.00	1.56	0.05	1.51	3.12	0.00	0.00	0.00	0.	0.00
9	54.700	30.00	0.00	0.00	0.00	7.11	2.58	0.00	2.58	0.00	1.55	0.05	1.52	3.12	0.00	0.00	0.00	0.	0.00
10	54.600	30.00	0.00	0.00	0.00	7.14	2.53	0.00	2.53	0.00	1.55	0.05	1.52	3.12	0.00	0.00	0.00	0.	0.00
11	54.500	30.00	0.00	0.00	0.00	7.17	2.47	0.00	2.47	0.00	1.55	0.05	1.52	3.12	0.00	0.00	0.00	0.	0.00
12	54.400	30.00	0.00	0.00	0.00	7.18	2.42	0.00	2.42	0.00	1.54	0.05	1.52	3.12	0.00	0.00	0.00	0.	0.00
13	54.300	30.00	0.00	0.00	0.00	7.20	2.37	0.00	2.37	0.00	1.54	0.05	1.53	3.12	0.00	0.00	0.00	0.	0.00
14	54.200	30.00	0.00	0.00	0.00	7.20	2.32	0.00	2.32	0.00	1.54	0.06	1.53	3.12	0.00	0.00	0.00	0.	0.00
15	54.100	30.00	0.00	0.00	0.00	7.21	2.28	0.00	2.28	0.00	1.53	0.06	1.53	3.12	0.00	0.00	0.00	0.	0.00
16	54.000	30.00	0.00	0.00	0.00	7.22	2.23	0.00	2.23	0.00	1.53	0.06	1.53	3.12	0.00	0.00	0.00	0.	0.00
17	53.900	30.00	0.00	0.00	0.00	7.22	2.18	0.00	2.18	0.00	1.52	0.06	1.54	3.12	0.00	0.00	0.00	0.	0.00
18	53.800	30.00	0.00	0.00	0.00	7.23	2.14	0.00	2.14	0.00	1.52	0.06	1.54	3.12	0.00	0.00	0.00	0.	0.00
19	53.700	30.00	0.00	0.00	0.00	7.23	2.09	0.00	2.09	0.00	1.52	0.06	1.54	3.12	0.00	0.00	0.00	0.	0.00
20	53.600	30.00	0.00	0.00	0.00	7.23	2.05	0.00	2.05	0.00	1.51	0.06	1.54	3.12	0.00	0.00	0.00	0.	0.00
21	53.500	30.00	0.00	0.00	0.00	7.23	2.01	0.00	2.01	0.00	1.51	0.06	1.55	3.12	0.00	0.00	0.00	0.	0.00
22	53.400	30.00	0.00	0.00	0.00	7.24	1.97	0.00	1.97	0.00	1.51	0.06	1.55	3.12	0.00	0.00	0.00	0.	0.00
23	53.300	30.00	0.00	0.00	0.00	7.24	1.93	0.00	1.93	0.00	1.50	0.07	1.55	3.12	0.00	0.00	0.00	0.	0.00
24	53.200	30.00	0.00	0.00	0.00	7.24	1.89	0.00	1.89	0.00	1.50	0.07	1.56	3.12	0.00	0.00	0.00	0.	0.00
25	53.100	30.00	0.00	0.00	0.00	7.24	1.85	0.00	1.85	0.00	1.49	0.07	1.56	3.12	0.00	0.00	0.00	0.	0.00
26	53.000	30.00	0.00	0.00	0.00	7.24	1.81	0.00	1.81	0.00	1.49	0.07	1.56	3.12	0.00	0.00	0.00	0.	0.00
27	52.900	30.00	0.00	0.00	0.00	7.25	1.77	0.00	1.77	0.00	1.49	0.07	1.56	3.12	0.00	0.00	0.00	0.	0.00
28	52.800	30.00	0.00	0.00	0.00	7.25	1.74	0.00	1.74	0.00	1.48	0.07	1.57	3.12	0.00	0.00	0.00	0.	0.00
29	52.700	30.00	0.00	0.00	0.00	7.25	1.70	0.00	1.70	0.00	1.48	0.07	1.57	3.12	0.00	0.00	0.00	0.	0.00
30	52.600	30.00	0.00	0.00	0.00	7.25	1.67	0.00	1.67	0.00	1.48	0.07	1.57	3.12	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 2 Bayou Cholpe #2 TMDL Simulation for Upper Terrebonne model

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

ELEM NO.	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
		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	
31	UPR RCH	0.00283	30.00	0.00	0.00	0.00	7.25	1.67	0.00	1.67	0.00	1.48	0.07	1.57	0.00	0.00	0.00	0.00
EACH	INCR	0.00003	30.00	0.00	0.00	0.00	5.00	6.16	0.00		0.99	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
31	52.60	52.50	0.00286	0.0	0.00029	4.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
32	52.50	52.40	0.00289	0.0	0.00029	4.01	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
33	52.40	52.30	0.00292	0.0	0.00029	3.97	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
34	52.30	52.20	0.00295	0.0	0.00029	3.93	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
35	52.20	52.10	0.00298	0.0	0.00030	3.89	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
36	52.10	52.00	0.00301	0.0	0.00030	3.85	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
37	52.00	51.90	0.00304	0.0	0.00030	3.81	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
38	51.90	51.80	0.00307	0.0	0.00031	3.78	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
39	51.80	51.70	0.00310	0.0	0.00031	3.74	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
40	51.70	51.60	0.00312	0.0	0.00031	3.70	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
41	51.60	51.50	0.00315	0.0	0.00032	3.67	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000

42	51.50	51.40	0.00318	0.0	0.00032	3.64	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
43	51.40	51.30	0.00321	0.0	0.00032	3.60	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
44	51.30	51.20	0.00324	0.0	0.00032	3.57	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
45	51.20	51.10	0.00327	0.0	0.00033	3.54	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
46	51.10	51.00	0.00330	0.0	0.00033	3.51	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
47	51.00	50.90	0.00333	0.0	0.00033	3.47	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
48	50.90	50.80	0.00336	0.0	0.00034	3.44	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
49	50.80	50.70	0.00339	0.0	0.00034	3.41	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
50	50.70	50.60	0.00342	0.0	0.00034	3.38	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
51	50.60	50.50	0.00345	0.0	0.00034	3.36	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
52	50.50	50.40	0.00348	0.0	0.00035	3.33	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
53	50.40	50.30	0.00351	0.0	0.00035	3.30	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
54	50.30	50.20	0.00354	0.0	0.00035	3.27	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
55	50.20	50.10	0.00357	0.0	0.00036	3.24	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
56	50.10	50.00	0.00360	0.0	0.00036	3.22	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
57	50.00	49.90	0.00363	0.0	0.00036	3.19	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
58	49.90	49.80	0.00366	0.0	0.00037	3.17	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
59	49.80	49.70	0.00368	0.0	0.00037	3.14	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
60	49.70	49.60	0.00371	0.0	0.00037	3.12	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
61	49.60	49.50	0.00374	0.0	0.00037	3.09	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
62	49.50	49.40	0.00377	0.0	0.00038	3.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
63	49.40	49.30	0.00380	0.0	0.00038	3.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
64	49.30	49.20	0.00383	0.0	0.00038	3.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
65	49.20	49.10	0.00386	0.0	0.00039	3.00	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
66	49.10	49.00	0.00389	0.0	0.00039	2.97	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
67	49.00	48.90	0.00392	0.0	0.00039	2.95	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
68	48.90	48.80	0.00395	0.0	0.00040	2.93	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
69	48.80	48.70	0.00398	0.0	0.00040	2.91	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
70	48.70	48.60	0.00401	0.0	0.00040	2.89	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
71	48.60	48.50	0.00404	0.0	0.00040	2.87	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
72	48.50	48.40	0.00407	0.0	0.00041	2.85	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
73	48.40	48.30	0.00410	0.0	0.00041	2.82	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
74	48.30	48.20	0.00413	0.0	0.00041	2.80	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
75	48.20	48.10	0.00416	0.0	0.00042	2.78	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
76	48.10	48.00	0.00419	0.0	0.00042	2.77	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
77	48.00	47.90	0.00422	0.0	0.00042	2.75	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
78	47.90	47.80	0.00424	0.0	0.00042	2.73	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
79	47.80	47.70	0.00427	0.0	0.00043	2.71	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
80	47.70	47.60	0.00430	0.0	0.00043	2.69	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
81	47.60	47.50	0.00433	0.0	0.00043	2.67	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
82	47.50	47.40	0.00436	0.0	0.00044	2.65	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
83	47.40	47.30	0.00439	0.0	0.00044	2.64	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
84	47.30	47.20	0.00442	0.0	0.00044	2.62	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
85	47.20	47.10	0.00445	0.0	0.00045	2.60	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
86	47.10	47.00	0.00448	0.0	0.00045	2.58	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
87	47.00	46.90	0.00451	0.0	0.00045	2.57	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
88	46.90	46.80	0.00454	0.0	0.00045	2.55	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
89	46.80	46.70	0.00457	0.0	0.00046	2.53	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
90	46.70	46.60	0.00460	0.0	0.00046	2.52	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
91	46.60	46.50	0.00463	0.0	0.00046	2.50	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000

92	46.50	46.40	0.00466	0.0	0.00047	2.49	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
93	46.40	46.30	0.00469	0.0	0.00047	2.47	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
94	46.30	46.20	0.00472	0.0	0.00047	2.45	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
95	46.20	46.10	0.00475	0.0	0.00047	2.44	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
96	46.10	46.00	0.00478	0.0	0.00048	2.42	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
97	46.00	45.90	0.00480	0.0	0.00048	2.41	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
98	45.90	45.80	0.00483	0.0	0.00048	2.39	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
99	45.80	45.70	0.00486	0.0	0.00049	2.38	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
100	45.70	45.60	0.00489	0.0	0.00049	2.37	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
101	45.60	45.50	0.00492	0.0	0.00049	2.35	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
102	45.50	45.40	0.00495	0.0	0.00050	2.34	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
103	45.40	45.30	0.00498	0.0	0.00050	2.32	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.000
104	45.30	45.20	0.00501	0.0	0.00050	2.31	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
105	45.20	45.10	0.00504	0.0	0.00050	2.30	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
106	45.10	45.00	0.00507	0.0	0.00051	2.28	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
107	45.00	44.90	0.00510	0.0	0.00051	2.27	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
108	44.90	44.80	0.00513	0.0	0.00051	2.26	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
109	44.80	44.70	0.00516	0.0	0.00052	2.24	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
110	44.70	44.60	0.00519	0.0	0.00052	2.23	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
111	44.60	44.50	0.00522	0.0	0.00052	2.22	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
112	44.50	44.40	0.00525	0.0	0.00052	2.21	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
113	44.40	44.30	0.00528	0.0	0.00053	2.19	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
114	44.30	44.20	0.00531	0.0	0.00053	2.18	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
115	44.20	44.10	0.00534	0.0	0.00053	2.17	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
116	44.10	44.00	0.00536	0.0	0.00054	2.16	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
117	44.00	43.90	0.00539	0.0	0.00054	2.15	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
118	43.90	43.80	0.00542	0.0	0.00054	2.13	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
119	43.80	43.70	0.00545	0.0	0.00055	2.12	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
120	43.70	43.60	0.00548	0.0	0.00055	2.11	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
121	43.60	43.50	0.00551	0.0	0.00055	2.10	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
122	43.50	43.40	0.00554	0.0	0.00055	2.09	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
123	43.40	43.30	0.00557	0.0	0.00056	2.08	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
124	43.30	43.20	0.00560	0.0	0.00056	2.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
125	43.20	43.10	0.00563	0.0	0.00056	2.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.001
TOT					269.09				95000.00	95000.00					
AVG				0.0004			1.00	10.00			10.00				
CUM					272.16										

********** 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 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		
31	52.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	52.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	52.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	52.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	52.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	52.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	51.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	51.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	51.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

40	51.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	51.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	51.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	51.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	51.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	51.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	51.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	50.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	50.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	50.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	50.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	50.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	50.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	50.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	50.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	50.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	50.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	49.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	49.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	49.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	49.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	49.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	49.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	49.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	49.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	49.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	49.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	48.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	48.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	48.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	48.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	48.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	48.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	48.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	48.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	48.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	48.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	47.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	47.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	47.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	47.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	47.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	47.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	47.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	47.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	47.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	47.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	46.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	46.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	46.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

90	46.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	46.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	46.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	46.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	46.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	46.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	46.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	45.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	45.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	45.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	45.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	45.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	45.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	45.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	45.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	45.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	45.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	44.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	44.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	44.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	44.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	44.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	44.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	44.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	44.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	44.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	44.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	43.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	43.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	43.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	43.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	43.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	43.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	43.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	43.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	43.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				0.70	0.13	0.00	0.00	0.00	0.00	0.00	0.10		0.02	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
31	52.500	30.00	0.00	0.00	0.00	7.01	0.93	0.00	0.93	0.00	1.34	0.07	1.69	3.10	0.00	0.00	0.00	0.	0.00	
32	52.400	30.00	0.00	0.00	0.00	7.03	0.54	0.00	0.54	0.00	1.22	0.07	1.79	3.08	0.00	0.00	0.00	0.	0.00	
33	52.300	30.00	0.00	0.00	0.00	7.09	0.33	0.00	0.33	0.00	1.11	0.06	1.88	3.06	0.00	0.00	0.00	0.	0.00	
34	52.200	30.00	0.00	0.00	0.00	7.13	0.21	0.00	0.21	0.00	1.01	0.06	1.97	3.03	0.00	0.00	0.00	0.	0.00	
35	52.100	30.00	0.00	0.00	0.00	7.16	0.15	0.00	0.15	0.00	0.92	0.05	2.04	3.01	0.00	0.00	0.00	0.	0.00	
36	52.000	30.00	0.00	0.00	0.00	7.18	0.12	0.00	0.12	0.00	0.84	0.05	2.10	2.99	0.00	0.00	0.00	0.	0.00	
37	51.900	30.00	0.00	0.00	0.00	7.20	0.10	0.00	0.10	0.00	0.77	0.05	2.16	2.98	0.00	0.00	0.00	0.	0.00	
38	51.800	30.00	0.00	0.00	0.00	7.21	0.09	0.00	0.09	0.00	0.71	0.04	2.20	2.96	0.00	0.00	0.00	0.	0.00	
39	51.700	30.00	0.00	0.00	0.00	7.22	0.08	0.00	0.08	0.00	0.65	0.04	2.25	2.94	0.00	0.00	0.00	0.	0.00	

40	51.600	30.00	0.00	0.00	0.00	7.23	0.08	0.00	0.08	0.00	0.60	0.04	2.28	2.92	0.00	0.00	0.00	0.	0.00
41	51.500	30.00	0.00	0.00	0.00	7.23	0.08	0.00	0.08	0.00	0.56	0.03	2.31	2.90	0.00	0.00	0.00	0.	0.00
42	51.400	30.00	0.00	0.00	0.00	7.24	0.08	0.00	0.08	0.00	0.51	0.03	2.34	2.88	0.00	0.00	0.00	0.	0.00
43	51.300	30.00	0.00	0.00	0.00	7.25	0.08	0.00	0.08	0.00	0.48	0.03	2.36	2.87	0.00	0.00	0.00	0.	0.00
44	51.200	30.00	0.00	0.00	0.00	7.25	0.08	0.00	0.08	0.00	0.44	0.03	2.38	2.85	0.00	0.00	0.00	0.	0.00
45	51.100	30.00	0.00	0.00	0.00	7.25	0.08	0.00	0.08	0.00	0.41	0.02	2.40	2.83	0.00	0.00	0.00	0.	0.00
46	51.000	30.00	0.00	0.00	0.00	7.26	0.08	0.00	0.08	0.00	0.38	0.02	2.41	2.82	0.00	0.00	0.00	0.	0.00
47	50.900	30.00	0.00	0.00	0.00	7.26	0.08	0.00	0.08	0.00	0.36	0.02	2.42	2.80	0.00	0.00	0.00	0.	0.00
48	50.800	30.00	0.00	0.00	0.00	7.27	0.08	0.00	0.08	0.00	0.34	0.02	2.43	2.78	0.00	0.00	0.00	0.	0.00
49	50.700	30.00	0.00	0.00	0.00	7.27	0.08	0.00	0.08	0.00	0.32	0.02	2.43	2.77	0.00	0.00	0.00	0.	0.00
50	50.600	30.00	0.00	0.00	0.00	7.27	0.08	0.00	0.08	0.00	0.30	0.02	2.44	2.75	0.00	0.00	0.00	0.	0.00
51	50.500	30.00	0.00	0.00	0.00	7.27	0.08	0.00	0.08	0.00	0.28	0.02	2.44	2.74	0.00	0.00	0.00	0.	0.00
52	50.400	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.26	0.02	2.44	2.72	0.00	0.00	0.00	0.	0.00
53	50.300	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.25	0.01	2.44	2.71	0.00	0.00	0.00	0.	0.00
54	50.200	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.24	0.01	2.44	2.69	0.00	0.00	0.00	0.	0.00
55	50.100	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.23	0.01	2.44	2.68	0.00	0.00	0.00	0.	0.00
56	50.000	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.22	0.01	2.44	2.67	0.00	0.00	0.00	0.	0.00
57	49.900	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.21	0.01	2.43	2.65	0.00	0.00	0.00	0.	0.00
58	49.800	30.00	0.00	0.00	0.00	7.28	0.08	0.00	0.08	0.00	0.20	0.01	2.43	2.64	0.00	0.00	0.00	0.	0.00
59	49.700	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.19	0.01	2.43	2.63	0.00	0.00	0.00	0.	0.00
60	49.600	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.18	0.01	2.42	2.61	0.00	0.00	0.00	0.	0.00
61	49.500	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.17	0.01	2.42	2.60	0.00	0.00	0.00	0.	0.00
62	49.400	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.17	0.01	2.41	2.59	0.00	0.00	0.00	0.	0.00
63	49.300	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.16	0.01	2.40	2.58	0.00	0.00	0.00	0.	0.00
64	49.200	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.16	0.01	2.40	2.56	0.00	0.00	0.00	0.	0.00
65	49.100	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.15	0.01	2.39	2.55	0.00	0.00	0.00	0.	0.00
66	49.000	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.15	0.01	2.38	2.54	0.00	0.00	0.00	0.	0.00
67	48.900	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.38	2.53	0.00	0.00	0.00	0.	0.00
68	48.800	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.37	2.52	0.00	0.00	0.00	0.	0.00
69	48.700	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.14	0.01	2.36	2.50	0.00	0.00	0.00	0.	0.00
70	48.600	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.35	2.49	0.00	0.00	0.00	0.	0.00
71	48.500	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.34	2.48	0.00	0.00	0.00	0.	0.00
72	48.400	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.34	2.47	0.00	0.00	0.00	0.	0.00
73	48.300	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.13	0.01	2.33	2.46	0.00	0.00	0.00	0.	0.00
74	48.200	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.32	2.45	0.00	0.00	0.00	0.	0.00
75	48.100	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.31	2.44	0.00	0.00	0.00	0.	0.00
76	48.000	30.00	0.00	0.00	0.00	7.29	0.08	0.00	0.08	0.00	0.12	0.01	2.30	2.43	0.00	0.00	0.00	0.	0.00
77	47.900	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.12	0.01	2.30	2.42	0.00	0.00	0.00	0.	0.00
78	47.800	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.12	0.01	2.29	2.41	0.00	0.00	0.00	0.	0.00
79	47.700	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.28	2.40	0.00	0.00	0.00	0.	0.00
80	47.600	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.27	2.39	0.00	0.00	0.00	0.	0.00
81	47.500	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.26	2.38	0.00	0.00	0.00	0.	0.00
82	47.400	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.25	2.37	0.00	0.00	0.00	0.	0.00
83	47.300	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.25	2.36	0.00	0.00	0.00	0.	0.00
84	47.200	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.24	2.35	0.00	0.00	0.00	0.	0.00
85	47.100	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.23	2.34	0.00	0.00	0.00	0.	0.00
86	47.000	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.22	2.34	0.00	0.00	0.00	0.	0.00
87	46.900	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.11	0.01	2.21	2.33	0.00	0.00	0.00	0.	0.00
88	46.800	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.21	2.32	0.00	0.00	0.00	0.	0.00
89	46.700	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.20	2.31	0.00	0.00	0.00	0.	0.00

90	46.600	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.19	2.30	0.00	0.00	0.00	0.	0.00
91	46.500	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.18	2.29	0.00	0.00	0.00	0.	0.00
92	46.400	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.18	2.28	0.00	0.00	0.00	0.	0.00
93	46.300	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.17	2.28	0.00	0.00	0.00	0.	0.00
94	46.200	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.16	2.27	0.00	0.00	0.00	0.	0.00
95	46.100	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.15	2.26	0.00	0.00	0.00	0.	0.00
96	46.000	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.15	2.25	0.00	0.00	0.00	0.	0.00
97	45.900	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.14	2.24	0.00	0.00	0.00	0.	0.00
98	45.800	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.13	2.24	0.00	0.00	0.00	0.	0.00
99	45.700	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.12	2.23	0.00	0.00	0.00	0.	0.00
100	45.600	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.12	2.22	0.00	0.00	0.00	0.	0.00
101	45.500	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.11	2.21	0.00	0.00	0.00	0.	0.00
102	45.400	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.10	2.21	0.00	0.00	0.00	0.	0.00
103	45.300	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.10	2.20	0.00	0.00	0.00	0.	0.00
104	45.200	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.09	2.19	0.00	0.00	0.00	0.	0.00
105	45.100	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.08	2.19	0.00	0.00	0.00	0.	0.00
106	45.000	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.08	2.18	0.00	0.00	0.00	0.	0.00
107	44.900	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.07	2.17	0.00	0.00	0.00	0.	0.00
108	44.800	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.06	2.17	0.00	0.00	0.00	0.	0.00
109	44.700	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.06	2.16	0.00	0.00	0.00	0.	0.00
110	44.600	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.05	2.15	0.00	0.00	0.00	0.	0.00
111	44.500	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.04	2.15	0.00	0.00	0.00	0.	0.00
112	44.400	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.04	2.14	0.00	0.00	0.00	0.	0.00
113	44.300	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.03	2.13	0.00	0.00	0.00	0.	0.00
114	44.200	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.02	2.13	0.00	0.00	0.00	0.	0.00
115	44.100	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.02	2.12	0.00	0.00	0.00	0.	0.00
116	44.000	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.01	2.11	0.00	0.00	0.00	0.	0.00
117	43.900	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.01	2.11	0.00	0.00	0.00	0.	0.00
118	43.800	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	2.00	2.10	0.00	0.00	0.00	0.	0.00
119	43.700	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.99	2.10	0.00	0.00	0.00	0.	0.00
120	43.600	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.99	2.09	0.00	0.00	0.00	0.	0.00
121	43.500	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.98	2.08	0.00	0.00	0.00	0.	0.00
122	43.400	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.10	0.01	1.98	2.08	0.00	0.00	0.00	0.	0.00
123	43.300	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.97	2.07	0.00	0.00	0.00	0.	0.00
124	43.200	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.97	2.07	0.00	0.00	0.00	0.	0.00
125	43.100	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.96	2.06	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 5 Choctaw Bayou #1 TMDL Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW	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	PHOS µg/L	CHL A	COLI #/100mL	NCM
229	UPR RCH	0.00563	30.00	0.00	0.00	0.00	7.30	0.08	0.00	0.08	0.00	0.09	0.01	1.96	0.00	0.00	0.00	0.00
229	TRIB	1.65139	30.00	0.00	0.00	0.00	6.70	11.23	0.00	11.23	0.00	0.80	1.16	2.10	0.00	0.00	0.00	0.00
230	WSTLD	0.00283	30.00	0.00	0.00	0.00	5.00	2.50	0.00	2.50	0.00	0.30	0.10	1.00	0.00	0.00	0.00	0.00
271	WSTLD	0.00027	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	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
229	43.10	43.00	1.65702	99.3	0.02031	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020

230	43.00	42.90	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
231	42.90	42.80	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
232	42.80	42.70	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
233	42.70	42.60	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
234	42.60	42.50	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
235	42.50	42.40	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
236	42.40	42.30	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
237	42.30	42.20	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
238	42.20	42.10	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
239	42.10	42.00	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
240	42.00	41.90	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
241	41.90	41.80	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
242	41.80	41.70	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
243	41.70	41.60	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
244	41.60	41.50	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
245	41.50	41.40	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
246	41.40	41.30	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
247	41.30	41.20	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
248	41.20	41.10	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
249	41.10	41.00	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
250	41.00	40.90	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
251	40.90	40.80	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
252	40.80	40.70	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
253	40.70	40.60	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
254	40.60	40.50	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
255	40.50	40.40	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
256	40.40	40.30	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
257	40.30	40.20	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
258	40.20	40.10	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
259	40.10	40.00	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
260	40.00	39.90	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
261	39.90	39.80	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
262	39.80	39.70	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
263	39.70	39.60	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
264	39.60	39.50	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
265	39.50	39.40	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
266	39.40	39.30	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
267	39.30	39.20	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
268	39.20	39.10	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
269	39.10	39.00	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
270	39.00	38.90	1.65985	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
271	38.90	38.80	1.66012	99.3	0.02034	0.06	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.020
TOT					2.45			350880.03	146200.00						
AVG				0.0203			2.40	34.00			81.60				
CUM					274.61										

********** 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	
229	43.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00

230	42.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
231	42.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
232	42.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
233	42.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
234	42.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
235	42.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
236	42.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
237	42.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
238	42.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
239	42.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
240	41.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
241	41.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
242	41.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
243	41.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
244	41.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
245	41.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
246	41.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
247	41.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
248	41.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
249	41.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
250	40.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
251	40.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
252	40.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
253	40.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
254	40.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
255	40.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
256	40.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.41	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00
257	40.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00
258	40.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
259	40.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.77	0.00	0.00	0.00	0.00
260	39.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	3.89	0.00	0.00	0.00	0.00
261	39.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
262	39.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
263	39.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00
264	39.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
265	39.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.49	0.00	0.00	0.00	0.00
266	39.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00
267	39.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
268	39.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
269	39.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	4.98	0.00	0.00	0.00	0.00
270	38.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
271	38.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.44	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.29	0.11	0.00	0.00	0.00	0.00	0.00	0.10			0.02	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
229	43.000	30.00	0.00	0.00	0.00	6.50	11.08	0.00	11.08	0.00	0.80	1.13	2.12	4.05	0.00	1.53	0.00	0.	0.00
230	42.900	30.00	0.00	0.00	0.00	6.31	10.96	0.00	10.96	0.00	0.80	1.10	2.15	4.05	0.00	3.07	0.00	0.	0.00
231	42.800	30.00	0.00	0.00	0.00	6.13	10.85	0.00	10.85	0.00	0.80	1.08	2.17	4.05	0.00	4.60	0.00	0.	0.00

232	42.700	30.00	0.00	0.00	0.00	5.97	10.75	0.00	10.75	0.00	0.80	1.05	2.20	4.05	0.00	6.14	0.00	0.	0.00
233	42.600	30.00	0.00	0.00	0.00	5.82	10.64	0.00	10.64	0.00	0.79	1.03	2.22	4.05	0.00	7.67	0.00	0.	0.00
234	42.500	30.00	0.00	0.00	0.00	5.69	10.54	0.00	10.54	0.00	0.79	1.01	2.24	4.04	0.00	9.21	0.00	0.	0.00
235	42.400	30.00	0.00	0.00	0.00	5.57	10.43	0.00	10.43	0.00	0.79	0.99	2.26	4.04	0.00	10.74	0.00	0.	0.00
236	42.300	30.00	0.00	0.00	0.00	5.46	10.33	0.00	10.33	0.00	0.79	0.96	2.28	4.04	0.00	12.28	0.00	0.	0.00
237	42.200	30.00	0.00	0.00	0.00	5.37	10.23	0.00	10.23	0.00	0.79	0.94	2.30	4.03	0.00	13.81	0.00	0.	0.00
238	42.100	30.00	0.00	0.00	0.00	5.28	10.13	0.00	10.13	0.00	0.79	0.92	2.32	4.03	0.00	15.35	0.00	0.	0.00
239	42.000	30.00	0.00	0.00	0.00	5.21	10.03	0.00	10.03	0.00	0.79	0.90	2.34	4.03	0.00	16.88	0.00	0.	0.00
240	41.900	30.00	0.00	0.00	0.00	5.15	9.93	0.00	9.93	0.00	0.79	0.88	2.35	4.02	0.00	18.42	0.00	0.	0.00
241	41.800	30.00	0.00	0.00	0.00	5.10	9.83	0.00	9.83	0.00	0.79	0.86	2.37	4.02	0.00	19.95	0.00	0.	0.00
242	41.700	30.00	0.00	0.00	0.00	5.06	9.74	0.00	9.74	0.00	0.78	0.85	2.38	4.01	0.00	21.49	0.00	0.	0.00
243	41.600	30.00	0.00	0.00	0.00	5.03	9.64	0.00	9.64	0.00	0.78	0.83	2.40	4.01	0.00	23.02	0.00	0.	0.00
244	41.500	30.00	0.00	0.00	0.00	5.01	9.55	0.00	9.55	0.00	0.78	0.81	2.41	4.00	0.00	24.56	0.00	0.	0.00
245	41.400	30.00	0.00	0.00	0.00	5.00	9.45	0.00	9.45	0.00	0.78	0.79	2.42	4.00	0.00	26.09	0.00	0.	0.00
246	41.300	30.00	0.00	0.00	0.00	5.00	9.36	0.00	9.36	0.00	0.78	0.78	2.44	3.99	0.00	27.63	0.00	0.	0.00
247	41.200	30.00	0.00	0.00	0.00	5.01	9.27	0.00	9.27	0.00	0.78	0.76	2.45	3.98	0.00	29.16	0.00	0.	0.00
248	41.100	30.00	0.00	0.00	0.00	5.03	9.18	0.00	9.18	0.00	0.78	0.74	2.46	3.98	0.00	30.70	0.00	0.	0.00
249	41.000	30.00	0.00	0.00	0.00	5.06	9.09	0.00	9.09	0.00	0.78	0.73	2.47	3.97	0.00	32.23	0.00	0.	0.00
250	40.900	30.00	0.00	0.00	0.00	5.10	9.00	0.00	9.00	0.00	0.78	0.71	2.48	3.96	0.00	33.77	0.00	0.	0.00
251	40.800	30.00	0.00	0.00	0.00	5.14	8.91	0.00	8.91	0.00	0.77	0.70	2.48	3.95	0.00	35.30	0.00	0.	0.00
252	40.700	30.00	0.00	0.00	0.00	5.19	8.82	0.00	8.82	0.00	0.77	0.68	2.49	3.95	0.00	36.84	0.00	0.	0.00
253	40.600	30.00	0.00	0.00	0.00	5.25	8.74	0.00	8.74	0.00	0.77	0.67	2.50	3.94	0.00	38.37	0.00	0.	0.00
254	40.500	30.00	0.00	0.00	0.00	5.32	8.65	0.00	8.65	0.00	0.77	0.65	2.50	3.93	0.00	39.91	0.00	0.	0.00
255	40.400	30.00	0.00	0.00	0.00	5.40	8.57	0.00	8.57	0.00	0.77	0.64	2.51	3.92	0.00	41.44	0.00	0.	0.00
256	40.300	30.00	0.00	0.00	0.00	5.48	8.48	0.00	8.48	0.00	0.77	0.63	2.52	3.91	0.00	42.98	0.00	0.	0.00
257	40.200	30.00	0.00	0.00	0.00	5.57	8.40	0.00	8.40	0.00	0.77	0.61	2.52	3.90	0.00	44.51	0.00	0.	0.00
258	40.100	30.00	0.00	0.00	0.00	5.67	8.32	0.00	8.32	0.00	0.77	0.60	2.52	3.89	0.00	46.05	0.00	0.	0.00
259	40.000	30.00	0.00	0.00	0.00	5.77	8.23	0.00	8.23	0.00	0.77	0.59	2.53	3.88	0.00	47.58	0.00	0.	0.00
260	39.900	30.00	0.00	0.00	0.00	5.88	8.15	0.00	8.15	0.00	0.76	0.57	2.53	3.87	0.00	49.12	0.00	0.	0.00
261	39.800	30.00	0.00	0.00	0.00	6.00	8.07	0.00	8.07	0.00	0.76	0.56	2.53	3.86	0.00	50.65	0.00	0.	0.00
262	39.700	30.00	0.00	0.00	0.00	6.12	7.99	0.00	7.99	0.00	0.76	0.55	2.53	3.84	0.00	52.19	0.00	0.	0.00
263	39.600	30.00	0.00	0.00	0.00	6.25	7.92	0.00	7.92	0.00	0.76	0.54	2.53	3.83	0.00	53.72	0.00	0.	0.00
264	39.500	30.00	0.00	0.00	0.00	6.38	7.84	0.00	7.84	0.00	0.76	0.53	2.53	3.82	0.00	55.26	0.00	0.	0.00
265	39.400	30.00	0.00	0.00	0.00	6.53	7.76	0.00	7.76	0.00	0.76	0.51	2.53	3.81	0.00	56.79	0.00	0.	0.00
266	39.300	30.00	0.00	0.00	0.00	6.67	7.68	0.00	7.68	0.00	0.76	0.50	2.53	3.79	0.00	58.33	0.00	0.	0.00
267	39.200	30.00	0.00	0.00	0.00	6.82	7.61	0.00	7.61	0.00	0.76	0.49	2.53	3.78	0.00	59.86	0.00	0.	0.00
268	39.100	30.00	0.00	0.00	0.00	6.98	7.53	0.00	7.53	0.00	0.76	0.48	2.53	3.77	0.00	61.40	0.00	0.	0.00
269	39.000	30.00	0.00	0.00	0.00	7.14	7.46	0.00	7.46	0.00	0.76	0.47	2.53	3.75	0.00	62.93	0.00	0.	0.00
270	38.900	30.00	0.00	0.00	0.00	7.31	7.39	0.00	7.39	0.00	0.75	0.46	2.52	3.74	0.00	64.47	0.00	0.	0.00
271	38.800	30.00	0.00	0.00	0.00	7.49	7.33	0.00	7.33	0.00	0.75	0.45	2.52	3.73	0.00	66.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 8 Choctaw Bayou #2 TMDL Simulation for Upper Terrebonne 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
347	UPR RCH	1.66012	30.00	0.00	0.00	0.00	7.49	7.33	0.00	7.33	0.00	0.75	0.45	2.52	0.00	66.00	0.00	0.00
347	TRIB	0.01201	30.00	0.00	0.00	0.00	7.76	2.45	0.00	2.45	0.00	0.94	0.06	0.15	0.00	66.00	0.00	0.00
366	WSTLD	0.00283	30.00	0.00	0.00	0.00	5.00	1.10	0.00	1.10	0.00	0.40	1.50	0.10	0.00	0.00	0.00	0.00
367	WSTLD	0.02537	30.00	0.00	0.00	0.00	5.00	65.80	0.00	65.80	0.00	4.80	9.54	0.10	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 VELO	MEAN
	km	km	m³/s	m/s	days	m	m	m³	m²	m²	m³	m/s	m²/s	m/s	
347	38.80	38.70	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
348	38.70	38.60	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
349	38.60	38.50	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
350	38.50	38.40	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
351	38.40	38.30	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
352	38.30	38.20	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
353	38.20	38.10	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
354	38.10	38.00	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
355	38.00	37.90	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
356	37.90	37.80	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
357	37.80	37.70	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
358	37.70	37.60	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
359	37.60	37.50	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
360	37.50	37.40	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
361	37.40	37.30	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
362	37.30	37.20	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
363	37.20	37.10	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
364	37.10	37.00	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
365	37.00	36.90	1.67213	98.8	0.01271	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
366	36.90	36.80	1.67496	98.8	0.01273	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
367	36.80	36.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
368	36.70	36.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
369	36.60	36.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
370	36.50	36.40	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
371	36.40	36.30	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
372	36.30	36.20	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
373	36.20	36.10	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
374	36.10	36.00	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
375	36.00	35.90	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
376	35.90	35.80	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
377	35.80	35.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
378	35.70	35.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
379	35.60	35.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
380	35.50	35.40	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
381	35.40	35.30	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
382	35.30	35.20	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
383	35.20	35.10	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
384	35.10	35.00	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
385	35.00	34.90	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
386	34.90	34.80	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
387	34.80	34.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
388	34.70	34.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
389	34.60	34.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
390	34.50	34.40	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
391	34.40	34.30	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
392	34.30	34.20	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
393	34.20	34.10	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013

394	34.10	34.00	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
395	34.00	33.90	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
396	33.90	33.80	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
397	33.80	33.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
398	33.70	33.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
399	33.60	33.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
400	33.50	33.40	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
401	33.40	33.30	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
402	33.30	33.20	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
403	33.20	33.10	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
404	33.10	33.00	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
405	33.00	32.90	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
406	32.90	32.80	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
407	32.80	32.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
408	32.70	32.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
409	32.60	32.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
410	32.50	32.40	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
411	32.40	32.30	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
412	32.30	32.20	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
413	32.20	32.10	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
414	32.10	32.00	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
415	32.00	31.90	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
416	31.90	31.80	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
417	31.80	31.70	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
418	31.70	31.60	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
419	31.60	31.50	1.70033	98.8	0.01292	0.09	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.013
TOT					6.57			960679.94	343100.00						
AVG				0.0129			2.80	47.00			131.60				
CUM					281.17										

********** 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			
347	38.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.15	0.00	0.00	0.00	0.00	
348	38.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00	
349	38.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.01	0.00	0.00	0.00	0.00	
350	38.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00	
351	38.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.87	0.00	0.00	0.00	0.00	
352	38.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.79	0.00	0.00	0.00	0.00	
353	38.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.72	0.00	0.00	0.00	0.00	
354	38.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00	
355	37.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.58	0.00	0.00	0.00	0.00	
356	37.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00	
357	37.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00	
358	37.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00	
359	37.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.00	
360	37.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.00	
361	37.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00	
362	37.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.08	0.00	0.00	0.00	0.00	
363	37.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00	

364	37.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.94	0.00	0.00	0.00	0.00
365	36.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
366	36.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00
367	36.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
368	36.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
369	36.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
370	36.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
371	36.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
372	36.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
373	36.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
374	36.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.22	0.00	0.00	0.00	0.00
375	35.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.15	0.00	0.00	0.00	0.00
376	35.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
377	35.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
378	35.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
379	35.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
380	35.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
381	35.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
382	35.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
383	35.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
384	35.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00
385	34.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
386	34.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
387	34.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
388	34.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
389	34.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
390	34.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
391	34.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
392	34.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
393	34.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
394	34.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
395	33.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
396	33.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
397	33.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
398	33.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
399	33.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
400	33.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
401	33.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
402	33.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
403	33.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
404	33.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
405	32.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
406	32.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
407	32.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
408	32.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00
409	32.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
410	32.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00
411	32.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
412	32.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
413	32.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00

414	32.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
415	31.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
416	31.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
417	31.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
418	31.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
419	31.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.25	0.11	0.00	0.00	0.00	0.00	0.00	1.00			0.02	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
347	38.700	30.00	0.00	0.00	0.00	7.70	7.22	0.00	7.22	0.00	0.75	0.43	2.50	3.68	0.00	65.10	0.00	0.	0.00
348	38.600	30.00	0.00	0.00	0.00	7.91	7.15	0.00	7.15	0.00	0.75	0.42	2.49	3.66	0.00	64.19	0.00	0.	0.00
349	38.500	30.00	0.00	0.00	0.00	8.11	7.08	0.00	7.08	0.00	0.75	0.40	2.48	3.64	0.00	63.29	0.00	0.	0.00
350	38.400	30.00	0.00	0.00	0.00	8.30	7.01	0.00	7.01	0.00	0.75	0.39	2.48	3.62	0.00	62.38	0.00	0.	0.00
351	38.300	30.00	0.00	0.00	0.00	8.48	6.94	0.00	6.94	0.00	0.75	0.38	2.47	3.59	0.00	61.48	0.00	0.	0.00
352	38.200	30.00	0.00	0.00	0.00	8.65	6.88	0.00	6.88	0.00	0.75	0.36	2.46	3.57	0.00	60.58	0.00	0.	0.00
353	38.100	30.00	0.00	0.00	0.00	8.82	6.81	0.00	6.81	0.00	0.74	0.35	2.45	3.55	0.00	59.67	0.00	0.	0.00
354	38.000	30.00	0.00	0.00	0.00	8.98	6.75	0.00	6.75	0.00	0.74	0.34	2.45	3.53	0.00	58.77	0.00	0.	0.00
355	37.900	30.00	0.00	0.00	0.00	9.13	6.68	0.00	6.68	0.00	0.74	0.33	2.44	3.51	0.00	57.86	0.00	0.	0.00
356	37.800	30.00	0.00	0.00	0.00	9.27	6.62	0.00	6.62	0.00	0.74	0.32	2.43	3.49	0.00	56.96	0.00	0.	0.00
357	37.700	30.00	0.00	0.00	0.00	9.40	6.56	0.00	6.56	0.00	0.74	0.31	2.42	3.47	0.00	56.05	0.00	0.	0.00
358	37.600	30.00	0.00	0.00	0.00	9.53	6.50	0.00	6.50	0.00	0.74	0.30	2.42	3.45	0.00	55.15	0.00	0.	0.00
359	37.500	30.00	0.00	0.00	0.00	9.65	6.44	0.00	6.44	0.00	0.73	0.29	2.41	3.43	0.00	54.25	0.00	0.	0.00
360	37.400	30.00	0.00	0.00	0.00	9.77	6.38	0.00	6.38	0.00	0.73	0.28	2.40	3.41	0.00	53.34	0.00	0.	0.00
361	37.300	30.00	0.00	0.00	0.00	9.87	6.32	0.00	6.32	0.00	0.73	0.27	2.39	3.39	0.00	52.44	0.00	0.	0.00
362	37.200	30.00	0.00	0.00	0.00	9.97	6.27	0.00	6.27	0.00	0.73	0.26	2.38	3.37	0.00	51.53	0.00	0.	0.00
363	37.100	30.00	0.00	0.00	0.00	10.07	6.21	0.00	6.21	0.00	0.73	0.25	2.37	3.35	0.00	50.63	0.00	0.	0.00
364	37.000	30.00	0.00	0.00	0.00	10.15	6.16	0.00	6.16	0.00	0.73	0.24	2.37	3.33	0.00	49.73	0.00	0.	0.00
365	36.900	30.00	0.00	0.00	0.00	10.23	6.10	0.00	6.10	0.00	0.72	0.23	2.36	3.32	0.00	48.82	0.00	0.	0.00
366	36.800	30.00	0.00	0.00	0.00	10.30	6.04	0.00	6.04	0.00	0.72	0.23	2.35	3.30	0.00	47.92	0.00	0.	0.00
367	36.700	30.00	0.00	0.00	0.00	10.25	6.87	0.00	6.87	0.00	0.78	0.36	2.31	3.45	0.00	47.01	0.00	0.	0.00
368	36.600	30.00	0.00	0.00	0.00	10.28	6.80	0.00	6.80	0.00	0.78	0.34	2.31	3.43	0.00	46.11	0.00	0.	0.00
369	36.500	30.00	0.00	0.00	0.00	10.31	6.74	0.00	6.74	0.00	0.78	0.33	2.30	3.41	0.00	45.21	0.00	0.	0.00
370	36.400	30.00	0.00	0.00	0.00	10.33	6.68	0.00	6.68	0.00	0.78	0.32	2.30	3.40	0.00	44.30	0.00	0.	0.00
371	36.300	30.00	0.00	0.00	0.00	10.34	6.62	0.00	6.62	0.00	0.77	0.31	2.30	3.38	0.00	43.40	0.00	0.	0.00
372	36.200	30.00	0.00	0.00	0.00	10.36	6.56	0.00	6.56	0.00	0.77	0.30	2.30	3.37	0.00	42.49	0.00	0.	0.00
373	36.100	30.00	0.00	0.00	0.00	10.36	6.50	0.00	6.50	0.00	0.77	0.29	2.29	3.35	0.00	41.59	0.00	0.	0.00
374	36.000	30.00	0.00	0.00	0.00	10.37	6.44	0.00	6.44	0.00	0.77	0.28	2.29	3.34	0.00	40.68	0.00	0.	0.00
375	35.900	30.00	0.00	0.00	0.00	10.37	6.38	0.00	6.38	0.00	0.77	0.27	2.29	3.33	0.00	39.78	0.00	0.	0.00
376	35.800	30.00	0.00	0.00	0.00	10.37	6.32	0.00	6.32	0.00	0.77	0.26	2.28	3.31	0.00	38.88	0.00	0.	0.00
377	35.700	30.00	0.00	0.00	0.00	10.36	6.27	0.00	6.27	0.00	0.76	0.26	2.28	3.30	0.00	37.97	0.00	0.	0.00
378	35.600	30.00	0.00	0.00	0.00	10.35	6.21	0.00	6.21	0.00	0.76	0.25	2.27	3.28	0.00	37.07	0.00	0.	0.00
379	35.500	30.00	0.00	0.00	0.00	10.33	6.16	0.00	6.16	0.00	0.76	0.24	2.27	3.27	0.00	36.16	0.00	0.	0.00
380	35.400	30.00	0.00	0.00	0.00	10.31	6.11	0.00	6.11	0.00	0.76	0.23	2.27	3.26	0.00	35.26	0.00	0.	0.00
381	35.300	30.00	0.00	0.00	0.00	10.29	6.05	0.00	6.05	0.00	0.76	0.22	2.26	3.25	0.00	34.36	0.00	0.	0.00
382	35.200	30.00	0.00	0.00	0.00	10.26	6.00	0.00	6.00	0.00	0.76	0.22	2.26	3.24	0.00	33.45	0.00	0.	0.00
383	35.100	30.00	0.00	0.00	0.00	10.23	5.95	0.00	5.95	0.00	0.75	0.21	2.26	3.22	0.00	32.55	0.00	0.	0.00
384	35.000	30.00	0.00	0.00	0.00	10.20	5.90	0.00	5.90	0.00	0.75	0.20	2.26	3.21	0.00	31.64	0.00	0.	0.00
385	34.900	30.00	0.00	0.00	0.00	10.16	5.85	0.00	5.85	0.00	0.75	0.20	2.25	3.20	0.00	30.74	0.00	0.	0.00

386	34.800	30.00	0.00	0.00	0.00	10.12	5.80	0.00	5.80	0.00	0.75	0.19	2.25	3.19	0.00	29.84	0.00	0.	0.00
387	34.700	30.00	0.00	0.00	0.00	10.08	5.75	0.00	5.75	0.00	0.75	0.19	2.25	3.18	0.00	28.93	0.00	0.	0.00
388	34.600	30.00	0.00	0.00	0.00	10.03	5.71	0.00	5.71	0.00	0.75	0.18	2.24	3.17	0.00	28.03	0.00	0.	0.00
389	34.500	30.00	0.00	0.00	0.00	9.98	5.66	0.00	5.66	0.00	0.74	0.18	2.24	3.16	0.00	27.12	0.00	0.	0.00
390	34.400	30.00	0.00	0.00	0.00	9.92	5.62	0.00	5.62	0.00	0.74	0.17	2.24	3.15	0.00	26.22	0.00	0.	0.00
391	34.300	30.00	0.00	0.00	0.00	9.86	5.57	0.00	5.57	0.00	0.74	0.17	2.24	3.14	0.00	25.32	0.00	0.	0.00
392	34.200	30.00	0.00	0.00	0.00	9.80	5.53	0.00	5.53	0.00	0.74	0.16	2.23	3.13	0.00	24.41	0.00	0.	0.00
393	34.100	30.00	0.00	0.00	0.00	9.74	5.48	0.00	5.48	0.00	0.74	0.16	2.23	3.13	0.00	23.51	0.00	0.	0.00
394	34.000	30.00	0.00	0.00	0.00	9.67	5.44	0.00	5.44	0.00	0.74	0.15	2.23	3.12	0.00	22.60	0.00	0.	0.00
395	33.900	30.00	0.00	0.00	0.00	9.60	5.40	0.00	5.40	0.00	0.73	0.15	2.23	3.11	0.00	21.70	0.00	0.	0.00
396	33.800	30.00	0.00	0.00	0.00	9.53	5.36	0.00	5.36	0.00	0.73	0.14	2.23	3.10	0.00	20.79	0.00	0.	0.00
397	33.700	30.00	0.00	0.00	0.00	9.45	5.32	0.00	5.32	0.00	0.73	0.14	2.22	3.10	0.00	19.89	0.00	0.	0.00
398	33.600	30.00	0.00	0.00	0.00	9.37	5.27	0.00	5.27	0.00	0.73	0.14	2.22	3.09	0.00	18.99	0.00	0.	0.00
399	33.500	30.00	0.00	0.00	0.00	9.29	5.24	0.00	5.24	0.00	0.73	0.13	2.22	3.08	0.00	18.08	0.00	0.	0.00
400	33.400	30.00	0.00	0.00	0.00	9.20	5.20	0.00	5.20	0.00	0.73	0.13	2.22	3.08	0.00	17.18	0.00	0.	0.00
401	33.300	30.00	0.00	0.00	0.00	9.11	5.16	0.00	5.16	0.00	0.73	0.13	2.22	3.07	0.00	16.27	0.00	0.	0.00
402	33.200	30.00	0.00	0.00	0.00	9.02	5.12	0.00	5.12	0.00	0.72	0.12	2.22	3.07	0.00	15.37	0.00	0.	0.00
403	33.100	30.00	0.00	0.00	0.00	8.93	5.08	0.00	5.08	0.00	0.72	0.12	2.22	3.06	0.00	14.47	0.00	0.	0.00
404	33.000	30.00	0.00	0.00	0.00	8.83	5.05	0.00	5.05	0.00	0.72	0.12	2.22	3.06	0.00	13.56	0.00	0.	0.00
405	32.900	30.00	0.00	0.00	0.00	8.73	5.01	0.00	5.01	0.00	0.72	0.11	2.22	3.05	0.00	12.66	0.00	0.	0.00
406	32.800	30.00	0.00	0.00	0.00	8.63	4.97	0.00	4.97	0.00	0.72	0.11	2.22	3.05	0.00	11.75	0.00	0.	0.00
407	32.700	30.00	0.00	0.00	0.00	8.53	4.94	0.00	4.94	0.00	0.72	0.11	2.22	3.04	0.00	10.85	0.00	0.	0.00
408	32.600	30.00	0.00	0.00	0.00	8.42	4.90	0.00	4.90	0.00	0.71	0.11	2.22	3.04	0.00	9.95	0.00	0.	0.00
409	32.500	30.00	0.00	0.00	0.00	8.31	4.87	0.00	4.87	0.00	0.71	0.10	2.22	3.04	0.00	9.04	0.00	0.	0.00
410	32.400	30.00	0.00	0.00	0.00	8.20	4.84	0.00	4.84	0.00	0.71	0.10	2.22	3.03	0.00	8.14	0.00	0.	0.00
411	32.300	30.00	0.00	0.00	0.00	8.08	4.80	0.00	4.80	0.00	0.71	0.10	2.22	3.03	0.00	7.23	0.00	0.	0.00
412	32.200	30.00	0.00	0.00	0.00	7.96	4.77	0.00	4.77	0.00	0.71	0.10	2.22	3.03	0.00	6.33	0.00	0.	0.00
413	32.100	30.00	0.00	0.00	0.00	7.85	4.74	0.00	4.74	0.00	0.71	0.09	2.23	3.03	0.00	5.42	0.00	0.	0.00
414	32.000	30.00	0.00	0.00	0.00	7.72	4.71	0.00	4.71	0.00	0.70	0.09	2.23	3.03	0.00	4.52	0.00	0.	0.00
415	31.900	30.00	0.00	0.00	0.00	7.60	4.68	0.00	4.68	0.00	0.70	0.09	2.23	3.02	0.00	3.62	0.00	0.	0.00
416	31.800	30.00	0.00	0.00	0.00	7.47	4.65	0.00	4.65	0.00	0.70	0.09	2.23	3.02	0.00	2.71	0.00	0.	0.00
417	31.700	30.00	0.00	0.00	0.00	7.35	4.62	0.00	4.62	0.00	0.70	0.09	2.24	3.02	0.00	1.81	0.00	0.	0.00
418	31.600	30.00	0.00	0.00	0.00	7.22	4.59	0.00	4.59	0.00	0.70	0.08	2.24	3.02	0.00	0.90	0.00	0.	0.00
419	31.500	30.00	0.00	0.00	0.00	7.08	4.56	0.00	4.56	0.00	0.70	0.08	2.24	3.02	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 10 Intracoastal Waterway #2 TMDL Simulation for Upper Terrebonne 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
554	UPR RCH	1.70033	30.00	0.00	0.00	0.00	7.08	4.56	0.00	4.56	0.00	0.70	0.08	2.24	0.00	0.00	0.00	0.00
554	TRIB	7.57963	30.00	0.00	0.00	0.00	6.28	0.58	0.00	0.58	0.00	0.31	0.04	1.81	0.00	0.00	0.00	0.00
566	WSTLD	0.00002	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	10.00	0.00	0.00	0.00	0.00
623	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
656	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
666	WSTLD	0.00568	30.00	0.00	0.00	0.00	5.00	35.00	0.00	35.00	0.00	2.50	5.07	10.00	0.00	0.00	0.00	0.00
674	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
678	WSTLD	0.00283	30.00	0.00	0.00	0.00	5.00	1.60	0.00	1.60	0.00	0.50	0.03	0.00	0.00	0.00	0.00	0.00
703	WSTLD	0.00005	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	1.70	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		
554	31.50	31.40	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
555	31.40	31.30	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
556	31.30	31.20	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
557	31.20	31.10	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
558	31.10	31.00	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
559	31.00	30.90	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
560	30.90	30.80	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
561	30.80	30.70	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
562	30.70	30.60	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
563	30.60	30.50	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
564	30.50	30.40	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
565	30.40	30.30	9.27996	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
566	30.30	30.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
567	30.20	30.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
568	30.10	30.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
569	30.00	29.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
570	29.90	29.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
571	29.80	29.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
572	29.70	29.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
573	29.60	29.50	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
574	29.50	29.40	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
575	29.40	29.30	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
576	29.30	29.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
577	29.20	29.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
578	29.10	29.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
579	29.00	28.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
580	28.90	28.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
581	28.80	28.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
582	28.70	28.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
583	28.60	28.50	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
584	28.50	28.40	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
585	28.40	28.30	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
586	28.30	28.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
587	28.20	28.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
588	28.10	28.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
589	28.00	27.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
590	27.90	27.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
591	27.80	27.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
592	27.70	27.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
593	27.60	27.50	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
594	27.50	27.40	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
595	27.40	27.30	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
596	27.30	27.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
597	27.20	27.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
598	27.10	27.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
599	27.00	26.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
600	26.90	26.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
601	26.80	26.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041

602	26.70	26.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
603	26.60	26.50	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
604	26.50	26.40	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
605	26.40	26.30	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
606	26.30	26.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
607	26.20	26.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
608	26.10	26.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
609	26.00	25.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
610	25.90	25.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
611	25.80	25.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
612	25.70	25.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
613	25.60	25.50	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
614	25.50	25.40	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
615	25.40	25.30	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
616	25.30	25.20	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
617	25.20	25.10	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
618	25.10	25.00	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
619	25.00	24.90	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
620	24.90	24.80	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
621	24.80	24.70	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
622	24.70	24.60	9.27998	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
623	24.60	24.50	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
624	24.50	24.40	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
625	24.40	24.30	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
626	24.30	24.20	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
627	24.20	24.10	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
628	24.10	24.00	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
629	24.00	23.90	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
630	23.90	23.80	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
631	23.80	23.70	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
632	23.70	23.60	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
633	23.60	23.50	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
634	23.50	23.40	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
635	23.40	23.30	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
636	23.30	23.20	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
637	23.20	23.10	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
638	23.10	23.00	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
639	23.00	22.90	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
640	22.90	22.80	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
641	22.80	22.70	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
642	22.70	22.60	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
643	22.60	22.50	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
644	22.50	22.40	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
645	22.40	22.30	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
646	22.30	22.20	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
647	22.20	22.10	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
648	22.10	22.00	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
649	22.00	21.90	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
650	21.90	21.80	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
651	21.80	21.70	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041

652	21.70	21.60	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
653	21.60	21.50	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
654	21.50	21.40	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
655	21.40	21.30	9.28008	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
656	21.30	21.20	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
657	21.20	21.10	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
658	21.10	21.00	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
659	21.00	20.90	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
660	20.90	20.80	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
661	20.80	20.70	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
662	20.70	20.60	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
663	20.60	20.50	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
664	20.50	20.40	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
665	20.40	20.30	9.28018	18.6	0.04070	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
666	20.30	20.20	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
667	20.20	20.10	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
668	20.10	20.00	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
669	20.00	19.90	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
670	19.90	19.80	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
671	19.80	19.70	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
672	19.70	19.60	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
673	19.60	19.50	9.28586	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
674	19.50	19.40	9.28596	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
675	19.40	19.30	9.28596	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
676	19.30	19.20	9.28596	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
677	19.20	19.10	9.28596	18.7	0.04073	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
678	19.10	19.00	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
679	19.00	18.90	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
680	18.90	18.80	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
681	18.80	18.70	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
682	18.70	18.60	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
683	18.60	18.50	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
684	18.50	18.40	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
685	18.40	18.30	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
686	18.30	18.20	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
687	18.20	18.10	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
688	18.10	18.00	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
689	18.00	17.90	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
690	17.90	17.80	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
691	17.80	17.70	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
692	17.70	17.60	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
693	17.60	17.50	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
694	17.50	17.40	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
695	17.40	17.30	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
696	17.30	17.20	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
697	17.20	17.10	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
698	17.10	17.00	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
699	17.00	16.90	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
700	16.90	16.80	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041
701	16.80	16.70	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041

702	16.70	16.60	9.28879	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
703	16.60	16.50	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
704	16.50	16.40	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
705	16.40	16.30	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
706	16.30	16.20	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
707	16.20	16.10	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
708	16.10	16.00	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
709	16.00	15.90	9.28884	18.7	0.04074	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.041						
TOT				4.43		3556800.00	1185600.00														
AVG			0.0407		3.00	76.00			228.00												
CUM				285.61																	

********** 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 **	DENIT SRCE **	PO4 PROD 1/da	ALG PROD 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
554	31.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
555	31.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
556	31.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557	31.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
558	31.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
559	30.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	30.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561	30.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
562	30.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
563	30.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
564	30.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
565	30.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566	30.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
567	30.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
568	30.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569	29.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
570	29.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
571	29.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572	29.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
573	29.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
574	29.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	29.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
576	29.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577	29.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
578	29.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
579	28.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
580	28.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
581	28.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582	28.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
583	28.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
584	28.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
585	28.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
586	28.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587	28.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
588	28.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

589	27.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
590	27.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591	27.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
592	27.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
593	27.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
594	27.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
595	27.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
596	27.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
597	27.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598	27.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599	26.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	26.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
601	26.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
602	26.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
603	26.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604	26.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	26.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
606	26.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
607	26.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608	26.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
609	25.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
610	25.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
611	25.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612	25.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
613	25.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
614	25.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
615	25.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
616	25.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
617	25.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
618	25.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
619	24.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
620	24.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
621	24.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
622	24.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
623	24.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
624	24.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
625	24.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
626	24.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
627	24.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
628	24.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
629	23.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	23.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
631	23.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
632	23.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
633	23.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
634	23.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	23.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
636	23.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
637	23.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
638	23.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

639	22.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
640	22.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
641	22.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
642	22.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
643	22.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
644	22.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
645	22.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
646	22.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
647	22.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
648	22.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
649	21.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
650	21.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
651	21.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
652	21.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
653	21.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
654	21.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
655	21.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
656	21.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
657	21.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
658	21.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
659	20.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	20.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
661	20.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
662	20.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
663	20.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
664	20.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	20.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
666	20.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
667	20.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
668	20.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
669	19.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	19.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
671	19.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
672	19.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
673	19.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
674	19.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
675	19.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
676	19.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677	19.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	19.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
679	18.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
680	18.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
681	18.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
682	18.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
683	18.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
684	18.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
685	18.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
686	18.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
687	18.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
688	18.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

689	17.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	17.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	17.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	17.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	17.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	17.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	17.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
696	17.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
697	17.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
698	17.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	16.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	16.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
701	16.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
702	16.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703	16.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
704	16.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
705	16.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706	16.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
707	16.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
708	16.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
709	15.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.23	0.13	0.00	0.00	0.00	0.00	0.00	1.00			0.02	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
554	31.400	30.00	0.00	0.00	0.00	6.41	1.30	0.00	1.30	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
555	31.300	30.00	0.00	0.00	0.00	6.39	1.30	0.00	1.30	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
556	31.200	30.00	0.00	0.00	0.00	6.37	1.29	0.00	1.29	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
557	31.100	30.00	0.00	0.00	0.00	6.36	1.28	0.00	1.28	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
558	31.000	30.00	0.00	0.00	0.00	6.34	1.28	0.00	1.28	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
559	30.900	30.00	0.00	0.00	0.00	6.32	1.27	0.00	1.27	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
560	30.800	30.00	0.00	0.00	0.00	6.30	1.26	0.00	1.26	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
561	30.700	30.00	0.00	0.00	0.00	6.29	1.26	0.00	1.26	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
562	30.600	30.00	0.00	0.00	0.00	6.27	1.25	0.00	1.25	0.00	0.38	0.05	1.89	2.32	0.00	0.00	0.00	0.	0.00
563	30.500	30.00	0.00	0.00	0.00	6.25	1.25	0.00	1.25	0.00	0.38	0.04	1.89	2.32	0.00	0.00	0.00	0.	0.00
564	30.400	30.00	0.00	0.00	0.00	6.23	1.24	0.00	1.24	0.00	0.38	0.04	1.89	2.32	0.00	0.00	0.00	0.	0.00
565	30.300	30.00	0.00	0.00	0.00	6.22	1.23	0.00	1.23	0.00	0.38	0.04	1.89	2.32	0.00	0.00	0.00	0.	0.00
566	30.200	30.00	0.00	0.00	0.00	6.20	1.23	0.00	1.23	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
567	30.100	30.00	0.00	0.00	0.00	6.19	1.22	0.00	1.22	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
568	30.000	30.00	0.00	0.00	0.00	6.17	1.22	0.00	1.22	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
569	29.900	30.00	0.00	0.00	0.00	6.15	1.21	0.00	1.21	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
570	29.800	30.00	0.00	0.00	0.00	6.14	1.20	0.00	1.20	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
571	29.700	30.00	0.00	0.00	0.00	6.12	1.20	0.00	1.20	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
572	29.600	30.00	0.00	0.00	0.00	6.11	1.19	0.00	1.19	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
573	29.500	30.00	0.00	0.00	0.00	6.09	1.19	0.00	1.19	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
574	29.400	30.00	0.00	0.00	0.00	6.08	1.18	0.00	1.18	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
575	29.300	30.00	0.00	0.00	0.00	6.06	1.17	0.00	1.17	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
576	29.200	30.00	0.00	0.00	0.00	6.05	1.17	0.00	1.17	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
577	29.100	30.00	0.00	0.00	0.00	6.03	1.16	0.00	1.16	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00

578	29.000	30.00	0.00	0.00	0.00	6.02	1.16	0.00	1.16	0.00	0.38	0.04	1.90	2.32	0.00	0.00	0.00	0.	0.00
579	28.900	30.00	0.00	0.00	0.00	6.00	1.15	0.00	1.15	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
580	28.800	30.00	0.00	0.00	0.00	5.99	1.15	0.00	1.15	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
581	28.700	30.00	0.00	0.00	0.00	5.98	1.14	0.00	1.14	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
582	28.600	30.00	0.00	0.00	0.00	5.96	1.14	0.00	1.14	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
583	28.500	30.00	0.00	0.00	0.00	5.95	1.13	0.00	1.13	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
584	28.400	30.00	0.00	0.00	0.00	5.93	1.12	0.00	1.12	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
585	28.300	30.00	0.00	0.00	0.00	5.92	1.12	0.00	1.12	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
586	28.200	30.00	0.00	0.00	0.00	5.91	1.11	0.00	1.11	0.00	0.38	0.04	1.90	2.33	0.00	0.00	0.00	0.	0.00
587	28.100	30.00	0.00	0.00	0.00	5.90	1.11	0.00	1.11	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
588	28.000	30.00	0.00	0.00	0.00	5.88	1.10	0.00	1.10	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
589	27.900	30.00	0.00	0.00	0.00	5.87	1.10	0.00	1.10	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
590	27.800	30.00	0.00	0.00	0.00	5.86	1.09	0.00	1.09	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
591	27.700	30.00	0.00	0.00	0.00	5.84	1.09	0.00	1.09	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
592	27.600	30.00	0.00	0.00	0.00	5.83	1.08	0.00	1.08	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
593	27.500	30.00	0.00	0.00	0.00	5.82	1.08	0.00	1.08	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
594	27.400	30.00	0.00	0.00	0.00	5.81	1.07	0.00	1.07	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
595	27.300	30.00	0.00	0.00	0.00	5.80	1.07	0.00	1.07	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
596	27.200	30.00	0.00	0.00	0.00	5.78	1.06	0.00	1.06	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
597	27.100	30.00	0.00	0.00	0.00	5.77	1.06	0.00	1.06	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
598	27.000	30.00	0.00	0.00	0.00	5.76	1.05	0.00	1.05	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
599	26.900	30.00	0.00	0.00	0.00	5.75	1.05	0.00	1.05	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
600	26.800	30.00	0.00	0.00	0.00	5.74	1.04	0.00	1.04	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
601	26.700	30.00	0.00	0.00	0.00	5.73	1.04	0.00	1.04	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
602	26.600	30.00	0.00	0.00	0.00	5.72	1.03	0.00	1.03	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
603	26.500	30.00	0.00	0.00	0.00	5.71	1.03	0.00	1.03	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
604	26.400	30.00	0.00	0.00	0.00	5.69	1.02	0.00	1.02	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
605	26.300	30.00	0.00	0.00	0.00	5.68	1.02	0.00	1.02	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
606	26.200	30.00	0.00	0.00	0.00	5.67	1.01	0.00	1.01	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
607	26.100	30.00	0.00	0.00	0.00	5.66	1.01	0.00	1.01	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
608	26.000	30.00	0.00	0.00	0.00	5.65	1.00	0.00	1.00	0.00	0.38	0.04	1.91	2.33	0.00	0.00	0.00	0.	0.00
609	25.900	30.00	0.00	0.00	0.00	5.64	1.00	0.00	1.00	0.00	0.38	0.04	1.92	2.33	0.00	0.00	0.00	0.	0.00
610	25.800	30.00	0.00	0.00	0.00	5.63	0.99	0.00	0.99	0.00	0.38	0.04	1.92	2.33	0.00	0.00	0.00	0.	0.00
611	25.700	30.00	0.00	0.00	0.00	5.62	0.99	0.00	0.99	0.00	0.38	0.04	1.92	2.33	0.00	0.00	0.00	0.	0.00
612	25.600	30.00	0.00	0.00	0.00	5.61	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
613	25.500	30.00	0.00	0.00	0.00	5.60	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
614	25.400	30.00	0.00	0.00	0.00	5.59	0.98	0.00	0.98	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
615	25.300	30.00	0.00	0.00	0.00	5.58	0.97	0.00	0.97	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
616	25.200	30.00	0.00	0.00	0.00	5.57	0.97	0.00	0.97	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
617	25.100	30.00	0.00	0.00	0.00	5.57	0.96	0.00	0.96	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
618	25.000	30.00	0.00	0.00	0.00	5.56	0.96	0.00	0.96	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
619	24.900	30.00	0.00	0.00	0.00	5.55	0.95	0.00	0.95	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
620	24.800	30.00	0.00	0.00	0.00	5.54	0.95	0.00	0.95	0.00	0.38	0.03	1.92	2.33	0.00	0.00	0.00	0.	0.00
621	24.700	30.00	0.00	0.00	0.00	5.53	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
622	24.600	30.00	0.00	0.00	0.00	5.52	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
623	24.500	30.00	0.00	0.00	0.00	5.51	0.94	0.00	0.94	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
624	24.400	30.00	0.00	0.00	0.00	5.50	0.93	0.00	0.93	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
625	24.300	30.00	0.00	0.00	0.00	5.50	0.93	0.00	0.93	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
626	24.200	30.00	0.00	0.00	0.00	5.49	0.92	0.00	0.92	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
627	24.100	30.00	0.00	0.00	0.00	5.48	0.92	0.00	0.92	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00

628	24.000	30.00	0.00	0.00	0.00	5.47	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
629	23.900	30.00	0.00	0.00	0.00	5.46	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
630	23.800	30.00	0.00	0.00	0.00	5.45	0.91	0.00	0.91	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
631	23.700	30.00	0.00	0.00	0.00	5.45	0.90	0.00	0.90	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
632	23.600	30.00	0.00	0.00	0.00	5.44	0.90	0.00	0.90	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
633	23.500	30.00	0.00	0.00	0.00	5.43	0.89	0.00	0.89	0.00	0.38	0.03	1.92	2.34	0.00	0.00	0.00	0.	0.00
634	23.400	30.00	0.00	0.00	0.00	5.42	0.89	0.00	0.89	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
635	23.300	30.00	0.00	0.00	0.00	5.42	0.89	0.00	0.89	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
636	23.200	30.00	0.00	0.00	0.00	5.41	0.88	0.00	0.88	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
637	23.100	30.00	0.00	0.00	0.00	5.40	0.88	0.00	0.88	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
638	23.000	30.00	0.00	0.00	0.00	5.39	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
639	22.900	30.00	0.00	0.00	0.00	5.39	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
640	22.800	30.00	0.00	0.00	0.00	5.38	0.87	0.00	0.87	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
641	22.700	30.00	0.00	0.00	0.00	5.37	0.86	0.00	0.86	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
642	22.600	30.00	0.00	0.00	0.00	5.37	0.86	0.00	0.86	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
643	22.500	30.00	0.00	0.00	0.00	5.36	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
644	22.400	30.00	0.00	0.00	0.00	5.35	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
645	22.300	30.00	0.00	0.00	0.00	5.35	0.85	0.00	0.85	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
646	22.200	30.00	0.00	0.00	0.00	5.34	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
647	22.100	30.00	0.00	0.00	0.00	5.33	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
648	22.000	30.00	0.00	0.00	0.00	5.33	0.84	0.00	0.84	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
649	21.900	30.00	0.00	0.00	0.00	5.32	0.83	0.00	0.83	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
650	21.800	30.00	0.00	0.00	0.00	5.31	0.83	0.00	0.83	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
651	21.700	30.00	0.00	0.00	0.00	5.31	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
652	21.600	30.00	0.00	0.00	0.00	5.30	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
653	21.500	30.00	0.00	0.00	0.00	5.30	0.82	0.00	0.82	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
654	21.400	30.00	0.00	0.00	0.00	5.29	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
655	21.300	30.00	0.00	0.00	0.00	5.28	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
656	21.200	30.00	0.00	0.00	0.00	5.28	0.81	0.00	0.81	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
657	21.100	30.00	0.00	0.00	0.00	5.27	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
658	21.000	30.00	0.00	0.00	0.00	5.27	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
659	20.900	30.00	0.00	0.00	0.00	5.26	0.80	0.00	0.80	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
660	20.800	30.00	0.00	0.00	0.00	5.25	0.79	0.00	0.79	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
661	20.700	30.00	0.00	0.00	0.00	5.25	0.79	0.00	0.79	0.00	0.38	0.03	1.93	2.34	0.00	0.00	0.00	0.	0.00
662	20.600	30.00	0.00	0.00	0.00	5.24	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.35	0.00	0.00	0.00	0.	0.00
663	20.500	30.00	0.00	0.00	0.00	5.24	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.00	0.00	0.	0.00
664	20.400	30.00	0.00	0.00	0.00	5.23	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.00	0.00	0.	0.00
665	20.300	30.00	0.00	0.00	0.00	5.23	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.35	0.00	0.00	0.00	0.	0.00
666	20.200	30.00	0.00	0.00	0.00	5.22	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
667	20.100	30.00	0.00	0.00	0.00	5.22	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
668	20.000	30.00	0.00	0.00	0.00	5.21	0.79	0.00	0.79	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
669	19.900	30.00	0.00	0.00	0.00	5.21	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
670	19.800	30.00	0.00	0.00	0.00	5.20	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
671	19.700	30.00	0.00	0.00	0.00	5.20	0.78	0.00	0.78	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
672	19.600	30.00	0.00	0.00	0.00	5.19	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
673	19.500	30.00	0.00	0.00	0.00	5.19	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
674	19.400	30.00	0.00	0.00	0.00	5.18	0.77	0.00	0.77	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
675	19.300	30.00	0.00	0.00	0.00	5.18	0.76	0.00	0.76	0.00	0.38	0.03	1.94	2.36	0.00	0.00	0.00	0.	0.00
676	19.200	30.00	0.00	0.00	0.00	5.17	0.76	0.00	0.76	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
677	19.100	30.00	0.00	0.00	0.00	5.17	0.76	0.00	0.76	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00

678	19.000	30.00	0.00	0.00	0.00	5.16	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
679	18.900	30.00	0.00	0.00	0.00	5.16	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
680	18.800	30.00	0.00	0.00	0.00	5.15	0.75	0.00	0.75	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
681	18.700	30.00	0.00	0.00	0.00	5.15	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
682	18.600	30.00	0.00	0.00	0.00	5.15	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
683	18.500	30.00	0.00	0.00	0.00	5.14	0.74	0.00	0.74	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
684	18.400	30.00	0.00	0.00	0.00	5.14	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
685	18.300	30.00	0.00	0.00	0.00	5.13	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
686	18.200	30.00	0.00	0.00	0.00	5.13	0.73	0.00	0.73	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
687	18.100	30.00	0.00	0.00	0.00	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
688	18.000	30.00	0.00	0.00	0.00	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
689	17.900	30.00	0.00	0.00	0.00	5.12	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
690	17.800	30.00	0.00	0.00	0.00	5.11	0.72	0.00	0.72	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
691	17.700	30.00	0.00	0.00	0.00	5.11	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
692	17.600	30.00	0.00	0.00	0.00	5.10	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
693	17.500	30.00	0.00	0.00	0.00	5.10	0.71	0.00	0.71	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
694	17.400	30.00	0.00	0.00	0.00	5.10	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
695	17.300	30.00	0.00	0.00	0.00	5.09	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
696	17.200	30.00	0.00	0.00	0.00	5.09	0.70	0.00	0.70	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
697	17.100	30.00	0.00	0.00	0.00	5.09	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
698	17.000	30.00	0.00	0.00	0.00	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
699	16.900	30.00	0.00	0.00	0.00	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
700	16.800	30.00	0.00	0.00	0.00	5.08	0.69	0.00	0.69	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
701	16.700	30.00	0.00	0.00	0.00	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
702	16.600	30.00	0.00	0.00	0.00	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
703	16.500	30.00	0.00	0.00	0.00	5.07	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
704	16.400	30.00	0.00	0.00	0.00	5.06	0.68	0.00	0.68	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
705	16.300	30.00	0.00	0.00	0.00	5.06	0.67	0.00	0.67	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
706	16.200	30.00	0.00	0.00	0.00	5.06	0.67	0.00	0.67	0.00	0.38	0.03	1.95	2.36	0.00	0.00	0.00	0.	0.00
707	16.100	30.00	0.00	0.00	0.00	5.05	0.67	0.00	0.67	0.00	0.38	0.03	1.96	2.36	0.00	0.00	0.00	0.	0.00
708	16.000	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.38	0.03	1.96	2.36	0.00	0.00	0.00	0.	0.00
709	15.900	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.38	0.03	1.96	2.37	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 12 Intracoastal Waterway #3 TMDL Simulation for Upper Terrebonne 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
829	UPR RCH	9.28884	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.38	0.03	1.96	0.00	0.00	0.00	0.00
829	TRIB	0.85743	30.00	0.00	0.00	0.00	5.26	8.35	0.00	8.35	0.00	1.71	0.17	1.47	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
829	15.90	15.80	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
830	15.80	15.70	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
831	15.70	15.60	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
832	15.60	15.50	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
833	15.50	15.40	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
834	15.40	15.30	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
835	15.30	15.20	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040

836	15.20	15.10	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
837	15.10	15.00	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
838	15.00	14.90	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
839	14.90	14.80	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
840	14.80	14.70	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
841	14.70	14.60	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
842	14.60	14.50	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
843	14.50	14.40	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
844	14.40	14.30	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
845	14.30	14.20	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
846	14.20	14.10	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
847	14.10	14.00	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
848	14.00	13.90	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
849	13.90	13.80	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
850	13.80	13.70	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
851	13.70	13.60	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
852	13.60	13.50	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
853	13.50	13.40	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
854	13.40	13.30	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
855	13.30	13.20	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
856	13.20	13.10	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
857	13.10	13.00	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
858	13.00	12.90	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
859	12.90	12.80	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
860	12.80	12.70	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
861	12.70	12.60	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
862	12.60	12.50	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
863	12.50	12.40	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
864	12.40	12.30	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
865	12.30	12.20	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
866	12.20	12.10	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
867	12.10	12.00	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
868	12.00	11.90	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
869	11.90	11.80	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
870	11.80	11.70	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
871	11.70	11.60	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
872	11.60	11.50	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
873	11.50	11.40	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
874	11.40	11.30	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
875	11.30	11.20	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
876	11.20	11.10	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
877	11.10	11.00	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
878	11.00	10.90	10.14627	18.0	0.03963	0.03	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.040
TOT					1.46			1280000.00	400000.00						
AVG					0.0396		3.20	80.00			256.00				
CUM					287.07										

********** 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 SOD *	BKGD SOD 1/da	FULL SOD 1/da	CORR SOD *	ORGN DECAY 1/da	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

829	15.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
830	15.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
831	15.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
832	15.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
833	15.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
834	15.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	15.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
836	15.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
837	15.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
838	14.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
839	14.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	14.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
841	14.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
842	14.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
843	14.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
844	14.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
845	14.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
846	14.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	14.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
848	13.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
849	13.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	13.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
851	13.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
852	13.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
853	13.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
854	13.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
855	13.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856	13.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857	13.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
858	12.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859	12.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	12.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861	12.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862	12.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
863	12.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864	12.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
865	12.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
866	12.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
867	12.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
868	11.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
869	11.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
870	11.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
871	11.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872	11.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
873	11.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
874	11.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
875	11.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
876	11.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
877	11.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878	10.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.22 0.20 0.00 0.00 0.00 0.00 0.00 0.50 0.02 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
829	15.800	30.00	0.00	0.00	0.00	5.06	1.30	0.00	1.30	0.00	0.49	0.04	1.91	2.45	0.00	0.00	0.00	0.	0.00
830	15.700	30.00	0.00	0.00	0.00	5.06	1.29	0.00	1.29	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
831	15.600	30.00	0.00	0.00	0.00	5.05	1.28	0.00	1.28	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
832	15.500	30.00	0.00	0.00	0.00	5.05	1.26	0.00	1.26	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
833	15.400	30.00	0.00	0.00	0.00	5.05	1.25	0.00	1.25	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
834	15.300	30.00	0.00	0.00	0.00	5.05	1.24	0.00	1.24	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
835	15.200	30.00	0.00	0.00	0.00	5.04	1.23	0.00	1.23	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
836	15.100	30.00	0.00	0.00	0.00	5.04	1.22	0.00	1.22	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
837	15.000	30.00	0.00	0.00	0.00	5.04	1.21	0.00	1.21	0.00	0.49	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
838	14.900	30.00	0.00	0.00	0.00	5.04	1.20	0.00	1.20	0.00	0.50	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
839	14.800	30.00	0.00	0.00	0.00	5.03	1.19	0.00	1.19	0.00	0.50	0.04	1.92	2.45	0.00	0.00	0.00	0.	0.00
840	14.700	30.00	0.00	0.00	0.00	5.03	1.17	0.00	1.17	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
841	14.600	30.00	0.00	0.00	0.00	5.03	1.16	0.00	1.16	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
842	14.500	30.00	0.00	0.00	0.00	5.03	1.15	0.00	1.15	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
843	14.400	30.00	0.00	0.00	0.00	5.03	1.14	0.00	1.14	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
844	14.300	30.00	0.00	0.00	0.00	5.02	1.13	0.00	1.13	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
845	14.200	30.00	0.00	0.00	0.00	5.02	1.12	0.00	1.12	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
846	14.100	30.00	0.00	0.00	0.00	5.02	1.11	0.00	1.11	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
847	14.000	30.00	0.00	0.00	0.00	5.02	1.10	0.00	1.10	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
848	13.900	30.00	0.00	0.00	0.00	5.02	1.09	0.00	1.09	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
849	13.800	30.00	0.00	0.00	0.00	5.02	1.08	0.00	1.08	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
850	13.700	30.00	0.00	0.00	0.00	5.02	1.07	0.00	1.07	0.00	0.50	0.04	1.92	2.46	0.00	0.00	0.00	0.	0.00
851	13.600	30.00	0.00	0.00	0.00	5.02	1.06	0.00	1.06	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
852	13.500	30.00	0.00	0.00	0.00	5.02	1.05	0.00	1.05	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
853	13.400	30.00	0.00	0.00	0.00	5.02	1.04	0.00	1.04	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
854	13.300	30.00	0.00	0.00	0.00	5.01	1.03	0.00	1.03	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
855	13.200	30.00	0.00	0.00	0.00	5.01	1.02	0.00	1.02	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
856	13.100	30.00	0.00	0.00	0.00	5.01	1.01	0.00	1.01	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
857	13.000	30.00	0.00	0.00	0.00	5.01	1.00	0.00	1.00	0.00	0.50	0.04	1.93	2.46	0.00	0.00	0.00	0.	0.00
858	12.900	30.00	0.00	0.00	0.00	5.01	1.00	0.00	1.00	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
859	12.800	30.00	0.00	0.00	0.00	5.01	0.99	0.00	0.99	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
860	12.700	30.00	0.00	0.00	0.00	5.01	0.98	0.00	0.98	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
861	12.600	30.00	0.00	0.00	0.00	5.01	0.97	0.00	0.97	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
862	12.500	30.00	0.00	0.00	0.00	5.01	0.96	0.00	0.96	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
863	12.400	30.00	0.00	0.00	0.00	5.01	0.95	0.00	0.95	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
864	12.300	30.00	0.00	0.00	0.00	5.01	0.94	0.00	0.94	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
865	12.200	30.00	0.00	0.00	0.00	5.02	0.93	0.00	0.93	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
866	12.100	30.00	0.00	0.00	0.00	5.02	0.92	0.00	0.92	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
867	12.000	30.00	0.00	0.00	0.00	5.02	0.92	0.00	0.92	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
868	11.900	30.00	0.00	0.00	0.00	5.02	0.91	0.00	0.91	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
869	11.800	30.00	0.00	0.00	0.00	5.02	0.90	0.00	0.90	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
870	11.700	30.00	0.00	0.00	0.00	5.02	0.89	0.00	0.89	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
871	11.600	30.00	0.00	0.00	0.00	5.02	0.88	0.00	0.88	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
872	11.500	30.00	0.00	0.00	0.00	5.02	0.87	0.00	0.87	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00
873	11.400	30.00	0.00	0.00	0.00	5.02	0.87	0.00	0.87	0.00	0.50	0.04	1.93	2.47	0.00	0.00	0.00	0.	0.00

874	11.300	30.00	0.00	0.00	0.00	5.02	0.86	0.00	0.86	0.00	0.50	0.04	1.94	2.47	0.00	0.00	0.00	0.	0.00
875	11.200	30.00	0.00	0.00	0.00	5.02	0.85	0.00	0.85	0.00	0.50	0.04	1.94	2.48	0.00	0.00	0.00	0.	0.00
876	11.100	30.00	0.00	0.00	0.00	5.03	0.84	0.00	0.84	0.00	0.50	0.04	1.94	2.48	0.00	0.00	0.00	0.	0.00
877	11.000	30.00	0.00	0.00	0.00	5.03	0.84	0.00	0.84	0.00	0.50	0.04	1.94	2.48	0.00	0.00	0.00	0.	0.00
878	10.900	30.00	0.00	0.00	0.00	5.03	0.83	0.00	0.83	0.00	0.50	0.04	1.94	2.48	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 16 Intracoastal Waterway #4 TMDL Simulation for Upper Terrebonne 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
1047	UPR RCH	10.14627	30.00	0.00	0.00	0.00	5.03	0.83	0.00	0.83	0.00	0.50	0.04	1.94	0.00	0.00	0.00	0.00
1047	TRIB	0.00849	30.00	0.00	0.00	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	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 m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO
1047	10.90	10.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1048	10.80	10.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1049	10.70	10.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1050	10.60	10.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1051	10.50	10.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1052	10.40	10.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1053	10.30	10.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1054	10.20	10.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1055	10.10	10.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1056	10.00	9.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1057	9.90	9.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1058	9.80	9.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1059	9.70	9.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1060	9.60	9.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1061	9.50	9.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1062	9.40	9.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1063	9.30	9.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1064	9.20	9.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1065	9.10	9.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1066	9.00	8.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1067	8.90	8.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1068	8.80	8.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1069	8.70	8.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1070	8.60	8.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1071	8.50	8.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1072	8.40	8.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1073	8.30	8.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1074	8.20	8.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1075	8.10	8.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1076	8.00	7.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1077	7.90	7.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1078	7.80	7.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1079	7.70	7.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1080	7.60	7.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058

1081	7.50	7.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1082	7.40	7.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1083	7.30	7.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1084	7.20	7.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1085	7.10	7.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1086	7.00	6.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1087	6.90	6.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1088	6.80	6.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1089	6.70	6.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1090	6.60	6.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1091	6.50	6.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1092	6.40	6.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1093	6.30	6.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1094	6.20	6.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1095	6.10	6.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1096	6.00	5.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1097	5.90	5.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1098	5.80	5.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1099	5.70	5.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1100	5.60	5.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1101	5.50	5.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1102	5.40	5.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1103	5.30	5.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1104	5.20	5.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1105	5.10	5.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1106	5.00	4.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1107	4.90	4.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1108	4.80	4.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1109	4.70	4.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1110	4.60	4.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1111	4.50	4.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1112	4.40	4.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1113	4.30	4.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1114	4.20	4.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1115	4.10	4.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1116	4.00	3.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1117	3.90	3.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1118	3.80	3.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1119	3.70	3.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1120	3.60	3.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1121	3.50	3.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1122	3.40	3.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1123	3.30	3.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1124	3.20	3.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1125	3.10	3.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1126	3.00	2.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1127	2.90	2.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1128	2.80	2.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1129	2.70	2.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1130	2.60	2.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058

1131	2.50	2.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1132	2.40	2.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1133	2.30	2.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1134	2.20	2.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1135	2.10	2.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1136	2.00	1.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1137	1.90	1.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1138	1.80	1.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1139	1.70	1.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1140	1.60	1.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1141	1.50	1.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1142	1.40	1.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1143	1.30	1.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1144	1.20	1.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1145	1.10	1.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1146	1.00	0.90	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1147	0.90	0.80	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1148	0.80	0.70	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1149	0.70	0.60	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1150	0.60	0.50	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1151	0.50	0.40	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1152	0.40	0.30	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1153	0.30	0.20	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1154	0.20	0.10	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
1155	0.10	0.00	10.15476	18.0	0.05803	0.02	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.058
TOT					2.17			1907500.00	763000.00						
AVG				0.0580			2.50	70.00			175.00				
CUM					289.25										

********** 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 SOD *	BKGD SOD *	FULL SOD 1/da	CORR DECAY *	ORGN SETT **	ORGN DECAY **	NH3 SRCE 1/da	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM	NCM SETT
1047	10.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1048	10.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1049	10.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1050	10.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1051	10.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1052	10.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1053	10.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1054	10.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1055	10.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1056	9.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1057	9.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1058	9.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1059	9.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1060	9.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1061	9.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1062	9.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1063	9.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1064	9.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1065	9.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1066	8.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1067	8.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1068	8.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1069	8.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1070	8.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1071	8.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1072	8.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1073	8.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1074	8.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1075	8.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1076	7.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1077	7.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1078	7.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1079	7.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1080	7.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1081	7.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1082	7.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1083	7.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1084	7.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1085	7.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1086	6.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1087	6.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1088	6.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1089	6.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1090	6.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1091	6.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1092	6.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1093	6.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1094	6.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1095	6.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1096	5.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1097	5.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1098	5.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1099	5.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100	5.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1101	5.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1102	5.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1103	5.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1104	5.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1105	5.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1106	4.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1107	4.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1108	4.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1109	4.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1110	4.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1111	4.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1112	4.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1113	4.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1114	4.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1115	4.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1116	3.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1117	3.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1118	3.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1119	3.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1120	3.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1121	3.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1122	3.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1123	3.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1124	3.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1125	3.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1126	2.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1127	2.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1128	2.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1129	2.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1130	2.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1131	2.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1132	2.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1133	2.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1134	2.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1135	2.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1136	1.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1137	1.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1138	1.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1139	1.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1140	1.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1141	1.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1142	1.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1143	1.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1144	1.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1145	1.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1146	0.900	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1147	0.800	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1148	0.700	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1149	0.600	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1150	0.500	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1151	0.400	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1152	0.300	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1153	0.200	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1154	0.100	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1155	0.000	7.56	0.34	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				0.28	0.20	0.00	0.00	0.00	0.00	0.00	0.70			0.02	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
1047	10.800	30.00	0.00	0.00	0.00	5.03	0.82	0.00	0.82	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1048	10.700	30.00	0.00	0.00	0.00	5.03	0.82	0.00	0.82	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1049	10.600	30.00	0.00	0.00	0.00	5.03	0.81	0.00	0.81	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1050	10.500	30.00	0.00	0.00	0.00	5.03	0.81	0.00	0.81	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00

1051	10.400	30.00	0.00	0.00	0.00	5.03	0.80	0.00	0.80	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1052	10.300	30.00	0.00	0.00	0.00	5.03	0.80	0.00	0.80	0.00	0.50	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1053	10.200	30.00	0.00	0.00	0.00	5.03	0.79	0.00	0.79	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1054	10.100	30.00	0.00	0.00	0.00	5.03	0.79	0.00	0.79	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1055	10.000	30.00	0.00	0.00	0.00	5.03	0.78	0.00	0.78	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1056	9.900	30.00	0.00	0.00	0.00	5.03	0.78	0.00	0.78	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1057	9.800	30.00	0.00	0.00	0.00	5.03	0.77	0.00	0.77	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1058	9.700	30.00	0.00	0.00	0.00	5.03	0.77	0.00	0.77	0.00	0.51	0.04	1.77	2.31	0.00	0.00	0.00	0.	0.00
1059	9.600	30.00	0.00	0.00	0.00	5.03	0.76	0.00	0.76	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1060	9.500	30.00	0.00	0.00	0.00	5.03	0.76	0.00	0.76	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1061	9.400	30.00	0.00	0.00	0.00	5.03	0.75	0.00	0.75	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1062	9.300	30.00	0.00	0.00	0.00	5.03	0.75	0.00	0.75	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1063	9.200	30.00	0.00	0.00	0.00	5.03	0.74	0.00	0.74	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1064	9.100	30.00	0.00	0.00	0.00	5.03	0.74	0.00	0.74	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1065	9.000	30.00	0.00	0.00	0.00	5.03	0.73	0.00	0.73	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1066	8.900	30.00	0.00	0.00	0.00	5.04	0.73	0.00	0.73	0.00	0.51	0.04	1.77	2.32	0.00	0.00	0.00	0.	0.00
1067	8.800	30.00	0.00	0.00	0.00	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.00	0.00	0.	0.00
1068	8.700	30.00	0.00	0.00	0.00	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.00	0.00	0.	0.00
1069	8.600	30.00	0.00	0.00	0.00	5.04	0.72	0.00	0.72	0.00	0.51	0.04	1.78	2.32	0.00	0.00	0.00	0.	0.00
1070	8.500	30.00	0.00	0.00	0.00	5.04	0.71	0.00	0.71	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1071	8.400	30.00	0.00	0.00	0.00	5.04	0.71	0.00	0.71	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1072	8.300	30.00	0.00	0.00	0.00	5.04	0.70	0.00	0.70	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1073	8.200	30.00	0.00	0.00	0.00	5.04	0.70	0.00	0.70	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1074	8.100	30.00	0.00	0.00	0.00	5.04	0.69	0.00	0.69	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1075	8.000	30.00	0.00	0.00	0.00	5.04	0.69	0.00	0.69	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1076	7.900	30.00	0.00	0.00	0.00	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1077	7.800	30.00	0.00	0.00	0.00	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.32	0.00	0.00	0.00	0.	0.00
1078	7.700	30.00	0.00	0.00	0.00	5.04	0.68	0.00	0.68	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1079	7.600	30.00	0.00	0.00	0.00	5.05	0.67	0.00	0.67	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1080	7.500	30.00	0.00	0.00	0.00	5.05	0.67	0.00	0.67	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1081	7.400	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1082	7.300	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1083	7.200	30.00	0.00	0.00	0.00	5.05	0.66	0.00	0.66	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1084	7.100	30.00	0.00	0.00	0.00	5.05	0.65	0.00	0.65	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1085	7.000	30.00	0.00	0.00	0.00	5.05	0.65	0.00	0.65	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1086	6.900	30.00	0.00	0.00	0.00	5.05	0.64	0.00	0.64	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1087	6.800	30.00	0.00	0.00	0.00	5.05	0.64	0.00	0.64	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1088	6.700	30.00	0.00	0.00	0.00	5.05	0.63	0.00	0.63	0.00	0.51	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1089	6.600	30.00	0.00	0.00	0.00	5.06	0.63	0.00	0.63	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1090	6.500	30.00	0.00	0.00	0.00	5.06	0.63	0.00	0.63	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1091	6.400	30.00	0.00	0.00	0.00	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1092	6.300	30.00	0.00	0.00	0.00	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1093	6.200	30.00	0.00	0.00	0.00	5.06	0.62	0.00	0.62	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1094	6.100	30.00	0.00	0.00	0.00	5.06	0.61	0.00	0.61	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1095	6.000	30.00	0.00	0.00	0.00	5.06	0.61	0.00	0.61	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1096	5.900	30.00	0.00	0.00	0.00	5.06	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1097	5.800	30.00	0.00	0.00	0.00	5.07	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.33	0.00	0.00	0.00	0.	0.00
1098	5.700	30.00	0.00	0.00	0.00	5.07	0.60	0.00	0.60	0.00	0.52	0.03	1.78	2.34	0.00	0.00	0.00	0.	0.00
1099	5.600	30.00	0.00	0.00	0.00	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.00	0.00	0.	0.00
1100	5.500	30.00	0.00	0.00	0.00	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.00	0.00	0.	0.00

1101	5.400	30.00	0.00	0.00	0.00	5.07	0.59	0.00	0.59	0.00	0.52	0.03	1.78	2.34	0.00	0.00	0.00	0.	0.00
1102	5.300	30.00	0.00	0.00	0.00	5.07	0.58	0.00	0.58	0.00	0.52	0.03	1.78	2.34	0.00	0.00	0.00	0.	0.00
1103	5.200	30.00	0.00	0.00	0.00	5.07	0.58	0.00	0.58	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1104	5.100	30.00	0.00	0.00	0.00	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1105	5.000	30.00	0.00	0.00	0.00	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1106	4.900	30.00	0.00	0.00	0.00	5.08	0.57	0.00	0.57	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1107	4.800	30.00	0.00	0.00	0.00	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1108	4.700	30.00	0.00	0.00	0.00	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1109	4.600	30.00	0.00	0.00	0.00	5.08	0.56	0.00	0.56	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1110	4.500	30.00	0.00	0.00	0.00	5.08	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1111	4.400	30.00	0.00	0.00	0.00	5.09	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1112	4.300	30.00	0.00	0.00	0.00	5.09	0.55	0.00	0.55	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1113	4.200	30.00	0.00	0.00	0.00	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1114	4.100	30.00	0.00	0.00	0.00	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1115	4.000	30.00	0.00	0.00	0.00	5.09	0.54	0.00	0.54	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1116	3.900	30.00	0.00	0.00	0.00	5.09	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.34	0.00	0.00	0.00	0.	0.00
1117	3.800	30.00	0.00	0.00	0.00	5.09	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1118	3.700	30.00	0.00	0.00	0.00	5.10	0.53	0.00	0.53	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1119	3.600	30.00	0.00	0.00	0.00	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1120	3.500	30.00	0.00	0.00	0.00	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1121	3.400	30.00	0.00	0.00	0.00	5.10	0.52	0.00	0.52	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1122	3.300	30.00	0.00	0.00	0.00	5.10	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1123	3.200	30.00	0.00	0.00	0.00	5.10	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1124	3.100	30.00	0.00	0.00	0.00	5.11	0.51	0.00	0.51	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1125	3.000	30.00	0.00	0.00	0.00	5.11	0.50	0.00	0.50	0.00	0.52	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1126	2.900	30.00	0.00	0.00	0.00	5.11	0.50	0.00	0.50	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1127	2.800	30.00	0.00	0.00	0.00	5.11	0.50	0.00	0.50	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1128	2.700	30.00	0.00	0.00	0.00	5.11	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1129	2.600	30.00	0.00	0.00	0.00	5.11	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1130	2.500	30.00	0.00	0.00	0.00	5.12	0.49	0.00	0.49	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1131	2.400	30.00	0.00	0.00	0.00	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1132	2.300	30.00	0.00	0.00	0.00	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1133	2.200	30.00	0.00	0.00	0.00	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1134	2.100	30.00	0.00	0.00	0.00	5.12	0.48	0.00	0.48	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1135	2.000	30.00	0.00	0.00	0.00	5.12	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.35	0.00	0.00	0.00	0.	0.00
1136	1.900	30.00	0.00	0.00	0.00	5.13	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.36	0.00	0.00	0.00	0.	0.00
1137	1.800	30.00	0.00	0.00	0.00	5.13	0.47	0.00	0.47	0.00	0.53	0.03	1.79	2.36	0.00	0.00	0.00	0.	0.00
1138	1.700	30.00	0.00	0.00	0.00	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.79	2.36	0.00	0.00	0.00	0.	0.00
1139	1.600	30.00	0.00	0.00	0.00	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.79	2.36	0.00	0.00	0.00	0.	0.00
1140	1.500	30.00	0.00	0.00	0.00	5.13	0.46	0.00	0.46	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1141	1.400	30.00	0.00	0.00	0.00	5.13	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1142	1.300	30.00	0.00	0.00	0.00	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1143	1.200	30.00	0.00	0.00	0.00	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1144	1.100	30.00	0.00	0.00	0.00	5.14	0.45	0.00	0.45	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1145	1.000	30.00	0.00	0.00	0.00	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1146	0.900	30.00	0.00	0.00	0.00	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1147	0.800	30.00	0.00	0.00	0.00	5.14	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1148	0.700	30.00	0.00	0.00	0.00	5.15	0.44	0.00	0.44	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1149	0.600	30.00	0.00	0.00	0.00	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1150	0.500	30.00	0.00	0.00	0.00	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00

1151	0.400	30.00	0.00	0.00	0.00	5.15	0.43	0.00	0.43	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1152	0.300	30.00	0.00	0.00	0.00	5.15	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1153	0.200	30.00	0.00	0.00	0.00	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1154	0.100	30.00	0.00	0.00	0.00	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.36	0.00	0.00	0.00	0.	0.00
1155	0.000	30.00	0.00	0.00	0.00	5.16	0.42	0.00	0.42	0.00	0.53	0.03	1.80	2.37	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Cholpe #1 TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 289.25 DAYS
MAXIMUM EFFLUENT = 99.32 PERCENT
FLOW = 0.00283 TO 10.15476 m³/s
DISPERSION = 0.0000 TO 0.0000 m²/s
VELOCITY = 0.00029 TO 0.05803 m/s
DEPTH = 0.25 TO 3.20 m
WIDTH = 1.00 TO 80.00 m
BOD DECAY = 0.17 TO 0.32 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 0.19 TO 1.88 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.26 TO 4.03 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.00 TO 10.37 mg/L

FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 3 Bayou Poydras #1 TMDL Simulation for Upper Terrebonne 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
126	HDWTR	0.00283	28.60	0.00	0.00	0.00	5.00	9.81	0.00	9.81	0.00	0.49	0.05	0.00	0.00	0.00	0.00	0.00
126	WSTLD	1.64297	30.00	0.00	0.00	0.00	6.00	11.50	0.00	11.50	0.00	0.80	1.25	2.00	0.00	0.00	0.00	0.00
148	WSTLD	0.00013	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
151	WSTLD	0.00003	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	0.00	0.00	0.00	0.00
158	WSTLD	0.00028	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
164	WSTLD	0.00007	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	2.00	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
126	10.30	10.20	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
127	10.20	10.10	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
128	10.10	10.00	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
129	10.00	9.90	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
130	9.90	9.80	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
131	9.80	9.70	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
132	9.70	9.60	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
133	9.60	9.50	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
134	9.50	9.40	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
135	9.40	9.30	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
136	9.30	9.20	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371

137	9.20	9.10	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
138	9.10	9.00	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
139	9.00	8.90	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
140	8.90	8.80	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
141	8.80	8.70	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
142	8.70	8.60	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
143	8.60	8.50	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
144	8.50	8.40	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
145	8.40	8.30	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
146	8.30	8.20	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
147	8.20	8.10	1.64580	99.8	1.37150	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.371
148	8.10	8.00	1.64593	99.8	1.37161	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
149	8.00	7.90	1.64593	99.8	1.37161	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
150	7.90	7.80	1.64593	99.8	1.37161	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
151	7.80	7.70	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
152	7.70	7.60	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
153	7.60	7.50	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
154	7.50	7.40	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
155	7.40	7.30	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
156	7.30	7.20	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
157	7.20	7.10	1.64596	99.8	1.37163	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
158	7.10	7.00	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
159	7.00	6.90	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
160	6.90	6.80	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
161	6.80	6.70	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
162	6.70	6.60	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
163	6.60	6.50	1.64624	99.8	1.37187	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
164	6.50	6.40	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
165	6.40	6.30	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
166	6.30	6.20	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
167	6.20	6.10	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
168	6.10	6.00	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
169	6.00	5.90	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
170	5.90	5.80	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
171	5.80	5.70	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
172	5.70	5.60	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
173	5.60	5.50	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
174	5.50	5.40	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
175	5.40	5.30	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
176	5.30	5.20	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
177	5.20	5.10	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
178	5.10	5.00	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
179	5.00	4.90	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
180	4.90	4.80	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
181	4.80	4.70	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
182	4.70	4.60	1.64631	99.8	1.37192	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.372
TOT					0.05			6840.00	22800.00						
AVG				1.3717		0.30	4.00			1.20					
CUM					0.05										

********** 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	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			
126	10.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	10.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	10.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	9.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	9.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	9.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	9.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	9.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	9.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	9.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	9.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	9.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	9.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	8.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	8.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	8.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	8.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	8.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	8.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	8.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	8.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	8.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	7.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	7.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	7.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	7.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	7.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	7.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	7.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	7.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	7.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	7.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	6.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	6.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	6.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	6.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	6.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	6.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	6.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	6.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	6.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	6.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	5.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	5.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	5.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	5.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

173	5.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	5.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	5.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	5.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	5.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	5.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	4.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	4.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	4.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	4.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				10.00	0.10	0.00	0.00	0.00	0.00	0.00	0.10		0.02	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
126	10.200	30.00	0.00	0.00	0.00	6.01	11.50	0.00	11.50	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
127	10.100	30.00	0.00	0.00	0.00	6.02	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
128	10.000	30.00	0.00	0.00	0.00	6.03	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
129	9.900	30.00	0.00	0.00	0.00	6.04	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
130	9.800	30.00	0.00	0.00	0.00	6.06	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
131	9.700	30.00	0.00	0.00	0.00	6.07	11.49	0.00	11.49	0.00	0.80	1.25	2.00	4.04	0.00	0.00	0.00	0.	0.00
132	9.600	30.00	0.00	0.00	0.00	6.08	11.49	0.00	11.49	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
133	9.500	30.00	0.00	0.00	0.00	6.09	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
134	9.400	30.00	0.00	0.00	0.00	6.10	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
135	9.300	30.00	0.00	0.00	0.00	6.11	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
136	9.200	30.00	0.00	0.00	0.00	6.12	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
137	9.100	30.00	0.00	0.00	0.00	6.13	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
138	9.000	30.00	0.00	0.00	0.00	6.14	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
139	8.900	30.00	0.00	0.00	0.00	6.15	11.48	0.00	11.48	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
140	8.800	30.00	0.00	0.00	0.00	6.16	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
141	8.700	30.00	0.00	0.00	0.00	6.17	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
142	8.600	30.00	0.00	0.00	0.00	6.18	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
143	8.500	30.00	0.00	0.00	0.00	6.19	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
144	8.400	30.00	0.00	0.00	0.00	6.20	11.47	0.00	11.47	0.00	0.80	1.24	2.00	4.04	0.00	0.00	0.00	0.	0.00
145	8.300	30.00	0.00	0.00	0.00	6.21	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.04	0.00	0.00	0.00	0.	0.00
146	8.200	30.00	0.00	0.00	0.00	6.22	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.04	0.00	0.00	0.00	0.	0.00
147	8.100	30.00	0.00	0.00	0.00	6.23	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.04	0.00	0.00	0.00	0.	0.00
148	8.000	30.00	0.00	0.00	0.00	6.24	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
149	7.900	30.00	0.00	0.00	0.00	6.25	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
150	7.800	30.00	0.00	0.00	0.00	6.26	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
151	7.700	30.00	0.00	0.00	0.00	6.27	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
152	7.600	30.00	0.00	0.00	0.00	6.28	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
153	7.500	30.00	0.00	0.00	0.00	6.29	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
154	7.400	30.00	0.00	0.00	0.00	6.29	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
155	7.300	30.00	0.00	0.00	0.00	6.30	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
156	7.200	30.00	0.00	0.00	0.00	6.31	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
157	7.100	30.00	0.00	0.00	0.00	6.32	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
158	7.000	30.00	0.00	0.00	0.00	6.33	11.47	0.00	11.47	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
159	6.900	30.00	0.00	0.00	0.00	6.34	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
160	6.800	30.00	0.00	0.00	0.00	6.35	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00

161	6.700	30.00	0.00	0.00	0.00	6.35	11.46	0.00	11.46	0.00	0.80	1.24	2.01	4.05	0.00	0.00	0.00	0.	0.00
162	6.600	30.00	0.00	0.00	0.00	6.36	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.00	0.00	0.	0.00
163	6.500	30.00	0.00	0.00	0.00	6.37	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.00	0.00	0.	0.00
164	6.400	30.00	0.00	0.00	0.00	6.38	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.00	0.00	0.	0.00
165	6.300	30.00	0.00	0.00	0.00	6.39	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.00	0.00	0.	0.00
166	6.200	30.00	0.00	0.00	0.00	6.39	11.46	0.00	11.46	0.00	0.80	1.23	2.01	4.05	0.00	0.00	0.00	0.	0.00
167	6.100	30.00	0.00	0.00	0.00	6.40	11.46	0.00	11.46	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
168	6.000	30.00	0.00	0.00	0.00	6.41	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
169	5.900	30.00	0.00	0.00	0.00	6.42	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
170	5.800	30.00	0.00	0.00	0.00	6.42	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
171	5.700	30.00	0.00	0.00	0.00	6.43	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
172	5.600	30.00	0.00	0.00	0.00	6.44	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
173	5.500	30.00	0.00	0.00	0.00	6.45	11.45	0.00	11.45	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
174	5.400	30.00	0.00	0.00	0.00	6.45	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
175	5.300	30.00	0.00	0.00	0.00	6.46	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
176	5.200	30.00	0.00	0.00	0.00	6.47	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
177	5.100	30.00	0.00	0.00	0.00	6.48	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
178	5.000	30.00	0.00	0.00	0.00	6.48	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
179	4.900	30.00	0.00	0.00	0.00	6.49	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
180	4.800	30.00	0.00	0.00	0.00	6.50	11.44	0.00	11.44	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
181	4.700	30.00	0.00	0.00	0.00	6.50	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
182	4.600	30.00	0.00	0.00	0.00	6.51	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 4 Bayou Poydras #2 TMDL Simulation for Upper Terrebonne 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
183	UPR RCH	1.64631	30.00	0.00	0.00	0.00	6.51	11.43	0.00	11.43	0.00	0.80	1.23	2.02	0.00	0.00	0.00	0.00
EACH	INCR	0.00006	30.00	0.00	0.00	0.00	5.00	9.50	0.00		0.70	0.00	0.25	0.00	0.00	0.00		
186	WSTLD	0.00175	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	0.00	0.00	0.00	0.00
187	WSTLD	0.00053	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	2.00	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	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
183	4.60	4.50	1.64637	99.8	0.34299	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.343
184	4.50	4.40	1.64643	99.8	0.34301	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.343
185	4.40	4.30	1.64649	99.8	0.34302	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.343
186	4.30	4.20	1.64830	99.8	0.34340	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.343
187	4.20	4.10	1.64889	99.8	0.34352	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
188	4.10	4.00	1.64896	99.8	0.34353	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
189	4.00	3.90	1.64902	99.8	0.34355	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
190	3.90	3.80	1.64908	99.8	0.34356	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
191	3.80	3.70	1.64914	99.8	0.34357	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
192	3.70	3.60	1.64920	99.8	0.34358	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
193	3.60	3.50	1.64926	99.8	0.34360	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
194	3.50	3.40	1.64932	99.8	0.34361	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
195	3.40	3.30	1.64938	99.8	0.34362	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
196	3.30	3.20	1.64944	99.8	0.34363	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344
197	3.20	3.10	1.64950	99.8	0.34365	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.000	0.344

198	3.10	3.00	1.64956	99.8	0.34366	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
199	3.00	2.90	1.64963	99.8	0.34367	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
200	2.90	2.80	1.64969	99.8	0.34368	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
201	2.80	2.70	1.64975	99.8	0.34370	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
202	2.70	2.60	1.64981	99.8	0.34371	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
203	2.60	2.50	1.64987	99.8	0.34372	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
204	2.50	2.40	1.64993	99.7	0.34374	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
205	2.40	2.30	1.64999	99.7	0.34375	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
206	2.30	2.20	1.65005	99.7	0.34376	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
207	2.20	2.10	1.65011	99.7	0.34377	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
208	2.10	2.00	1.65017	99.7	0.34379	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
209	2.00	1.90	1.65023	99.7	0.34380	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
210	1.90	1.80	1.65030	99.7	0.34381	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
211	1.80	1.70	1.65036	99.7	0.34382	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
212	1.70	1.60	1.65042	99.7	0.34384	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
213	1.60	1.50	1.65048	99.7	0.34385	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
214	1.50	1.40	1.65054	99.7	0.34386	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
215	1.40	1.30	1.65060	99.7	0.34388	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
216	1.30	1.20	1.65066	99.7	0.34389	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
217	1.20	1.10	1.65072	99.7	0.34390	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
218	1.10	1.00	1.65078	99.7	0.34391	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
219	1.00	0.90	1.65084	99.7	0.34393	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
220	0.90	0.80	1.65090	99.7	0.34394	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
221	0.80	0.70	1.65097	99.7	0.34395	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
222	0.70	0.60	1.65103	99.7	0.34396	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
223	0.60	0.50	1.65109	99.7	0.34398	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
224	0.50	0.40	1.65115	99.7	0.34399	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
225	0.40	0.30	1.65121	99.7	0.34400	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
226	0.30	0.20	1.65127	99.7	0.34401	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
227	0.20	0.10	1.65133	99.7	0.34403	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
228	0.10	0.00	1.65139	99.7	0.34404	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.344
TOT					0.15			22080.00	36800.00						
AVG				0.3437		0.60	8.00			4.80					
CUM					0.20										

********** 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 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
183	4.500	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
184	4.400	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
185	4.300	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
186	4.200	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
187	4.100	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
188	4.000	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
189	3.900	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
190	3.800	7.56	5.96	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
191	3.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
192	3.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
193	3.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
194	3.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

195	3.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	3.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	3.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	3.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	2.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	2.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	2.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	2.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	2.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	2.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	2.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	2.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	2.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	2.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
209	1.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	1.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	1.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	1.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	1.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	1.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	1.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	1.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	1.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	1.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	0.900	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	0.800	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	0.700	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	0.600	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	0.500	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
224	0.400	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.300	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	0.200	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	0.100	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228	0.000	7.56	5.97	0.16	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.19	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				4.96	0.10	0.00	0.00	0.00	0.00	0.00	0.10		0.02	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 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
183	4.500	30.00	0.00	0.00	0.00	6.52	11.43	0.00	11.43	0.00	0.80	1.23	2.02	4.05	0.00	0.00	0.00	0.	0.00
184	4.400	30.00	0.00	0.00	0.00	6.52	11.42	0.00	11.42	0.00	0.80	1.22	2.03	4.05	0.00	0.00	0.00	0.	0.00
185	4.300	30.00	0.00	0.00	0.00	6.53	11.41	0.00	11.41	0.00	0.80	1.22	2.03	4.05	0.00	0.00	0.00	0.	0.00
186	4.200	30.00	0.00	0.00	0.00	6.53	11.47	0.00	11.47	0.00	0.80	1.23	2.03	4.06	0.00	0.00	0.00	0.	0.00
187	4.100	30.00	0.00	0.00	0.00	6.54	11.48	0.00	11.48	0.00	0.81	1.23	2.03	4.07	0.00	0.00	0.00	0.	0.00
188	4.000	30.00	0.00	0.00	0.00	6.54	11.48	0.00	11.48	0.00	0.81	1.23	2.03	4.07	0.00	0.00	0.00	0.	0.00
189	3.900	30.00	0.00	0.00	0.00	6.55	11.47	0.00	11.47	0.00	0.81	1.23	2.03	4.07	0.00	0.00	0.00	0.	0.00
190	3.800	30.00	0.00	0.00	0.00	6.55	11.46	0.00	11.46	0.00	0.81	1.23	2.04	4.07	0.00	0.00	0.00	0.	0.00
191	3.700	30.00	0.00	0.00	0.00	6.56	11.46	0.00	11.46	0.00	0.81	1.22	2.04	4.07	0.00	0.00	0.00	0.	0.00
192	3.600	30.00	0.00	0.00	0.00	6.56	11.45	0.00	11.45	0.00	0.81	1.22	2.04	4.07	0.00	0.00	0.00	0.	0.00
193	3.500	30.00	0.00	0.00	0.00	6.57	11.44	0.00	11.44	0.00	0.81	1.22	2.04	4.07	0.00	0.00	0.00	0.	0.00

194	3.400	30.00	0.00	0.00	0.00	6.57	11.44	0.00	11.44	0.00	0.81	1.22	2.04	4.07	0.00	0.00	0.00	0.	0.00
195	3.300	30.00	0.00	0.00	0.00	6.58	11.43	0.00	11.43	0.00	0.81	1.22	2.04	4.07	0.00	0.00	0.00	0.	0.00
196	3.200	30.00	0.00	0.00	0.00	6.58	11.43	0.00	11.43	0.00	0.81	1.21	2.05	4.07	0.00	0.00	0.00	0.	0.00
197	3.100	30.00	0.00	0.00	0.00	6.59	11.42	0.00	11.42	0.00	0.80	1.21	2.05	4.07	0.00	0.00	0.00	0.	0.00
198	3.000	30.00	0.00	0.00	0.00	6.59	11.41	0.00	11.41	0.00	0.80	1.21	2.05	4.07	0.00	0.00	0.00	0.	0.00
199	2.900	30.00	0.00	0.00	0.00	6.60	11.41	0.00	11.41	0.00	0.80	1.21	2.05	4.06	0.00	0.00	0.00	0.	0.00
200	2.800	30.00	0.00	0.00	0.00	6.60	11.40	0.00	11.40	0.00	0.80	1.21	2.05	4.06	0.00	0.00	0.00	0.	0.00
201	2.700	30.00	0.00	0.00	0.00	6.61	11.39	0.00	11.39	0.00	0.80	1.21	2.05	4.06	0.00	0.00	0.00	0.	0.00
202	2.600	30.00	0.00	0.00	0.00	6.61	11.39	0.00	11.39	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
203	2.500	30.00	0.00	0.00	0.00	6.61	11.38	0.00	11.38	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
204	2.400	30.00	0.00	0.00	0.00	6.62	11.38	0.00	11.38	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
205	2.300	30.00	0.00	0.00	0.00	6.62	11.37	0.00	11.37	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
206	2.200	30.00	0.00	0.00	0.00	6.63	11.36	0.00	11.36	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
207	2.100	30.00	0.00	0.00	0.00	6.63	11.36	0.00	11.36	0.00	0.80	1.20	2.06	4.06	0.00	0.00	0.00	0.	0.00
208	2.000	30.00	0.00	0.00	0.00	6.63	11.35	0.00	11.35	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
209	1.900	30.00	0.00	0.00	0.00	6.64	11.35	0.00	11.35	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
210	1.800	30.00	0.00	0.00	0.00	6.64	11.34	0.00	11.34	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
211	1.700	30.00	0.00	0.00	0.00	6.65	11.33	0.00	11.33	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
212	1.600	30.00	0.00	0.00	0.00	6.65	11.33	0.00	11.33	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
213	1.500	30.00	0.00	0.00	0.00	6.65	11.32	0.00	11.32	0.00	0.80	1.19	2.07	4.06	0.00	0.00	0.00	0.	0.00
214	1.400	30.00	0.00	0.00	0.00	6.66	11.32	0.00	11.32	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
215	1.300	30.00	0.00	0.00	0.00	6.66	11.31	0.00	11.31	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
216	1.200	30.00	0.00	0.00	0.00	6.66	11.30	0.00	11.30	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
217	1.100	30.00	0.00	0.00	0.00	6.67	11.30	0.00	11.30	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
218	1.000	30.00	0.00	0.00	0.00	6.67	11.29	0.00	11.29	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
219	0.900	30.00	0.00	0.00	0.00	6.67	11.28	0.00	11.28	0.00	0.80	1.18	2.08	4.06	0.00	0.00	0.00	0.	0.00
220	0.800	30.00	0.00	0.00	0.00	6.68	11.28	0.00	11.28	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
221	0.700	30.00	0.00	0.00	0.00	6.68	11.27	0.00	11.27	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
222	0.600	30.00	0.00	0.00	0.00	6.68	11.27	0.00	11.27	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
223	0.500	30.00	0.00	0.00	0.00	6.69	11.26	0.00	11.26	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
224	0.400	30.00	0.00	0.00	0.00	6.69	11.25	0.00	11.25	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
225	0.300	30.00	0.00	0.00	0.00	6.69	11.25	0.00	11.25	0.00	0.80	1.17	2.09	4.06	0.00	0.00	0.00	0.	0.00
226	0.200	30.00	0.00	0.00	0.00	6.70	11.24	0.00	11.24	0.00	0.80	1.16	2.09	4.06	0.00	0.00	0.00	0.	0.00
227	0.100	30.00	0.00	0.00	0.00	6.70	11.24	0.00	11.24	0.00	0.80	1.16	2.10	4.06	0.00	0.00	0.00	0.	0.00
228	0.000	30.00	0.00	0.00	0.00	6.70	11.23	0.00	11.23	0.00	0.80	1.16	2.10	4.06	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Poydras #1 TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 0.20 DAYS
MAXIMUM EFFLUENT = 99.83 PERCENT
FLOW = 1.64580 TO 1.65139 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.34299 TO 1.37192 m/s
DEPTH = 0.30 TO 0.60 m
WIDTH = 4.00 TO 8.00 m
BOD DECAY = 0.16 TO 0.16 per day
NH3 DECAY = 0.42 TO 0.43 per day
SOD = 0.19 TO 0.19 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 5.96 TO 12.03 per day
BOD SETTLING = 0.00 TO 0.00 per day

ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 6.01 TO 6.70 mg/L
FINAL REPORT Chamberlin Canal #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 6 Chamberlin Canal #1 TMDL Simulation for Upper Terrebonne 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
272	HDWTR	0.00283	28.90	0.00	0.00	0.00	6.00	9.28	0.00	9.28	0.00	1.18	0.10	0.07	0.00	0.00	0.00	0.00
EACH	INCR	0.00005	30.00	0.00	0.00	0.00	5.00	25.00	0.00		2.40	0.00	0.05	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
272	7.50	7.40	0.00288	0.0	0.01438	0.08	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.014
273	7.40	7.30	0.00292	0.0	0.01460	0.08	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.015
274	7.30	7.20	0.00297	0.0	0.01483	0.08	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.015
275	7.20	7.10	0.00301	0.0	0.01506	0.08	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.015
276	7.10	7.00	0.00306	0.0	0.01529	0.08	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.015
277	7.00	6.90	0.00310	0.0	0.01551	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.016
278	6.90	6.80	0.00315	0.0	0.01574	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.016
279	6.80	6.70	0.00319	0.0	0.01597	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.016
280	6.70	6.60	0.00324	0.0	0.01620	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.016
281	6.60	6.50	0.00328	0.0	0.01642	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.016
282	6.50	6.40	0.00333	0.0	0.01665	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.017
283	6.40	6.30	0.00338	0.0	0.01688	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.017
284	6.30	6.20	0.00342	0.0	0.01710	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.017
285	6.20	6.10	0.00347	0.0	0.01733	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.017
286	6.10	6.00	0.00351	0.0	0.01756	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.018
287	6.00	5.90	0.00356	0.0	0.01779	0.07	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.018
288	5.90	5.80	0.00360	0.0	0.01801	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.018
289	5.80	5.70	0.00365	0.0	0.01824	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.018
290	5.70	5.60	0.00369	0.0	0.01847	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.018
291	5.60	5.50	0.00374	0.0	0.01870	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.019
292	5.50	5.40	0.00378	0.0	0.01892	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.019
293	5.40	5.30	0.00383	0.0	0.01915	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.019
294	5.30	5.20	0.00388	0.0	0.01938	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.019
295	5.20	5.10	0.00392	0.0	0.01960	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.020
296	5.10	5.00	0.00397	0.0	0.01983	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.020
297	5.00	4.90	0.00401	0.0	0.02006	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.020
298	4.90	4.80	0.00406	0.0	0.02029	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.020
299	4.80	4.70	0.00410	0.0	0.02051	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.021
300	4.70	4.60	0.00415	0.0	0.02074	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.021
301	4.60	4.50	0.00419	0.0	0.02097	0.06	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.021
302	4.50	4.40	0.00424	0.0	0.02120	0.05	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.021
303	4.40	4.30	0.00428	0.0	0.02142	0.05	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.021
304	4.30	4.20	0.00433	0.0	0.02165	0.05	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.022
TOT					2.15				660.00	6600.00					
AVG			0.0178			0.10	2.00				0.20				

CUM 2.15

********** 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 SETT *	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
272	7.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	7.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	7.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	7.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	7.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	6.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	6.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	6.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	6.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	6.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	6.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	6.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	6.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	6.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	6.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287	5.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
288	5.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
289	5.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
290	5.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
291	5.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292	5.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
293	5.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
294	5.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	5.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	5.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
297	4.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
298	4.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	4.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	4.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
301	4.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	4.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
303	4.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	4.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			10.00	0.13	0.00	0.00	0.00	0.00	0.00	1.00			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
272	7.400	30.00	0.00	0.00	0.00	5.90	9.37	0.00	9.37	0.00	1.20	0.10	0.07	1.37	0.00	0.00	0.00	0.	0.00
273	7.300	30.00	0.00	0.00	0.00	5.86	9.46	0.00	9.46	0.00	1.22	0.09	0.08	1.38	0.00	0.00	0.00	0.	0.00
274	7.200	30.00	0.00	0.00	0.00	5.83	9.55	0.00	9.55	0.00	1.23	0.09	0.08	1.40	0.00	0.00	0.00	0.	0.00
275	7.100	30.00	0.00	0.00	0.00	5.82	9.63	0.00	9.63	0.00	1.25	0.09	0.08	1.42	0.00	0.00	0.00	0.	0.00
276	7.000	30.00	0.00	0.00	0.00	5.81	9.71	0.00	9.71	0.00	1.27	0.08	0.08	1.43	0.00	0.00	0.00	0.	0.00
277	6.900	30.00	0.00	0.00	0.00	5.81	9.78	0.00	9.78	0.00	1.28	0.08	0.08	1.45	0.00	0.00	0.00	0.	0.00
278	6.800	30.00	0.00	0.00	0.00	5.81	9.85	0.00	9.85	0.00	1.30	0.08	0.09	1.46	0.00	0.00	0.00	0.	0.00

279	6.700	30.00	0.00	0.00	0.00	5.81	9.92	0.00	9.92	0.00	1.31	0.08	0.09	1.48	0.00	0.00	0.00	0.	0.00
280	6.600	30.00	0.00	0.00	0.00	5.80	9.98	0.00	9.98	0.00	1.32	0.07	0.09	1.49	0.00	0.00	0.00	0.	0.00
281	6.500	30.00	0.00	0.00	0.00	5.80	10.04	0.00	10.04	0.00	1.34	0.07	0.09	1.50	0.00	0.00	0.00	0.	0.00
282	6.400	30.00	0.00	0.00	0.00	5.80	10.10	0.00	10.10	0.00	1.35	0.07	0.09	1.52	0.00	0.00	0.00	0.	0.00
283	6.300	30.00	0.00	0.00	0.00	5.80	10.16	0.00	10.16	0.00	1.36	0.07	0.09	1.53	0.00	0.00	0.00	0.	0.00
284	6.200	30.00	0.00	0.00	0.00	5.80	10.22	0.00	10.22	0.00	1.38	0.07	0.10	1.54	0.00	0.00	0.00	0.	0.00
285	6.100	30.00	0.00	0.00	0.00	5.80	10.27	0.00	10.27	0.00	1.39	0.07	0.10	1.55	0.00	0.00	0.00	0.	0.00
286	6.000	30.00	0.00	0.00	0.00	5.80	10.32	0.00	10.32	0.00	1.40	0.06	0.10	1.56	0.00	0.00	0.00	0.	0.00
287	5.900	30.00	0.00	0.00	0.00	5.80	10.37	0.00	10.37	0.00	1.41	0.06	0.10	1.57	0.00	0.00	0.00	0.	0.00
288	5.800	30.00	0.00	0.00	0.00	5.80	10.42	0.00	10.42	0.00	1.42	0.06	0.10	1.59	0.00	0.00	0.00	0.	0.00
289	5.700	30.00	0.00	0.00	0.00	5.80	10.46	0.00	10.46	0.00	1.44	0.06	0.10	1.60	0.00	0.00	0.00	0.	0.00
290	5.600	30.00	0.00	0.00	0.00	5.80	10.50	0.00	10.50	0.00	1.45	0.06	0.10	1.61	0.00	0.00	0.00	0.	0.00
291	5.500	30.00	0.00	0.00	0.00	5.80	10.55	0.00	10.55	0.00	1.46	0.06	0.10	1.62	0.00	0.00	0.00	0.	0.00
292	5.400	30.00	0.00	0.00	0.00	5.80	10.59	0.00	10.59	0.00	1.47	0.06	0.10	1.63	0.00	0.00	0.00	0.	0.00
293	5.300	30.00	0.00	0.00	0.00	5.80	10.63	0.00	10.63	0.00	1.48	0.06	0.10	1.64	0.00	0.00	0.00	0.	0.00
294	5.200	30.00	0.00	0.00	0.00	5.80	10.66	0.00	10.66	0.00	1.49	0.05	0.11	1.65	0.00	0.00	0.00	0.	0.00
295	5.100	30.00	0.00	0.00	0.00	5.79	10.70	0.00	10.70	0.00	1.50	0.05	0.11	1.66	0.00	0.00	0.00	0.	0.00
296	5.000	30.00	0.00	0.00	0.00	5.79	10.73	0.00	10.73	0.00	1.51	0.05	0.11	1.67	0.00	0.00	0.00	0.	0.00
297	4.900	30.00	0.00	0.00	0.00	5.79	10.77	0.00	10.77	0.00	1.51	0.05	0.11	1.67	0.00	0.00	0.00	0.	0.00
298	4.800	30.00	0.00	0.00	0.00	5.79	10.80	0.00	10.80	0.00	1.52	0.05	0.11	1.68	0.00	0.00	0.00	0.	0.00
299	4.700	30.00	0.00	0.00	0.00	5.79	10.83	0.00	10.83	0.00	1.53	0.05	0.11	1.69	0.00	0.00	0.00	0.	0.00
300	4.600	30.00	0.00	0.00	0.00	5.79	10.86	0.00	10.86	0.00	1.54	0.05	0.11	1.70	0.00	0.00	0.00	0.	0.00
301	4.500	30.00	0.00	0.00	0.00	5.79	10.89	0.00	10.89	0.00	1.55	0.05	0.11	1.71	0.00	0.00	0.00	0.	0.00
302	4.400	30.00	0.00	0.00	0.00	5.79	10.92	0.00	10.92	0.00	1.56	0.05	0.11	1.72	0.00	0.00	0.00	0.	0.00
303	4.300	30.00	0.00	0.00	0.00	5.79	10.95	0.00	10.95	0.00	1.56	0.05	0.11	1.72	0.00	0.00	0.00	0.	0.00
304	4.200	30.00	0.00	0.00	0.00	5.79	10.97	0.00	10.97	0.00	1.57	0.05	0.11	1.73	0.00	0.00	0.00	0.	0.00

FINAL REPORT Chamberlin Canal #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 7 Chamberlin Canal #2 TMDL Simulation for Upper Terrebonne 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
305	UPR RCH	0.00433	30.00	0.00	0.00	0.00	5.79	10.97	0.00	10.97	0.00	1.57	0.05	0.11	0.00	0.00	0.00	0.00
EACH	INCR	0.00012	30.00	0.00	0.00	0.00	5.00	2.60	0.00		0.20	0.00	0.05	0.00	0.00	0.00		
305	WSTLD	0.00268	30.00	0.00	0.00	0.00	6.00	23.00	0.00	23.00	0.00	1.70	3.33	0.50	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 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
305	4.20	4.10	0.00713	37.6	0.00475	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
306	4.10	4.00	0.00725	37.0	0.00483	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
307	4.00	3.90	0.00737	36.4	0.00491	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
308	3.90	3.80	0.00749	35.8	0.00499	0.23	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
309	3.80	3.70	0.00761	35.2	0.00507	0.23	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
310	3.70	3.60	0.00772	34.7	0.00515	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
311	3.60	3.50	0.00784	34.2	0.00523	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
312	3.50	3.40	0.00796	33.7	0.00531	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
313	3.40	3.30	0.00808	33.2	0.00539	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
314	3.30	3.20	0.00820	32.7	0.00547	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
315	3.20	3.10	0.00832	32.2	0.00555	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
316	3.10	3.00	0.00844	31.8	0.00563	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006

317	3.00	2.90	0.00856	31.3	0.00571	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
318	2.90	2.80	0.00868	30.9	0.00578	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
319	2.80	2.70	0.00880	30.5	0.00586	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
320	2.70	2.60	0.00891	30.1	0.00594	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
321	2.60	2.50	0.00903	29.7	0.00602	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
322	2.50	2.40	0.00915	29.3	0.00610	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
323	2.40	2.30	0.00927	28.9	0.00618	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
324	2.30	2.20	0.00939	28.5	0.00626	0.18	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
325	2.20	2.10	0.00951	28.2	0.00634	0.18	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
326	2.10	2.00	0.00963	27.8	0.00642	0.18	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
327	2.00	1.90	0.00975	27.5	0.00650	0.18	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
328	1.90	1.80	0.00987	27.2	0.00658	0.18	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
329	1.80	1.70	0.00999	26.8	0.00666	0.17	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
330	1.70	1.60	0.01011	26.5	0.00674	0.17	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
331	1.60	1.50	0.01022	26.2	0.00682	0.17	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
332	1.50	1.40	0.01034	25.9	0.00690	0.17	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
333	1.40	1.30	0.01046	25.6	0.00697	0.17	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
334	1.30	1.20	0.01058	25.3	0.00705	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
335	1.20	1.10	0.01070	25.0	0.00713	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
336	1.10	1.00	0.01082	24.8	0.00721	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
337	1.00	0.90	0.01094	24.5	0.00729	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
338	0.90	0.80	0.01106	24.2	0.00737	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
339	0.80	0.70	0.01118	24.0	0.00745	0.16	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.007
340	0.70	0.60	0.01130	23.7	0.00753	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
341	0.60	0.50	0.01141	23.5	0.00761	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
342	0.50	0.40	0.01153	23.2	0.00769	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
343	0.40	0.30	0.01165	23.0	0.00777	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
344	0.30	0.20	0.01177	22.8	0.00785	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
345	0.20	0.10	0.01189	22.5	0.00793	0.15	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
346	0.10	0.00	0.01201	22.3	0.00801	0.14	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.008
TOT					7.80			6300.00	21000.00						
AVG				0.0062			0.30	5.00			1.50				
CUM					9.95										

********** 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	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		
305	4.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	
306	4.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	
307	3.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	
308	3.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	
309	3.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	
310	3.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	
311	3.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	
312	3.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	
313	3.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.41	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	
314	3.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00	
315	3.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00	
316	3.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	
317	2.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00	

318	2.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
319	2.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
320	2.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
321	2.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
322	2.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
323	2.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
324	2.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.49	0.00	0.00	0.00	0.00
325	2.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
326	2.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
327	1.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
328	1.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
329	1.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00
330	1.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00
331	1.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
332	1.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.48	0.00	0.00	0.00	0.00
333	1.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.61	0.00	0.00	0.00	0.00
334	1.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00
335	1.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.43	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
336	1.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00
337	0.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.10	0.00	0.00	0.00	0.00
338	0.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
339	0.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.35	0.00	0.00	0.00	0.00
340	0.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
341	0.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
342	0.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
343	0.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
344	0.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	4.97	0.00	0.00	0.00	0.00
345	0.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
346	0.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.05	1.05	1.05	0.01	0.00	0.44	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			2.33	0.13	0.00	0.00	0.00	0.00	0.00	0.56			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
305	4.100	30.00	0.00	0.00	0.00	5.32	14.62	0.00	14.62	0.00	1.59	1.17	0.37	3.13	0.00	1.57	0.00	0.	0.00
306	4.000	30.00	0.00	0.00	0.00	5.08	13.75	0.00	13.75	0.00	1.57	1.05	0.47	3.08	0.00	3.14	0.00	0.	0.00
307	3.900	30.00	0.00	0.00	0.00	5.01	12.94	0.00	12.94	0.00	1.54	0.95	0.55	3.03	0.00	4.71	0.00	0.	0.00
308	3.800	30.00	0.00	0.00	0.00	5.03	12.19	0.00	12.19	0.00	1.51	0.86	0.61	2.98	0.00	6.29	0.00	0.	0.00
309	3.700	30.00	0.00	0.00	0.00	5.09	11.50	0.00	11.50	0.00	1.49	0.78	0.67	2.93	0.00	7.86	0.00	0.	0.00
310	3.600	30.00	0.00	0.00	0.00	5.19	10.86	0.00	10.86	0.00	1.46	0.70	0.72	2.88	0.00	9.43	0.00	0.	0.00
311	3.500	30.00	0.00	0.00	0.00	5.29	10.27	0.00	10.27	0.00	1.44	0.64	0.75	2.83	0.00	11.00	0.00	0.	0.00
312	3.400	30.00	0.00	0.00	0.00	5.40	9.72	0.00	9.72	0.00	1.42	0.58	0.78	2.78	0.00	12.57	0.00	0.	0.00
313	3.300	30.00	0.00	0.00	0.00	5.51	9.21	0.00	9.21	0.00	1.40	0.53	0.81	2.73	0.00	14.14	0.00	0.	0.00
314	3.200	30.00	0.00	0.00	0.00	5.61	8.73	0.00	8.73	0.00	1.38	0.48	0.83	2.69	0.00	15.71	0.00	0.	0.00
315	3.100	30.00	0.00	0.00	0.00	5.72	8.29	0.00	8.29	0.00	1.36	0.44	0.84	2.64	0.00	17.29	0.00	0.	0.00
316	3.000	30.00	0.00	0.00	0.00	5.82	7.87	0.00	7.87	0.00	1.34	0.40	0.85	2.59	0.00	18.86	0.00	0.	0.00
317	2.900	30.00	0.00	0.00	0.00	5.91	7.49	0.00	7.49	0.00	1.32	0.37	0.85	2.54	0.00	20.43	0.00	0.	0.00
318	2.800	30.00	0.00	0.00	0.00	6.00	7.13	0.00	7.13	0.00	1.30	0.34	0.85	2.49	0.00	22.00	0.00	0.	0.00
319	2.700	30.00	0.00	0.00	0.00	6.09	6.79	0.00	6.79	0.00	1.28	0.31	0.85	2.44	0.00	23.57	0.00	0.	0.00
320	2.600	30.00	0.00	0.00	0.00	6.18	6.47	0.00	6.47	0.00	1.26	0.29	0.84	2.39	0.00	25.14	0.00	0.	0.00

321	2.500	30.00	0.00	0.00	0.00	6.26	6.18	0.00	6.18	0.00	1.25	0.26	0.83	2.34	0.00	26.71	0.00	0.	0.00
322	2.400	30.00	0.00	0.00	0.00	6.34	5.90	0.00	5.90	0.00	1.23	0.24	0.82	2.29	0.00	28.29	0.00	0.	0.00
323	2.300	30.00	0.00	0.00	0.00	6.41	5.64	0.00	5.64	0.00	1.21	0.23	0.81	2.25	0.00	29.86	0.00	0.	0.00
324	2.200	30.00	0.00	0.00	0.00	6.49	5.40	0.00	5.40	0.00	1.20	0.21	0.79	2.20	0.00	31.43	0.00	0.	0.00
325	2.100	30.00	0.00	0.00	0.00	6.56	5.17	0.00	5.17	0.00	1.18	0.19	0.77	2.15	0.00	33.00	0.00	0.	0.00
326	2.000	30.00	0.00	0.00	0.00	6.63	4.95	0.00	4.95	0.00	1.17	0.18	0.75	2.10	0.00	34.57	0.00	0.	0.00
327	1.900	30.00	0.00	0.00	0.00	6.70	4.75	0.00	4.75	0.00	1.15	0.17	0.73	2.05	0.00	36.14	0.00	0.	0.00
328	1.800	30.00	0.00	0.00	0.00	6.76	4.56	0.00	4.56	0.00	1.14	0.16	0.71	2.01	0.00	37.71	0.00	0.	0.00
329	1.700	30.00	0.00	0.00	0.00	6.83	4.38	0.00	4.38	0.00	1.13	0.15	0.69	1.96	0.00	39.29	0.00	0.	0.00
330	1.600	30.00	0.00	0.00	0.00	6.89	4.21	0.00	4.21	0.00	1.11	0.14	0.66	1.91	0.00	40.86	0.00	0.	0.00
331	1.500	30.00	0.00	0.00	0.00	6.95	4.05	0.00	4.05	0.00	1.10	0.13	0.63	1.86	0.00	42.43	0.00	0.	0.00
332	1.400	30.00	0.00	0.00	0.00	7.01	3.90	0.00	3.90	0.00	1.09	0.12	0.61	1.81	0.00	44.00	0.00	0.	0.00
333	1.300	30.00	0.00	0.00	0.00	7.07	3.76	0.00	3.76	0.00	1.08	0.11	0.58	1.77	0.00	45.57	0.00	0.	0.00
334	1.200	30.00	0.00	0.00	0.00	7.13	3.62	0.00	3.62	0.00	1.06	0.11	0.55	1.72	0.00	47.14	0.00	0.	0.00
335	1.100	30.00	0.00	0.00	0.00	7.18	3.49	0.00	3.49	0.00	1.05	0.10	0.52	1.67	0.00	48.71	0.00	0.	0.00
336	1.000	30.00	0.00	0.00	0.00	7.24	3.37	0.00	3.37	0.00	1.04	0.09	0.49	1.62	0.00	50.29	0.00	0.	0.00
337	0.900	30.00	0.00	0.00	0.00	7.30	3.26	0.00	3.26	0.00	1.03	0.09	0.46	1.58	0.00	51.86	0.00	0.	0.00
338	0.800	30.00	0.00	0.00	0.00	7.35	3.15	0.00	3.15	0.00	1.02	0.08	0.43	1.53	0.00	53.43	0.00	0.	0.00
339	0.700	30.00	0.00	0.00	0.00	7.40	3.04	0.00	3.04	0.00	1.01	0.08	0.39	1.48	0.00	55.00	0.00	0.	0.00
340	0.600	30.00	0.00	0.00	0.00	7.46	2.95	0.00	2.95	0.00	1.00	0.08	0.36	1.43	0.00	56.57	0.00	0.	0.00
341	0.500	30.00	0.00	0.00	0.00	7.51	2.85	0.00	2.85	0.00	0.99	0.07	0.33	1.39	0.00	58.14	0.00	0.	0.00
342	0.400	30.00	0.00	0.00	0.00	7.56	2.77	0.00	2.77	0.00	0.98	0.07	0.29	1.34	0.00	59.71	0.00	0.	0.00
343	0.300	30.00	0.00	0.00	0.00	7.61	2.68	0.00	2.68	0.00	0.97	0.07	0.26	1.29	0.00	61.29	0.00	0.	0.00
344	0.200	30.00	0.00	0.00	0.00	7.66	2.60	0.00	2.60	0.00	0.96	0.06	0.22	1.24	0.00	62.86	0.00	0.	0.00
345	0.100	30.00	0.00	0.00	0.00	7.71	2.53	0.00	2.53	0.00	0.95	0.06	0.19	1.20	0.00	64.43	0.00	0.	0.00
346	0.000	30.00	0.00	0.00	0.00	7.76	2.45	0.00	2.45	0.00	0.94	0.06	0.15	1.15	0.00	66.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Chamberlin Canal #1 TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 9.95 DAYS
MAXIMUM EFFLUENT = 37.59 PERCENT
FLOW = 0.00288 TO 0.01201 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.00475 TO 0.02165 m/s
DEPTH = 0.10 TO 0.30 m
WIDTH = 2.00 TO 5.00 m
BOD DECAY = 0.21 TO 0.21 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 1.05 TO 1.88 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 2.81 TO 12.03 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 = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.01 TO 7.76 mg/L

FINAL REPORT Intracoastal Waterwa LA-QUAL Model for Upper Terrebonne
REACH NO. 9 Intracoastal Waterway #1 TMDL Simulation for Upper Terrebonne 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 µg/L	NH3	NO3+2	PHOS	CHL A	COLI #/100mL	NCM

420	HDWTR	7.53000	30.60	0.00	0.00	0.00	7.40	0.55	0.00	0.55	0.00	0.28	0.03	1.70	0.00	0.00	0.00	0.00
428	WSTLD	0.00215	30.00	0.00	0.00	0.00	5.00	52.20	0.00	52.20	0.00	3.80	7.57	10.00	0.00	0.00	0.00	0.00
456	WSTLD	0.00137	30.00	0.00	0.00	0.00	5.00	46.00	0.00	46.00	0.00	3.30	6.67	1.70	0.00	0.00	0.00	0.00
463	WSTLD	0.02191	30.00	0.00	0.00	0.00	5.00	23.00	0.00	23.00	0.00	1.70	3.33	10.00	0.00	0.00	0.00	0.00
550	WSTLD	0.02420	30.00	0.00	0.00	0.00	5.00	34.10	0.00	34.10	0.00	2.50	6.02	10.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	AREA m²	AREA m²	VOLUME m³	PRISM m/s	SURFACE VELO m²/s	X-SECT VELO m/s	TIDAL	TIDAL	DISPRSN	MEAN
420	13.40	13.30	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
421	13.30	13.20	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
422	13.20	13.10	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
423	13.10	13.00	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
424	13.00	12.90	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
425	12.90	12.80	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
426	12.80	12.70	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
427	12.70	12.60	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
428	12.60	12.50	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
429	12.50	12.40	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
430	12.40	12.30	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
431	12.30	12.20	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
432	12.20	12.10	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
433	12.10	12.00	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
434	12.00	11.90	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
435	11.90	11.80	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
436	11.80	11.70	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
437	11.70	11.60	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
438	11.60	11.50	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
439	11.50	11.40	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
440	11.40	11.30	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
441	11.30	11.20	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
442	11.20	11.10	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
443	11.10	11.00	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
444	11.00	10.90	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
445	10.90	10.80	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
446	10.80	10.70	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
447	10.70	10.60	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
448	10.60	10.50	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
449	10.50	10.40	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
450	10.40	10.30	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
451	10.30	10.20	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
452	10.20	10.10	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
453	10.10	10.00	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
454	10.00	9.90	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
455	9.90	9.80	7.53215	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
456	9.80	9.70	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
457	9.70	9.60	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
458	9.60	9.50	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
459	9.50	9.40	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				
460	9.40	9.30	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033				

461	9.30	9.20	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
462	9.20	9.10	7.53352	0.0	0.03304	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
463	9.10	9.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
464	9.00	8.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
465	8.90	8.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
466	8.80	8.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
467	8.70	8.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
468	8.60	8.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
469	8.50	8.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
470	8.40	8.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
471	8.30	8.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
472	8.20	8.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
473	8.10	8.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
474	8.00	7.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
475	7.90	7.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
476	7.80	7.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
477	7.70	7.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
478	7.60	7.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
479	7.50	7.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
480	7.40	7.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
481	7.30	7.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
482	7.20	7.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
483	7.10	7.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
484	7.00	6.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
485	6.90	6.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
486	6.80	6.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
487	6.70	6.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
488	6.60	6.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
489	6.50	6.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
490	6.40	6.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
491	6.30	6.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
492	6.20	6.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
493	6.10	6.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
494	6.00	5.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
495	5.90	5.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
496	5.80	5.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
497	5.70	5.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
498	5.60	5.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
499	5.50	5.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
500	5.40	5.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
501	5.30	5.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
502	5.20	5.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
503	5.10	5.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
504	5.00	4.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
505	4.90	4.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
506	4.80	4.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
507	4.70	4.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
508	4.60	4.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
509	4.50	4.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
510	4.40	4.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033

511	4.30	4.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
512	4.20	4.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
513	4.10	4.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
514	4.00	3.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
515	3.90	3.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
516	3.80	3.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
517	3.70	3.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
518	3.60	3.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
519	3.50	3.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
520	3.40	3.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
521	3.30	3.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
522	3.20	3.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
523	3.10	3.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
524	3.00	2.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
525	2.90	2.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
526	2.80	2.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
527	2.70	2.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
528	2.60	2.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
529	2.50	2.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
530	2.40	2.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
531	2.30	2.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
532	2.20	2.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
533	2.10	2.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
534	2.00	1.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
535	1.90	1.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
536	1.80	1.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
537	1.70	1.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
538	1.60	1.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
539	1.50	1.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
540	1.40	1.30	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
541	1.30	1.20	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
542	1.20	1.10	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
543	1.10	1.00	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
544	1.00	0.90	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
545	0.90	0.80	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
546	0.80	0.70	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
547	0.70	0.60	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
548	0.60	0.50	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
549	0.50	0.40	7.55543	0.3	0.03314	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
550	0.40	0.30	7.57963	0.7	0.03324	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
551	0.30	0.20	7.57963	0.7	0.03324	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
552	0.20	0.10	7.57963	0.7	0.03324	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
553	0.10	0.00	7.57963	0.7	0.03324	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
TOT					4.68			3055200.00	1018400.00						
AVG				0.0331			3.00	76.00			228.00				
CUM					4.68										

********** 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 DECAY	FULL SOD	CORR SOD	ORGN SOD	ORGN DECAY	NH3 SETT	NH3 DECAY	DENIT SRCE	PO4 RATE	ALG SRCE	MAC PROD	COLI PROD	NCM 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

420	13.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
421	13.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
422	13.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
423	13.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
424	12.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	12.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
426	12.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
427	12.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
428	12.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
429	12.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	12.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
431	12.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
432	12.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
433	12.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
434	11.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
435	11.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
436	11.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
437	11.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
438	11.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
439	11.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
440	11.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
441	11.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
442	11.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
443	11.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	10.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
445	10.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
446	10.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
447	10.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
448	10.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449	10.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450	10.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
451	10.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
452	10.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
453	10.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
454	9.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	9.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
456	9.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
457	9.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
458	9.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
459	9.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	9.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
461	9.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
462	9.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
463	9.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
464	8.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
465	8.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466	8.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
467	8.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
468	8.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
469	8.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

470	8.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471	8.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
472	8.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
473	8.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
474	7.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
475	7.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
476	7.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
477	7.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
478	7.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
479	7.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
480	7.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
481	7.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
482	7.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
483	7.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484	6.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	6.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
486	6.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
487	6.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
488	6.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
489	6.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
490	6.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
491	6.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
492	6.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
493	6.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
494	5.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
495	5.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
496	5.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
497	5.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
498	5.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	5.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	5.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
501	5.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502	5.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
503	5.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
504	4.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
505	4.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
506	4.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
507	4.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
508	4.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
509	4.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510	4.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
511	4.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
512	4.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
513	4.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
514	3.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	3.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
516	3.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
517	3.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
518	3.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
519	3.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

520	3.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521	3.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
522	3.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
523	3.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
524	2.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
525	2.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526	2.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527	2.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
528	2.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
529	2.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	2.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
531	2.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532	2.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
533	2.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534	1.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535	1.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
536	1.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
537	1.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
538	1.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
539	1.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	1.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541	1.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
542	1.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
543	1.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
544	0.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
546	0.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
547	0.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
548	0.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549	0.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
550	0.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551	0.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
552	0.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
553	0.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.50			0.02	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
420	13.300	30.00	0.00	0.00	0.00	7.38	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
421	13.200	30.00	0.00	0.00	0.00	7.37	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
422	13.100	30.00	0.00	0.00	0.00	7.35	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
423	13.000	30.00	0.00	0.00	0.00	7.34	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
424	12.900	30.00	0.00	0.00	0.00	7.33	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
425	12.800	30.00	0.00	0.00	0.00	7.31	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
426	12.700	30.00	0.00	0.00	0.00	7.30	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
427	12.600	30.00	0.00	0.00	0.00	7.28	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
428	12.500	30.00	0.00	0.00	0.00	7.27	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
429	12.400	30.00	0.00	0.00	0.00	7.25	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
430	12.300	30.00	0.00	0.00	0.00	7.24	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00

431	12.200	30.00	0.00	0.00	0.00	7.23	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
432	12.100	30.00	0.00	0.00	0.00	7.21	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
433	12.000	30.00	0.00	0.00	0.00	7.20	0.55	0.00	0.55	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
434	11.900	30.00	0.00	0.00	0.00	7.19	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
435	11.800	30.00	0.00	0.00	0.00	7.17	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
436	11.700	30.00	0.00	0.00	0.00	7.16	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
437	11.600	30.00	0.00	0.00	0.00	7.15	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
438	11.500	30.00	0.00	0.00	0.00	7.14	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
439	11.400	30.00	0.00	0.00	0.00	7.12	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
440	11.300	30.00	0.00	0.00	0.00	7.11	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
441	11.200	30.00	0.00	0.00	0.00	7.10	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
442	11.100	30.00	0.00	0.00	0.00	7.09	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
443	11.000	30.00	0.00	0.00	0.00	7.08	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
444	10.900	30.00	0.00	0.00	0.00	7.06	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
445	10.800	30.00	0.00	0.00	0.00	7.05	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
446	10.700	30.00	0.00	0.00	0.00	7.04	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
447	10.600	30.00	0.00	0.00	0.00	7.03	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
448	10.500	30.00	0.00	0.00	0.00	7.02	0.53	0.00	0.53	0.00	0.29	0.03	1.71	2.03	0.00	0.00	0.00	0.	0.00
449	10.400	30.00	0.00	0.00	0.00	7.01	0.53	0.00	0.53	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
450	10.300	30.00	0.00	0.00	0.00	7.00	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
451	10.200	30.00	0.00	0.00	0.00	6.99	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
452	10.100	30.00	0.00	0.00	0.00	6.97	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
453	10.000	30.00	0.00	0.00	0.00	6.96	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
454	9.900	30.00	0.00	0.00	0.00	6.95	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
455	9.800	30.00	0.00	0.00	0.00	6.94	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
456	9.700	30.00	0.00	0.00	0.00	6.93	0.53	0.00	0.53	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
457	9.600	30.00	0.00	0.00	0.00	6.92	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
458	9.500	30.00	0.00	0.00	0.00	6.91	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
459	9.400	30.00	0.00	0.00	0.00	6.90	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
460	9.300	30.00	0.00	0.00	0.00	6.89	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
461	9.200	30.00	0.00	0.00	0.00	6.88	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
462	9.100	30.00	0.00	0.00	0.00	6.87	0.52	0.00	0.52	0.00	0.29	0.03	1.72	2.03	0.00	0.00	0.00	0.	0.00
463	9.000	30.00	0.00	0.00	0.00	6.86	0.58	0.00	0.58	0.00	0.29	0.04	1.75	2.07	0.00	0.00	0.00	0.	0.00
464	8.900	30.00	0.00	0.00	0.00	6.85	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.00	0.00	0.	0.00
465	8.800	30.00	0.00	0.00	0.00	6.84	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.00	0.00	0.	0.00
466	8.700	30.00	0.00	0.00	0.00	6.83	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.00	0.00	0.	0.00
467	8.600	30.00	0.00	0.00	0.00	6.82	0.58	0.00	0.58	0.00	0.29	0.03	1.75	2.07	0.00	0.00	0.00	0.	0.00
468	8.500	30.00	0.00	0.00	0.00	6.81	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.07	0.00	0.00	0.00	0.	0.00
469	8.400	30.00	0.00	0.00	0.00	6.80	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
470	8.300	30.00	0.00	0.00	0.00	6.79	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
471	8.200	30.00	0.00	0.00	0.00	6.78	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
472	8.100	30.00	0.00	0.00	0.00	6.77	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
473	8.000	30.00	0.00	0.00	0.00	6.76	0.57	0.00	0.57	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
474	7.900	30.00	0.00	0.00	0.00	6.75	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
475	7.800	30.00	0.00	0.00	0.00	6.74	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
476	7.700	30.00	0.00	0.00	0.00	6.73	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
477	7.600	30.00	0.00	0.00	0.00	6.72	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
478	7.500	30.00	0.00	0.00	0.00	6.71	0.56	0.00	0.56	0.00	0.29	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
479	7.400	30.00	0.00	0.00	0.00	6.71	0.56	0.00	0.56	0.00	0.30	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
480	7.300	30.00	0.00	0.00	0.00	6.70	0.56	0.00	0.56	0.00	0.30	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00

481	7.200	30.00	0.00	0.00	0.00	6.69	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
482	7.100	30.00	0.00	0.00	0.00	6.68	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
483	7.000	30.00	0.00	0.00	0.00	6.67	0.55	0.00	0.55	0.00	0.30	0.03	1.75	2.08	0.00	0.00	0.00	0.	0.00
484	6.900	30.00	0.00	0.00	0.00	6.66	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
485	6.800	30.00	0.00	0.00	0.00	6.66	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
486	6.700	30.00	0.00	0.00	0.00	6.65	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
487	6.600	30.00	0.00	0.00	0.00	6.64	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
488	6.500	30.00	0.00	0.00	0.00	6.63	0.55	0.00	0.55	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
489	6.400	30.00	0.00	0.00	0.00	6.63	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
490	6.300	30.00	0.00	0.00	0.00	6.62	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
491	6.200	30.00	0.00	0.00	0.00	6.61	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
492	6.100	30.00	0.00	0.00	0.00	6.60	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
493	6.000	30.00	0.00	0.00	0.00	6.60	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.08	0.00	0.00	0.00	0.	0.00
494	5.900	30.00	0.00	0.00	0.00	6.59	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
495	5.800	30.00	0.00	0.00	0.00	6.58	0.54	0.00	0.54	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
496	5.700	30.00	0.00	0.00	0.00	6.58	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
497	5.600	30.00	0.00	0.00	0.00	6.57	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
498	5.500	30.00	0.00	0.00	0.00	6.56	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
499	5.400	30.00	0.00	0.00	0.00	6.55	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
500	5.300	30.00	0.00	0.00	0.00	6.55	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
501	5.200	30.00	0.00	0.00	0.00	6.54	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
502	5.100	30.00	0.00	0.00	0.00	6.54	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
503	5.000	30.00	0.00	0.00	0.00	6.53	0.53	0.00	0.53	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
504	4.900	30.00	0.00	0.00	0.00	6.52	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
505	4.800	30.00	0.00	0.00	0.00	6.52	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
506	4.700	30.00	0.00	0.00	0.00	6.51	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
507	4.600	30.00	0.00	0.00	0.00	6.50	0.52	0.00	0.52	0.00	0.30	0.03	1.76	2.09	0.00	0.00	0.00	0.	0.00
508	4.500	30.00	0.00	0.00	0.00	6.50	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
509	4.400	30.00	0.00	0.00	0.00	6.49	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
510	4.300	30.00	0.00	0.00	0.00	6.49	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
511	4.200	30.00	0.00	0.00	0.00	6.48	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
512	4.100	30.00	0.00	0.00	0.00	6.48	0.52	0.00	0.52	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
513	4.000	30.00	0.00	0.00	0.00	6.47	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
514	3.900	30.00	0.00	0.00	0.00	6.46	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
515	3.800	30.00	0.00	0.00	0.00	6.46	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
516	3.700	30.00	0.00	0.00	0.00	6.45	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
517	3.600	30.00	0.00	0.00	0.00	6.45	0.51	0.00	0.51	0.00	0.30	0.03	1.77	2.09	0.00	0.00	0.00	0.	0.00
518	3.500	30.00	0.00	0.00	0.00	6.44	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.09	0.00	0.00	0.00	0.	0.00
519	3.400	30.00	0.00	0.00	0.00	6.44	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
520	3.300	30.00	0.00	0.00	0.00	6.43	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
521	3.200	30.00	0.00	0.00	0.00	6.43	0.51	0.00	0.51	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
522	3.100	30.00	0.00	0.00	0.00	6.42	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
523	3.000	30.00	0.00	0.00	0.00	6.42	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
524	2.900	30.00	0.00	0.00	0.00	6.41	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
525	2.800	30.00	0.00	0.00	0.00	6.41	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
526	2.700	30.00	0.00	0.00	0.00	6.40	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
527	2.600	30.00	0.00	0.00	0.00	6.40	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
528	2.500	30.00	0.00	0.00	0.00	6.39	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
529	2.400	30.00	0.00	0.00	0.00	6.39	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
530	2.300	30.00	0.00	0.00	0.00	6.38	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00

531	2.200	30.00	0.00	0.00	0.00	6.38	0.50	0.00	0.50	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
532	2.100	30.00	0.00	0.00	0.00	6.38	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
533	2.000	30.00	0.00	0.00	0.00	6.37	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
534	1.900	30.00	0.00	0.00	0.00	6.37	0.49	0.00	0.49	0.00	0.30	0.02	1.77	2.10	0.00	0.00	0.00	0.	0.00
535	1.800	30.00	0.00	0.00	0.00	6.36	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
536	1.700	30.00	0.00	0.00	0.00	6.36	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
537	1.600	30.00	0.00	0.00	0.00	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
538	1.500	30.00	0.00	0.00	0.00	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
539	1.400	30.00	0.00	0.00	0.00	6.35	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
540	1.300	30.00	0.00	0.00	0.00	6.34	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
541	1.200	30.00	0.00	0.00	0.00	6.34	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
542	1.100	30.00	0.00	0.00	0.00	6.33	0.49	0.00	0.49	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
543	1.000	30.00	0.00	0.00	0.00	6.33	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.10	0.00	0.00	0.00	0.	0.00
544	0.900	30.00	0.00	0.00	0.00	6.33	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
545	0.800	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
546	0.700	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
547	0.600	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
548	0.500	30.00	0.00	0.00	0.00	6.31	0.48	0.00	0.48	0.00	0.30	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
549	0.400	30.00	0.00	0.00	0.00	6.31	0.48	0.00	0.48	0.00	0.31	0.02	1.78	2.11	0.00	0.00	0.00	0.	0.00
550	0.300	30.00	0.00	0.00	0.00	6.30	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.00	0.00	0.	0.00
551	0.200	30.00	0.00	0.00	0.00	6.29	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.00	0.00	0.	0.00
552	0.100	30.00	0.00	0.00	0.00	6.29	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.00	0.00	0.	0.00
553	0.000	30.00	0.00	0.00	0.00	6.28	0.58	0.00	0.58	0.00	0.31	0.04	1.81	2.16	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Intracoastal Waterwa TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 4.68 DAYS
MAXIMUM EFFLUENT = 0.65 PERCENT
FLOW = 7.53000 TO 7.57963 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.03303 TO 0.03324 m/s
DEPTH = 3.00 TO 3.00 m
WIDTH = 76.00 TO 76.00 m
BOD DECAY = 0.21 TO 0.21 per day
NH3 DECAY = 0.42 TO 0.44 per day
SOD = 0.94 TO 0.94 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.28 TO 0.28 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 6.28 TO 7.38 mg/L

FINAL REPORT Bayou Plaquemine LA-QUAL Model for Upper Terrebonne
REACH NO. 11 Bayou Plaquemine TMDL Simulation for Upper Terrebonne 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
710	HDWTR	0.77000	30.60	0.00	0.00	0.00	5.00	4.93	0.00	4.93	0.00	1.60	0.00	1.60	0.00	58.00	0.00	0.00
739	WSTLD	0.08215	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	4.00	1.60	0.00	0.00	0.00	0.00
779	WSTLD	0.00356	30.00	0.00	0.00	0.00	5.00	23.00	0.00	23.00	0.00	1.70	3.33	1.60	0.00	0.00	0.00	0.00

782	WSTLD	0.00131	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	1.60	0.00	0.00	0.00	0.00
785	WSTLD	0.00027	30.00	0.00	0.00	0.00	5.00	103.50	0.00	103.50	0.00	7.50	15.00	1.60	0.00	0.00	0.00	0.00
796	WSTLD	0.00014	30.00	0.00	0.00	0.00	5.00	69.00	0.00	69.00	0.00	5.00	10.00	1.60	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 VOLUME m³	TIDAL PRISM m/s	DISPRSN m²/s	MEAN VELO m/s
710	11.90	11.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
711	11.80	11.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
712	11.70	11.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
713	11.60	11.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
714	11.50	11.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
715	11.40	11.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
716	11.30	11.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
717	11.20	11.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
718	11.10	11.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
719	11.00	10.90	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
720	10.90	10.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
721	10.80	10.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
722	10.70	10.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
723	10.60	10.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
724	10.50	10.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
725	10.40	10.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
726	10.30	10.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
727	10.20	10.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
728	10.10	10.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
729	10.00	9.90	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
730	9.90	9.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
731	9.80	9.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
732	9.70	9.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
733	9.60	9.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
734	9.50	9.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
735	9.40	9.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
736	9.30	9.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
737	9.20	9.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
738	9.10	9.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
739	9.00	8.90	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
740	8.90	8.80	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
741	8.80	8.70	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
742	8.70	8.60	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
743	8.60	8.50	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
744	8.50	8.40	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
745	8.40	8.30	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
746	8.30	8.20	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
747	8.20	8.10	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
748	8.10	8.00	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
749	8.00	7.90	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
750	7.90	7.80	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
751	7.80	7.70	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
752	7.70	7.60	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026

753	7.60	7.50	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
754	7.50	7.40	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
755	7.40	7.30	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
756	7.30	7.20	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
757	7.20	7.10	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
758	7.10	7.00	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
759	7.00	6.90	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
760	6.90	6.80	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
761	6.80	6.70	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
762	6.70	6.60	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
763	6.60	6.50	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
764	6.50	6.40	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
765	6.40	6.30	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
766	6.30	6.20	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
767	6.20	6.10	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
768	6.10	6.00	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
769	6.00	5.90	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
770	5.90	5.80	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
771	5.80	5.70	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
772	5.70	5.60	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
773	5.60	5.50	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
774	5.50	5.40	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
775	5.40	5.30	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
776	5.30	5.20	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
777	5.20	5.10	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
778	5.10	5.00	0.85215	9.6	0.02582	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
779	5.00	4.90	0.85571	10.0	0.02593	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
780	4.90	4.80	0.85571	10.0	0.02593	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
781	4.80	4.70	0.85571	10.0	0.02593	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
782	4.70	4.60	0.85702	10.2	0.02597	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
783	4.60	4.50	0.85702	10.2	0.02597	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
784	4.50	4.40	0.85702	10.2	0.02597	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
785	4.40	4.30	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
786	4.30	4.20	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
787	4.20	4.10	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
788	4.10	4.00	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
789	4.00	3.90	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
790	3.90	3.80	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
791	3.80	3.70	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
792	3.70	3.60	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
793	3.60	3.50	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
794	3.50	3.40	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
795	3.40	3.30	0.85729	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
796	3.30	3.20	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
797	3.20	3.10	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
798	3.10	3.00	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
799	3.00	2.90	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
800	2.90	2.80	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
801	2.80	2.70	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
802	2.70	2.60	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026

803	2.60	2.50	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
804	2.50	2.40	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
805	2.40	2.30	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
806	2.30	2.20	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
807	2.20	2.10	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
808	2.10	2.00	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
809	2.00	1.90	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
810	1.90	1.80	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
811	1.80	1.70	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
812	1.70	1.60	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
813	1.60	1.50	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
814	1.50	1.40	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
815	1.40	1.30	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
816	1.30	1.20	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
817	1.20	1.10	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
818	1.10	1.00	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
819	1.00	0.90	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
820	0.90	0.80	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
821	0.80	0.70	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
822	0.70	0.60	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
823	0.60	0.50	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
824	0.50	0.40	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
825	0.40	0.30	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
826	0.30	0.20	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
827	0.20	0.10	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
828	0.10	0.00	0.85743	10.2	0.02598	0.04	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.026
TOT					5.46			392700.00	357000.00						
AVG				0.0252			1.10	30.00			33.00				
CUM					5.46										

********** 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			
710	11.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.55	0.00	0.00	0.00	0.00		
711	11.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00		
712	11.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.47	0.00	0.00	0.00	0.00		
713	11.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00		
714	11.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00		
715	11.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00		
716	11.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.32	0.00	0.00	0.00	0.00		
717	11.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00		
718	11.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.24	0.00	0.00	0.00	0.00		
719	10.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00		
720	10.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00		
721	10.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00		
722	10.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00		
723	10.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.05	0.00	0.00	0.00	0.00		
724	10.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00		
725	10.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00		
726	10.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00		

727	10.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.90	0.00	0.00	0.00	0.00
728	10.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
729	9.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00
730	9.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.78	0.00	0.00	0.00	0.00
731	9.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.00
732	9.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00
733	9.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.66	0.00	0.00	0.00	0.00
734	9.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.63	0.00	0.00	0.00	0.00
735	9.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.59	0.00	0.00	0.00	0.00
736	9.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.55	0.00	0.00	0.00	0.00
737	9.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
738	9.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.47	0.00	0.00	0.00	0.00
739	8.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
740	8.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.39	0.00	0.00	0.00	0.00
741	8.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
742	8.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00
743	8.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
744	8.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00
745	8.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00
746	8.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
747	8.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00
748	8.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00
749	7.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00
750	7.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
751	7.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
752	7.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
753	7.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
754	7.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
755	7.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
756	7.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
757	7.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
758	7.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
759	6.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
760	6.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
761	6.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
762	6.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
763	6.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00
764	6.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00
765	6.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
766	6.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
767	6.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00
768	6.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
769	5.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.28	0.00	0.00	0.00	0.00
770	5.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
771	5.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
772	5.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
773	5.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
774	5.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
775	5.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
776	5.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00

777	5.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
778	5.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
779	4.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
780	4.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
781	4.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
782	4.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
783	4.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
784	4.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
785	4.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
786	4.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
787	4.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
788	4.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
789	3.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
790	3.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
791	3.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
792	3.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
793	3.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
794	3.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
795	3.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
796	3.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
797	3.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
798	3.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
799	2.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
800	2.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
801	2.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
802	2.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
803	2.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
804	2.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
805	2.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
806	2.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
807	2.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00
808	2.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00
809	1.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
810	1.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00
811	1.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00
812	1.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
813	1.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
814	1.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
815	1.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
816	1.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00
817	1.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00
818	1.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
819	0.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
820	0.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
821	0.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
822	0.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
823	0.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00
824	0.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
825	0.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
826	0.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00

827 0.100 7.56 0.77 0.17 0.00 0.00 0.00 0.00 0.00 0.94 0.94 0.94 0.02 0.00 0.41 0.00 0.00 0.00 0.04 0.00 0.00 0.00 0.00
828 0.000 7.56 0.77 0.17 0.00 0.00 0.00 0.00 0.00 0.94 0.94 0.94 0.02 0.00 0.41 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
AVG 20 DEG C RATE 0.64 0.11 0.00 0.00 0.00 0.00 0.00 0.50 0.02 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
710	11.800	30.00	0.00	0.00	0.00	5.23	4.93	0.00	4.93	0.00	1.60	0.00	1.59	3.19	0.00	57.51	0.00	0.	0.00
711	11.700	30.00	0.00	0.00	0.00	5.45	4.94	0.00	4.94	0.00	1.60	0.00	1.58	3.18	0.00	57.03	0.00	0.	0.00
712	11.600	30.00	0.00	0.00	0.00	5.66	4.94	0.00	4.94	0.00	1.59	0.01	1.57	3.17	0.00	56.54	0.00	0.	0.00
713	11.500	30.00	0.00	0.00	0.00	5.86	4.94	0.00	4.94	0.00	1.59	0.01	1.56	3.16	0.00	56.05	0.00	0.	0.00
714	11.400	30.00	0.00	0.00	0.00	6.05	4.95	0.00	4.95	0.00	1.59	0.01	1.55	3.14	0.00	55.56	0.00	0.	0.00
715	11.300	30.00	0.00	0.00	0.00	6.23	4.95	0.00	4.95	0.00	1.59	0.01	1.53	3.13	0.00	55.08	0.00	0.	0.00
716	11.200	30.00	0.00	0.00	0.00	6.40	4.95	0.00	4.95	0.00	1.59	0.01	1.52	3.12	0.00	54.59	0.00	0.	0.00
717	11.100	30.00	0.00	0.00	0.00	6.56	4.95	0.00	4.95	0.00	1.58	0.01	1.51	3.11	0.00	54.10	0.00	0.	0.00
718	11.000	30.00	0.00	0.00	0.00	6.72	4.96	0.00	4.96	0.00	1.58	0.02	1.50	3.10	0.00	53.61	0.00	0.	0.00
719	10.900	30.00	0.00	0.00	0.00	6.87	4.96	0.00	4.96	0.00	1.58	0.02	1.49	3.09	0.00	53.13	0.00	0.	0.00
720	10.800	30.00	0.00	0.00	0.00	7.01	4.96	0.00	4.96	0.00	1.58	0.02	1.48	3.08	0.00	52.64	0.00	0.	0.00
721	10.700	30.00	0.00	0.00	0.00	7.14	4.97	0.00	4.97	0.00	1.58	0.02	1.47	3.07	0.00	52.15	0.00	0.	0.00
722	10.600	30.00	0.00	0.00	0.00	7.27	4.97	0.00	4.97	0.00	1.58	0.02	1.46	3.06	0.00	51.66	0.00	0.	0.00
723	10.500	30.00	0.00	0.00	0.00	7.39	4.97	0.00	4.97	0.00	1.57	0.02	1.45	3.05	0.00	51.18	0.00	0.	0.00
724	10.400	30.00	0.00	0.00	0.00	7.50	4.97	0.00	4.97	0.00	1.57	0.02	1.45	3.04	0.00	50.69	0.00	0.	0.00
725	10.300	30.00	0.00	0.00	0.00	7.61	4.98	0.00	4.98	0.00	1.57	0.03	1.44	3.03	0.00	50.20	0.00	0.	0.00
726	10.200	30.00	0.00	0.00	0.00	7.71	4.98	0.00	4.98	0.00	1.57	0.03	1.43	3.02	0.00	49.71	0.00	0.	0.00
727	10.100	30.00	0.00	0.00	0.00	7.81	4.98	0.00	4.98	0.00	1.57	0.03	1.42	3.01	0.00	49.23	0.00	0.	0.00
728	10.000	30.00	0.00	0.00	0.00	7.90	4.98	0.00	4.98	0.00	1.56	0.03	1.41	3.00	0.00	48.74	0.00	0.	0.00
729	9.900	30.00	0.00	0.00	0.00	7.98	4.99	0.00	4.99	0.00	1.56	0.03	1.40	2.99	0.00	48.25	0.00	0.	0.00
730	9.800	30.00	0.00	0.00	0.00	8.06	4.99	0.00	4.99	0.00	1.56	0.03	1.39	2.98	0.00	47.76	0.00	0.	0.00
731	9.700	30.00	0.00	0.00	0.00	8.14	4.99	0.00	4.99	0.00	1.56	0.03	1.38	2.97	0.00	47.28	0.00	0.	0.00
732	9.600	30.00	0.00	0.00	0.00	8.21	5.00	0.00	5.00	0.00	1.56	0.03	1.37	2.96	0.00	46.79	0.00	0.	0.00
733	9.500	30.00	0.00	0.00	0.00	8.27	5.00	0.00	5.00	0.00	1.55	0.04	1.37	2.96	0.00	46.30	0.00	0.	0.00
734	9.400	30.00	0.00	0.00	0.00	8.33	5.00	0.00	5.00	0.00	1.55	0.04	1.36	2.95	0.00	45.82	0.00	0.	0.00
735	9.300	30.00	0.00	0.00	0.00	8.39	5.00	0.00	5.00	0.00	1.55	0.04	1.35	2.94	0.00	45.33	0.00	0.	0.00
736	9.200	30.00	0.00	0.00	0.00	8.44	5.01	0.00	5.01	0.00	1.55	0.04	1.34	2.93	0.00	44.84	0.00	0.	0.00
737	9.100	30.00	0.00	0.00	0.00	8.49	5.01	0.00	5.01	0.00	1.55	0.04	1.33	2.92	0.00	44.35	0.00	0.	0.00
738	9.000	30.00	0.00	0.00	0.00	8.54	5.01	0.00	5.01	0.00	1.54	0.04	1.33	2.91	0.00	43.87	0.00	0.	0.00
739	8.900	30.00	0.00	0.00	0.00	8.17	11.13	0.00	11.13	0.00	1.88	0.42	1.35	3.64	0.00	43.38	0.00	0.	0.00
740	8.800	30.00	0.00	0.00	0.00	8.14	11.09	0.00	11.09	0.00	1.87	0.41	1.35	3.64	0.00	42.89	0.00	0.	0.00
741	8.700	30.00	0.00	0.00	0.00	8.12	11.04	0.00	11.04	0.00	1.87	0.40	1.35	3.63	0.00	42.40	0.00	0.	0.00
742	8.600	30.00	0.00	0.00	0.00	8.09	11.00	0.00	11.00	0.00	1.87	0.40	1.35	3.62	0.00	41.92	0.00	0.	0.00
743	8.500	30.00	0.00	0.00	0.00	8.06	10.95	0.00	10.95	0.00	1.87	0.39	1.35	3.62	0.00	41.43	0.00	0.	0.00
744	8.400	30.00	0.00	0.00	0.00	8.03	10.91	0.00	10.91	0.00	1.87	0.39	1.36	3.61	0.00	40.94	0.00	0.	0.00
745	8.300	30.00	0.00	0.00	0.00	8.01	10.87	0.00	10.87	0.00	1.86	0.38	1.36	3.60	0.00	40.45	0.00	0.	0.00
746	8.200	30.00	0.00	0.00	0.00	7.98	10.82	0.00	10.82	0.00	1.86	0.38	1.36	3.59	0.00	39.97	0.00	0.	0.00
747	8.100	30.00	0.00	0.00	0.00	7.95	10.78	0.00	10.78	0.00	1.86	0.37	1.36	3.59	0.00	39.48	0.00	0.	0.00
748	8.000	30.00	0.00	0.00	0.00	7.92	10.74	0.00	10.74	0.00	1.86	0.37	1.36	3.58	0.00	38.99	0.00	0.	0.00
749	7.900	30.00	0.00	0.00	0.00	7.90	10.70	0.00	10.70	0.00	1.86	0.36	1.36	3.57	0.00	38.50	0.00	0.	0.00
750	7.800	30.00	0.00	0.00	0.00	7.87	10.65	0.00	10.65	0.00	1.85	0.36	1.36	3.57	0.00	38.02	0.00	0.	0.00
751	7.700	30.00	0.00	0.00	0.00	7.84	10.61	0.00	10.61	0.00	1.85	0.35	1.36	3.56	0.00	37.53	0.00	0.	0.00
752	7.600	30.00	0.00	0.00	0.00	7.81	10.57	0.00	10.57	0.00	1.85	0.35	1.36	3.55	0.00	37.04	0.00	0.	0.00

753	7.500	30.00	0.00	0.00	0.00	7.79	10.53	0.00	10.53	0.00	1.85	0.34	1.36	3.55	0.00	36.55	0.00	0.	0.00
754	7.400	30.00	0.00	0.00	0.00	7.76	10.49	0.00	10.49	0.00	1.85	0.34	1.36	3.54	0.00	36.07	0.00	0.	0.00
755	7.300	30.00	0.00	0.00	0.00	7.73	10.45	0.00	10.45	0.00	1.84	0.33	1.36	3.53	0.00	35.58	0.00	0.	0.00
756	7.200	30.00	0.00	0.00	0.00	7.70	10.41	0.00	10.41	0.00	1.84	0.33	1.36	3.53	0.00	35.09	0.00	0.	0.00
757	7.100	30.00	0.00	0.00	0.00	7.67	10.37	0.00	10.37	0.00	1.84	0.32	1.36	3.52	0.00	34.61	0.00	0.	0.00
758	7.000	30.00	0.00	0.00	0.00	7.65	10.33	0.00	10.33	0.00	1.84	0.32	1.36	3.52	0.00	34.12	0.00	0.	0.00
759	6.900	30.00	0.00	0.00	0.00	7.62	10.29	0.00	10.29	0.00	1.84	0.31	1.36	3.51	0.00	33.63	0.00	0.	0.00
760	6.800	30.00	0.00	0.00	0.00	7.59	10.25	0.00	10.25	0.00	1.83	0.31	1.36	3.50	0.00	33.14	0.00	0.	0.00
761	6.700	30.00	0.00	0.00	0.00	7.56	10.22	0.00	10.22	0.00	1.83	0.31	1.36	3.50	0.00	32.66	0.00	0.	0.00
762	6.600	30.00	0.00	0.00	0.00	7.53	10.18	0.00	10.18	0.00	1.83	0.30	1.36	3.49	0.00	32.17	0.00	0.	0.00
763	6.500	30.00	0.00	0.00	0.00	7.50	10.14	0.00	10.14	0.00	1.83	0.30	1.36	3.49	0.00	31.68	0.00	0.	0.00
764	6.400	30.00	0.00	0.00	0.00	7.48	10.10	0.00	10.10	0.00	1.83	0.30	1.36	3.48	0.00	31.19	0.00	0.	0.00
765	6.300	30.00	0.00	0.00	0.00	7.45	10.06	0.00	10.06	0.00	1.82	0.29	1.36	3.48	0.00	30.71	0.00	0.	0.00
766	6.200	30.00	0.00	0.00	0.00	7.42	10.03	0.00	10.03	0.00	1.82	0.29	1.36	3.47	0.00	30.22	0.00	0.	0.00
767	6.100	30.00	0.00	0.00	0.00	7.39	9.99	0.00	9.99	0.00	1.82	0.28	1.36	3.46	0.00	29.73	0.00	0.	0.00
768	6.000	30.00	0.00	0.00	0.00	7.36	9.95	0.00	9.95	0.00	1.82	0.28	1.36	3.46	0.00	29.24	0.00	0.	0.00
769	5.900	30.00	0.00	0.00	0.00	7.33	9.92	0.00	9.92	0.00	1.82	0.28	1.36	3.45	0.00	28.76	0.00	0.	0.00
770	5.800	30.00	0.00	0.00	0.00	7.30	9.88	0.00	9.88	0.00	1.81	0.27	1.36	3.45	0.00	28.27	0.00	0.	0.00
771	5.700	30.00	0.00	0.00	0.00	7.27	9.85	0.00	9.85	0.00	1.81	0.27	1.36	3.44	0.00	27.78	0.00	0.	0.00
772	5.600	30.00	0.00	0.00	0.00	7.24	9.81	0.00	9.81	0.00	1.81	0.27	1.36	3.44	0.00	27.29	0.00	0.	0.00
773	5.500	30.00	0.00	0.00	0.00	7.21	9.78	0.00	9.78	0.00	1.81	0.26	1.36	3.43	0.00	26.81	0.00	0.	0.00
774	5.400	30.00	0.00	0.00	0.00	7.18	9.74	0.00	9.74	0.00	1.81	0.26	1.36	3.43	0.00	26.32	0.00	0.	0.00
775	5.300	30.00	0.00	0.00	0.00	7.15	9.71	0.00	9.71	0.00	1.80	0.26	1.36	3.43	0.00	25.83	0.00	0.	0.00
776	5.200	30.00	0.00	0.00	0.00	7.12	9.67	0.00	9.67	0.00	1.80	0.26	1.36	3.42	0.00	25.34	0.00	0.	0.00
777	5.100	30.00	0.00	0.00	0.00	7.09	9.64	0.00	9.64	0.00	1.80	0.25	1.36	3.42	0.00	24.86	0.00	0.	0.00
778	5.000	30.00	0.00	0.00	0.00	7.06	9.61	0.00	9.61	0.00	1.80	0.25	1.37	3.41	0.00	24.37	0.00	0.	0.00
779	4.900	30.00	0.00	0.00	0.00	7.02	9.63	0.00	9.63	0.00	1.80	0.26	1.37	3.42	0.00	23.88	0.00	0.	0.00
780	4.800	30.00	0.00	0.00	0.00	6.99	9.59	0.00	9.59	0.00	1.79	0.26	1.37	3.42	0.00	23.39	0.00	0.	0.00
781	4.700	30.00	0.00	0.00	0.00	6.96	9.56	0.00	9.56	0.00	1.79	0.25	1.37	3.41	0.00	22.91	0.00	0.	0.00
782	4.600	30.00	0.00	0.00	0.00	6.92	9.62	0.00	9.62	0.00	1.79	0.27	1.37	3.43	0.00	22.42	0.00	0.	0.00
783	4.500	30.00	0.00	0.00	0.00	6.89	9.59	0.00	9.59	0.00	1.79	0.26	1.37	3.43	0.00	21.93	0.00	0.	0.00
784	4.400	30.00	0.00	0.00	0.00	6.85	9.55	0.00	9.55	0.00	1.79	0.26	1.37	3.42	0.00	21.45	0.00	0.	0.00
785	4.300	30.00	0.00	0.00	0.00	6.82	9.55	0.00	9.55	0.00	1.79	0.26	1.37	3.42	0.00	20.96	0.00	0.	0.00
786	4.200	30.00	0.00	0.00	0.00	6.78	9.52	0.00	9.52	0.00	1.79	0.26	1.38	3.42	0.00	20.47	0.00	0.	0.00
787	4.100	30.00	0.00	0.00	0.00	6.75	9.48	0.00	9.48	0.00	1.79	0.25	1.38	3.42	0.00	19.98	0.00	0.	0.00
788	4.000	30.00	0.00	0.00	0.00	6.71	9.45	0.00	9.45	0.00	1.78	0.25	1.38	3.41	0.00	19.50	0.00	0.	0.00
789	3.900	30.00	0.00	0.00	0.00	6.68	9.42	0.00	9.42	0.00	1.78	0.25	1.38	3.41	0.00	19.01	0.00	0.	0.00
790	3.800	30.00	0.00	0.00	0.00	6.64	9.39	0.00	9.39	0.00	1.78	0.25	1.38	3.41	0.00	18.52	0.00	0.	0.00
791	3.700	30.00	0.00	0.00	0.00	6.61	9.36	0.00	9.36	0.00	1.78	0.24	1.38	3.40	0.00	18.03	0.00	0.	0.00
792	3.600	30.00	0.00	0.00	0.00	6.57	9.33	0.00	9.33	0.00	1.78	0.24	1.38	3.40	0.00	17.55	0.00	0.	0.00
793	3.500	30.00	0.00	0.00	0.00	6.54	9.29	0.00	9.29	0.00	1.77	0.24	1.39	3.40	0.00	17.06	0.00	0.	0.00
794	3.400	30.00	0.00	0.00	0.00	6.50	9.26	0.00	9.26	0.00	1.77	0.24	1.39	3.40	0.00	16.57	0.00	0.	0.00
795	3.300	30.00	0.00	0.00	0.00	6.47	9.23	0.00	9.23	0.00	1.77	0.23	1.39	3.39	0.00	16.08	0.00	0.	0.00
796	3.200	30.00	0.00	0.00	0.00	6.43	9.21	0.00	9.21	0.00	1.77	0.23	1.39	3.39	0.00	15.60	0.00	0.	0.00
797	3.100	30.00	0.00	0.00	0.00	6.40	9.18	0.00	9.18	0.00	1.77	0.23	1.39	3.39	0.00	15.11	0.00	0.	0.00
798	3.000	30.00	0.00	0.00	0.00	6.36	9.15	0.00	9.15	0.00	1.77	0.23	1.39	3.39	0.00	14.62	0.00	0.	0.00
799	2.900	30.00	0.00	0.00	0.00	6.33	9.12	0.00	9.12	0.00	1.76	0.23	1.40	3.38	0.00	14.13	0.00	0.	0.00
800	2.800	30.00	0.00	0.00	0.00	6.29	9.09	0.00	9.09	0.00	1.76	0.22	1.40	3.38	0.00	13.65	0.00	0.	0.00
801	2.700	30.00	0.00	0.00	0.00	6.26	9.06	0.00	9.06	0.00	1.76	0.22	1.40	3.38	0.00	13.16	0.00	0.	0.00
802	2.600	30.00	0.00	0.00	0.00	6.22	9.03	0.00	9.03	0.00	1.76	0.22	1.40	3.38	0.00	12.67	0.00	0.	0.00

803	2.500	30.00	0.00	0.00	0.00	6.19	9.01	0.00	9.01	0.00	1.76	0.22	1.40	3.38	0.00	12.18	0.00	0.	0.00
804	2.400	30.00	0.00	0.00	0.00	6.15	8.98	0.00	8.98	0.00	1.75	0.21	1.40	3.37	0.00	11.70	0.00	0.	0.00
805	2.300	30.00	0.00	0.00	0.00	6.11	8.95	0.00	8.95	0.00	1.75	0.21	1.41	3.37	0.00	11.21	0.00	0.	0.00
806	2.200	30.00	0.00	0.00	0.00	6.08	8.92	0.00	8.92	0.00	1.75	0.21	1.41	3.37	0.00	10.72	0.00	0.	0.00
807	2.100	30.00	0.00	0.00	0.00	6.04	8.89	0.00	8.89	0.00	1.75	0.21	1.41	3.37	0.00	10.24	0.00	0.	0.00
808	2.000	30.00	0.00	0.00	0.00	6.01	8.87	0.00	8.87	0.00	1.75	0.21	1.41	3.37	0.00	9.75	0.00	0.	0.00
809	1.900	30.00	0.00	0.00	0.00	5.97	8.84	0.00	8.84	0.00	1.74	0.20	1.42	3.36	0.00	9.26	0.00	0.	0.00
810	1.800	30.00	0.00	0.00	0.00	5.93	8.81	0.00	8.81	0.00	1.74	0.20	1.42	3.36	0.00	8.77	0.00	0.	0.00
811	1.700	30.00	0.00	0.00	0.00	5.90	8.78	0.00	8.78	0.00	1.74	0.20	1.42	3.36	0.00	8.29	0.00	0.	0.00
812	1.600	30.00	0.00	0.00	0.00	5.86	8.76	0.00	8.76	0.00	1.74	0.20	1.42	3.36	0.00	7.80	0.00	0.	0.00
813	1.500	30.00	0.00	0.00	0.00	5.82	8.73	0.00	8.73	0.00	1.74	0.20	1.42	3.36	0.00	7.31	0.00	0.	0.00
814	1.400	30.00	0.00	0.00	0.00	5.79	8.70	0.00	8.70	0.00	1.74	0.19	1.43	3.36	0.00	6.82	0.00	0.	0.00
815	1.300	30.00	0.00	0.00	0.00	5.75	8.68	0.00	8.68	0.00	1.73	0.19	1.43	3.36	0.00	6.34	0.00	0.	0.00
816	1.200	30.00	0.00	0.00	0.00	5.71	8.65	0.00	8.65	0.00	1.73	0.19	1.43	3.35	0.00	5.85	0.00	0.	0.00
817	1.100	30.00	0.00	0.00	0.00	5.68	8.63	0.00	8.63	0.00	1.73	0.19	1.43	3.35	0.00	5.36	0.00	0.	0.00
818	1.000	30.00	0.00	0.00	0.00	5.64	8.60	0.00	8.60	0.00	1.73	0.19	1.44	3.35	0.00	4.87	0.00	0.	0.00
819	0.900	30.00	0.00	0.00	0.00	5.60	8.57	0.00	8.57	0.00	1.73	0.19	1.44	3.35	0.00	4.39	0.00	0.	0.00
820	0.800	30.00	0.00	0.00	0.00	5.56	8.55	0.00	8.55	0.00	1.72	0.19	1.44	3.35	0.00	3.90	0.00	0.	0.00
821	0.700	30.00	0.00	0.00	0.00	5.53	8.52	0.00	8.52	0.00	1.72	0.18	1.45	3.35	0.00	3.41	0.00	0.	0.00
822	0.600	30.00	0.00	0.00	0.00	5.49	8.50	0.00	8.50	0.00	1.72	0.18	1.45	3.35	0.00	2.92	0.00	0.	0.00
823	0.500	30.00	0.00	0.00	0.00	5.45	8.47	0.00	8.47	0.00	1.72	0.18	1.45	3.35	0.00	2.44	0.00	0.	0.00
824	0.400	30.00	0.00	0.00	0.00	5.41	8.45	0.00	8.45	0.00	1.72	0.18	1.45	3.35	0.00	1.95	0.00	0.	0.00
825	0.300	30.00	0.00	0.00	0.00	5.38	8.43	0.00	8.43	0.00	1.71	0.18	1.46	3.35	0.00	1.46	0.00	0.	0.00
826	0.200	30.00	0.00	0.00	0.00	5.34	8.40	0.00	8.40	0.00	1.71	0.18	1.46	3.35	0.00	0.97	0.00	0.	0.00
827	0.100	30.00	0.00	0.00	0.00	5.30	8.38	0.00	8.38	0.00	1.71	0.18	1.46	3.35	0.00	0.49	0.00	0.	0.00
828	0.000	30.00	0.00	0.00	0.00	5.26	8.35	0.00	8.35	0.00	1.71	0.17	1.47	3.35	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Bayou Plaquemine TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 5.46 DAYS
MAXIMUM EFFLUENT = 10.20 PERCENT
FLOW = 0.77000 TO 0.85743 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.02333 TO 0.02598 m/s
DEPTH = 1.10 TO 1.10 m
WIDTH = 30.00 TO 30.00 m
BOD DECAY = 0.17 TO 0.17 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 0.94 TO 0.94 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.77 TO 0.77 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.23 TO 8.54 mg/L

FINAL REPORT Upper Grand River #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 13 Upper Grand River #1 TMDL Simulation for Upper Terrebonne 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

879	HDWTR	0.00283	30.30	0.00	0.00	0.00	5.00	16.00	0.00	16.00	0.00	1.40	0.03	1.60	0.00	32.00	0.00	0.00	
907	WSTLD	0.00283	30.00	0.00	0.00	0.00	5.50	10.00	0.00	10.00	0.00	1.40	0.10	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 AREA	AREA	PRISM	SURFACE VELO	X-SECT VELO	TIDAL	TIDAL	DISPRSN	MEAN
	km	km	m³/s	m/s	days	m	m	m³	m²	m²	m³	m/s	m²/s	m/s			
879	12.40	12.30	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
880	12.30	12.20	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
881	12.20	12.10	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
882	12.10	12.00	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
883	12.00	11.90	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
884	11.90	11.80	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
885	11.80	11.70	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
886	11.70	11.60	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
887	11.60	11.50	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
888	11.50	11.40	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
889	11.40	11.30	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
890	11.30	11.20	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
891	11.20	11.10	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
892	11.10	11.00	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
893	11.00	10.90	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
894	10.90	10.80	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
895	10.80	10.70	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
896	10.70	10.60	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
897	10.60	10.50	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
898	10.50	10.40	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
899	10.40	10.30	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
900	10.30	10.20	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
901	10.20	10.10	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
902	10.10	10.00	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
903	10.00	9.90	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
904	9.90	9.80	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
905	9.80	9.70	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
906	9.70	9.60	0.00283	0.0	0.00003	39.59	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
907	9.60	9.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
908	9.50	9.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
909	9.40	9.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
910	9.30	9.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
911	9.20	9.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
912	9.10	9.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
913	9.00	8.90	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
914	8.90	8.80	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
915	8.80	8.70	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
916	8.70	8.60	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
917	8.60	8.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
918	8.50	8.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
919	8.40	8.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
920	8.30	8.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
921	8.20	8.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		
922	8.10	8.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000		

923	8.00	7.90	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
924	7.90	7.80	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
925	7.80	7.70	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
926	7.70	7.60	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
927	7.60	7.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
928	7.50	7.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
929	7.40	7.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
930	7.30	7.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
931	7.20	7.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
932	7.10	7.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
933	7.00	6.90	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
934	6.90	6.80	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
935	6.80	6.70	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
936	6.70	6.60	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
937	6.60	6.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
938	6.50	6.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
939	6.40	6.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
940	6.30	6.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
941	6.20	6.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
942	6.10	6.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
943	6.00	5.90	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
944	5.90	5.80	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
945	5.80	5.70	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
946	5.70	5.60	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
947	5.60	5.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
948	5.50	5.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
949	5.40	5.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
950	5.30	5.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
951	5.20	5.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
952	5.10	5.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
953	5.00	4.90	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
954	4.90	4.80	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
955	4.80	4.70	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
956	4.70	4.60	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
957	4.60	4.50	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
958	4.50	4.40	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
959	4.40	4.30	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
960	4.30	4.20	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
961	4.20	4.10	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
962	4.10	4.00	0.00566	50.0	0.00006	19.79	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.000
TOT						2216.99		813120.00	739200.00						
AVG				0.0000			1.10	88.00			96.80				
CUM						2216.99									

********** 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	
879	12.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00
880	12.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00
881	12.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00

882	12.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
883	11.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
884	11.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
885	11.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
886	11.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
887	11.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
888	11.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
889	11.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
890	11.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
891	11.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
892	11.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
893	10.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
894	10.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
895	10.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
896	10.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
897	10.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.64	0.00	0.00	0.00	0.00
898	10.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
899	10.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
900	10.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
901	10.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
902	10.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
903	9.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
904	9.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.68	0.00	0.00	0.00	0.00
905	9.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
906	9.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
907	9.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
908	9.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
909	9.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
910	9.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
911	9.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
912	9.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
913	8.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
914	8.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
915	8.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
916	8.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
917	8.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
918	8.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
919	8.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
920	8.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.77	0.00	0.00	0.00	0.00
921	8.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
922	8.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
923	7.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
924	7.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
925	7.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
926	7.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
927	7.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00
928	7.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
929	7.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
930	7.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00
931	7.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00

932	7.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
933	6.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
934	6.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
935	6.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
936	6.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
937	6.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
938	6.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
939	6.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
940	6.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
941	6.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
942	6.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
943	5.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
944	5.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
945	5.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
946	5.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
947	5.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
948	5.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
949	5.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
950	5.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
951	5.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
952	5.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
953	4.900	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
954	4.800	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
955	4.700	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
956	4.600	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
957	4.500	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
958	4.400	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
959	4.300	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00
960	4.200	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
961	4.100	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
962	4.000	7.56	0.77	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.64	0.30	0.00	0.00	0.00	0.00	0.00	1.00			0.02	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
879	12.300	30.00	0.00	0.00	0.00	7.95	0.81	0.00	0.81	0.00	0.71	0.04	0.00	0.75	0.00	32.07	0.00	0.	0.00
880	12.200	30.00	0.00	0.00	0.00	8.55	0.04	0.00	0.04	0.00	0.36	0.02	0.00	0.38	0.00	32.14	0.00	0.	0.00
881	12.100	30.00	0.00	0.00	0.00	8.63	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.20	0.00	32.21	0.00	0.	0.00
882	12.000	30.00	0.00	0.00	0.00	8.65	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.10	0.00	32.29	0.00	0.	0.00
883	11.900	30.00	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	32.36	0.00	0.	0.00
884	11.800	30.00	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03	0.00	32.43	0.00	0.	0.00
885	11.700	30.00	0.00	0.00	0.00	8.69	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	32.50	0.00	0.	0.00
886	11.600	30.00	0.00	0.00	0.00	8.70	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	32.57	0.00	0.	0.00
887	11.500	30.00	0.00	0.00	0.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.64	0.00	0.	0.00
888	11.400	30.00	0.00	0.00	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.71	0.00	0.	0.00
889	11.300	30.00	0.00	0.00	0.00	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.79	0.00	0.	0.00
890	11.200	30.00	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.86	0.00	0.	0.00
891	11.100	30.00	0.00	0.00	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.93	0.00	0.	0.00
892	11.000	30.00	0.00	0.00	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.	0.00

893	10.900	30.00	0.00	0.00	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.07	0.00	0.	0.00
894	10.800	30.00	0.00	0.00	0.00	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.14	0.00	0.	0.00
895	10.700	30.00	0.00	0.00	0.00	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.21	0.00	0.	0.00
896	10.600	30.00	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.29	0.00	0.	0.00
897	10.500	30.00	0.00	0.00	0.00	8.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.36	0.00	0.	0.00
898	10.400	30.00	0.00	0.00	0.00	8.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.43	0.00	0.	0.00
899	10.300	30.00	0.00	0.00	0.00	8.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.50	0.00	0.	0.00
900	10.200	30.00	0.00	0.00	0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.57	0.00	0.	0.00
901	10.100	30.00	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.64	0.00	0.	0.00
902	10.000	30.00	0.00	0.00	0.00	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.71	0.00	0.	0.00
903	9.900	30.00	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.79	0.00	0.	0.00
904	9.800	30.00	0.00	0.00	0.00	8.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.86	0.00	0.	0.00
905	9.700	30.00	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.93	0.00	0.	0.00
906	9.600	30.00	0.00	0.00	0.00	8.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.	0.00
907	9.500	30.00	0.00	0.00	0.00	8.40	0.48	0.00	0.48	0.00	0.47	0.03	0.00	0.50	0.00	34.07	0.00	0.	0.00
908	9.400	30.00	0.00	0.00	0.00	8.76	0.05	0.00	0.05	0.00	0.32	0.02	0.00	0.34	0.00	34.14	0.00	0.	0.00
909	9.300	30.00	0.00	0.00	0.00	8.83	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.23	0.00	34.21	0.00	0.	0.00
910	9.200	30.00	0.00	0.00	0.00	8.85	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.15	0.00	34.29	0.00	0.	0.00
911	9.100	30.00	0.00	0.00	0.00	8.87	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.10	0.00	34.36	0.00	0.	0.00
912	9.000	30.00	0.00	0.00	0.00	8.88	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07	0.00	34.43	0.00	0.	0.00
913	8.900	30.00	0.00	0.00	0.00	8.89	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05	0.00	34.50	0.00	0.	0.00
914	8.800	30.00	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	34.57	0.00	0.	0.00
915	8.700	30.00	0.00	0.00	0.00	8.91	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	34.64	0.00	0.	0.00
916	8.600	30.00	0.00	0.00	0.00	8.92	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.71	0.00	0.	0.00
917	8.500	30.00	0.00	0.00	0.00	8.92	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.79	0.00	0.	0.00
918	8.400	30.00	0.00	0.00	0.00	8.93	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	34.86	0.00	0.	0.00
919	8.300	30.00	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.93	0.00	0.	0.00
920	8.200	30.00	0.00	0.00	0.00	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.	0.00
921	8.100	30.00	0.00	0.00	0.00	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.07	0.00	0.	0.00
922	8.000	30.00	0.00	0.00	0.00	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.14	0.00	0.	0.00
923	7.900	30.00	0.00	0.00	0.00	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.21	0.00	0.	0.00
924	7.800	30.00	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.29	0.00	0.	0.00
925	7.700	30.00	0.00	0.00	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.36	0.00	0.	0.00
926	7.600	30.00	0.00	0.00	0.00	8.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.43	0.00	0.	0.00
927	7.500	30.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.50	0.00	0.	0.00
928	7.400	30.00	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.57	0.00	0.	0.00
929	7.300	30.00	0.00	0.00	0.00	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.64	0.00	0.	0.00
930	7.200	30.00	0.00	0.00	0.00	9.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.71	0.00	0.	0.00
931	7.100	30.00	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.79	0.00	0.	0.00
932	7.000	30.00	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.86	0.00	0.	0.00
933	6.900	30.00	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.93	0.00	0.	0.00
934	6.800	30.00	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.	0.00
935	6.700	30.00	0.00	0.00	0.00	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.07	0.00	0.	0.00
936	6.600	30.00	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.14	0.00	0.	0.00
937	6.500	30.00	0.00	0.00	0.00	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.21	0.00	0.	0.00
938	6.400	30.00	0.00	0.00	0.00	9.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.29	0.00	0.	0.00
939	6.300	30.00	0.00	0.00	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.36	0.00	0.	0.00
940	6.200	30.00	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.43	0.00	0.	0.00
941	6.100	30.00	0.00	0.00	0.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.50	0.00	0.	0.00
942	6.000	30.00	0.00	0.00	0.00	9.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.57	0.00	0.	0.00

943	5.900	30.00	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.64	0.00	0.	0.00
944	5.800	30.00	0.00	0.00	0.00	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.71	0.00	0.	0.00
945	5.700	30.00	0.00	0.00	0.00	9.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.79	0.00	0.	0.00
946	5.600	30.00	0.00	0.00	0.00	9.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.86	0.00	0.	0.00
947	5.500	30.00	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.93	0.00	0.	0.00
948	5.400	30.00	0.00	0.00	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.00	0.00	0.	0.00
949	5.300	30.00	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.07	0.00	0.	0.00
950	5.200	30.00	0.00	0.00	0.00	9.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.14	0.00	0.	0.00
951	5.100	30.00	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.21	0.00	0.	0.00
952	5.000	30.00	0.00	0.00	0.00	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.29	0.00	0.	0.00
953	4.900	30.00	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.36	0.00	0.	0.00
954	4.800	30.00	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.43	0.00	0.	0.00
955	4.700	30.00	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.50	0.00	0.	0.00
956	4.600	30.00	0.00	0.00	0.00	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.57	0.00	0.	0.00
957	4.500	30.00	0.00	0.00	0.00	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.64	0.00	0.	0.00
958	4.400	30.00	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.71	0.00	0.	0.00
959	4.300	30.00	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.79	0.00	0.	0.00
960	4.200	30.00	0.00	0.00	0.00	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.86	0.00	0.	0.00
961	4.100	30.00	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.93	0.00	0.	0.00
962	4.000	30.00	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	0.00	0.	0.00

FINAL REPORT Upper Grand River #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 15 Upper Grand River #2 TMDL Simulation for Upper Terrebonne 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
1007	UPR RCH	0.00566	30.00	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	0.00	0.00
1007	TRIB	0.00283	30.00	0.00	0.00	0.00	8.29	0.00	0.00	0.00	0.00	1.13	0.06	0.00	0.00	38.00	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
1007	4.00	3.90	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1008	3.90	3.80	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1009	3.80	3.70	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1010	3.70	3.60	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1011	3.60	3.50	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1012	3.50	3.40	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1013	3.40	3.30	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1014	3.30	3.20	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1015	3.20	3.10	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1016	3.10	3.00	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1017	3.00	2.90	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1018	2.90	2.80	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1019	2.80	2.70	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1020	2.70	2.60	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1021	2.60	2.50	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1022	2.50	2.40	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1023	2.40	2.30	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1024	2.30	2.20	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1025	2.20	2.10	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000

1026	2.10	2.00	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1027	2.00	1.90	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1028	1.90	1.80	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1029	1.80	1.70	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1030	1.70	1.60	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1031	1.60	1.50	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1032	1.50	1.40	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1033	1.40	1.30	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1034	1.30	1.20	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1035	1.20	1.10	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1036	1.10	1.00	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1037	1.00	0.90	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1038	0.90	0.80	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1039	0.80	0.70	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1040	0.70	0.60	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1041	0.60	0.50	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1042	0.50	0.40	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1043	0.40	0.30	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1044	0.30	0.20	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1045	0.20	0.10	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
1046	0.10	0.00	0.00849	33.3	0.00011	10.99	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.000
TOT					439.52			322400.00	248000.00						
AVG				0.0001			1.30	62.00			80.60				
CUM					2656.50										

********** 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 1/da	ORGN SETT *	ORGN DECAY **	SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD *	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da
1007	3.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00
1008	3.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	0.00
1009	3.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00	0.00
1010	3.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00	0.00
1011	3.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00	0.00
1012	3.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00
1013	3.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00	0.00
1014	3.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00	0.00
1015	3.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00
1016	3.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00	0.00
1017	2.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00	0.00
1018	2.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00	0.00
1019	2.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00	0.00
1020	2.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00	0.00
1021	2.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00	0.00
1022	2.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00
1023	2.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.00
1024	2.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00	0.00
1025	2.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.00
1026	2.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
1027	1.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.00
1028	1.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00	0.00

1029	1.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
1030	1.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
1031	1.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
1032	1.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
1033	1.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
1034	1.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
1035	1.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
1036	1.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
1037	0.900	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
1038	0.800	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00
1039	0.700	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
1040	0.600	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
1041	0.500	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
1042	0.400	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
1043	0.300	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
1044	0.200	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
1045	0.100	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
1046	0.000	7.56	0.65	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				0.54	0.30	0.00	0.00	0.00	0.00	0.00	1.00		0.02	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
1007	3.900	30.00	0.00	0.00	0.00	9.70	0.00	0.00	0.00	0.00	0.30	0.02	0.00	0.31	0.00	37.05	0.00	0.	0.00
1008	3.800	30.00	0.00	0.00	0.00	9.70	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.25	0.00	36.10	0.00	0.	0.00
1009	3.700	30.00	0.00	0.00	0.00	9.61	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.20	0.00	35.15	0.00	0.	0.00
1010	3.600	30.00	0.00	0.00	0.00	9.50	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.15	0.00	34.20	0.00	0.	0.00
1011	3.500	30.00	0.00	0.00	0.00	9.39	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.12	0.00	33.25	0.00	0.	0.00
1012	3.400	30.00	0.00	0.00	0.00	9.28	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.10	0.00	32.30	0.00	0.	0.00
1013	3.300	30.00	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.08	0.00	31.35	0.00	0.	0.00
1014	3.200	30.00	0.00	0.00	0.00	9.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06	0.00	30.40	0.00	0.	0.00
1015	3.100	30.00	0.00	0.00	0.00	8.94	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05	0.00	29.45	0.00	0.	0.00
1016	3.000	30.00	0.00	0.00	0.00	8.82	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00	28.50	0.00	0.	0.00
1017	2.900	30.00	0.00	0.00	0.00	8.71	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	27.55	0.00	0.	0.00
1018	2.800	30.00	0.00	0.00	0.00	8.59	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	26.60	0.00	0.	0.00
1019	2.700	30.00	0.00	0.00	0.00	8.48	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	25.65	0.00	0.	0.00
1020	2.600	30.00	0.00	0.00	0.00	8.36	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	24.70	0.00	0.	0.00
1021	2.500	30.00	0.00	0.00	0.00	8.25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	23.75	0.00	0.	0.00
1022	2.400	30.00	0.00	0.00	0.00	8.13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	22.80	0.00	0.	0.00
1023	2.300	30.00	0.00	0.00	0.00	8.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	21.85	0.00	0.	0.00
1024	2.200	30.00	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	20.90	0.00	0.	0.00
1025	2.100	30.00	0.00	0.00	0.00	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.95	0.00	0.	0.00
1026	2.000	30.00	0.00	0.00	0.00	7.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.	0.00
1027	1.900	30.00	0.00	0.00	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.05	0.00	0.	0.00
1028	1.800	30.00	0.00	0.00	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.10	0.00	0.	0.00
1029	1.700	30.00	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.15	0.00	0.	0.00
1030	1.600	30.00	0.00	0.00	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.20	0.00	0.	0.00
1031	1.500	30.00	0.00	0.00	0.00	7.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.25	0.00	0.	0.00
1032	1.400	30.00	0.00	0.00	0.00	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	0.00	0.	0.00
1033	1.300	30.00	0.00	0.00	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.35	0.00	0.	0.00

1034	1.200	30.00	0.00	0.00	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	0.00	0.	0.00
1035	1.100	30.00	0.00	0.00	0.00	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.45	0.00	0.	0.00
1036	1.000	30.00	0.00	0.00	0.00	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	0.00	0.	0.00
1037	0.900	30.00	0.00	0.00	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.55	0.00	0.	0.00
1038	0.800	30.00	0.00	0.00	0.00	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.60	0.00	0.	0.00
1039	0.700	30.00	0.00	0.00	0.00	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.65	0.00	0.	0.00
1040	0.600	30.00	0.00	0.00	0.00	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.70	0.00	0.	0.00
1041	0.500	30.00	0.00	0.00	0.00	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.00	0.	0.00
1042	0.400	30.00	0.00	0.00	0.00	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	0.	0.00
1043	0.300	30.00	0.00	0.00	0.00	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85	0.00	0.	0.00
1044	0.200	30.00	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	0.00	0.	0.00
1045	0.100	30.00	0.00	0.00	0.00	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.	0.00
1046	0.000	30.00	0.00	0.00	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Upper Grand River #1 TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 2656.50 DAYS
MAXIMUM EFFLUENT = 50.00 PERCENT
FLOW = 0.00283 TO 0.00849 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.00003 TO 0.00011 m/s
DEPTH = 1.10 TO 1.30 m
WIDTH = 62.00 TO 88.00 m
BOD DECAY = 0.47 TO 0.47 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 1.88 TO 1.88 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.65 TO 0.77 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.35 TO 9.70 mg/L

FINAL REPORT Lower Flat River LA-QUAL Model for Upper Terrebonne
REACH NO. 14 Lower Flat River TMDL Simulation for Upper Terrebonne 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
963	HDWTR	0.00283	30.30	0.00	0.00	0.00	5.50	12.00	0.00	12.00	0.00	1.40	0.03	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	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
963	4.40	4.30	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
964	4.30	4.20	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
965	4.20	4.10	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
966	4.10	4.00	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
967	4.00	3.90	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
968	3.90	3.80	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
969	3.80	3.70	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
970	3.70	3.60	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000

971	3.60	3.50	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
972	3.50	3.40	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
973	3.40	3.30	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
974	3.30	3.20	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
975	3.20	3.10	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
976	3.10	3.00	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
977	3.00	2.90	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
978	2.90	2.80	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
979	2.80	2.70	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
980	2.70	2.60	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
981	2.60	2.50	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
982	2.50	2.40	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
983	2.40	2.30	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
984	2.30	2.20	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
985	2.20	2.10	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
986	2.10	2.00	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
987	2.00	1.90	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
988	1.90	1.80	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
989	1.80	1.70	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
990	1.70	1.60	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
991	1.60	1.50	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
992	1.50	1.40	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
993	1.40	1.30	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
994	1.30	1.20	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
995	1.20	1.10	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
996	1.10	1.00	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
997	1.00	0.90	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
998	0.90	0.80	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
999	0.80	0.70	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1000	0.70	0.60	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1001	0.60	0.50	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1002	0.50	0.40	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1003	0.40	0.30	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1004	0.30	0.20	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1005	0.20	0.10	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
1006	0.10	0.00	0.00283	0.0	0.00006	20.94	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.000
TOT					921.35				225280.00	281600.00					
AVG				0.0001			0.80	64.00			51.20				
CUM					921.35										

********** 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		
963	4.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.41	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
964	4.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.41	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	
965	4.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	
966	4.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	
967	3.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	
968	3.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	
969	3.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	

970	3.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00
971	3.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
972	3.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
973	3.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
974	3.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00
975	3.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
976	3.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
977	2.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
978	2.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
979	2.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
980	2.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
981	2.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
982	2.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
983	2.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
984	2.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
985	2.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
986	2.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
987	1.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
988	1.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
989	1.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.43	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
990	1.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
991	1.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
992	1.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
993	1.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
994	1.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
995	1.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
996	1.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.32	0.00	0.00	0.00	0.00
997	0.900	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
998	0.800	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.46	0.00	0.00	0.00	0.00
999	0.700	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.53	0.00	0.00	0.00	0.00
1000	0.600	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
1001	0.500	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
1002	0.400	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
1003	0.300	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
1004	0.200	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
1005	0.100	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
1006	0.000	7.56	1.05	0.47	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE				0.88	0.30	0.00	0.00	0.00	0.00	0.00	0.90			0.02	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
963	4.300	30.00	0.00	0.00	0.00	5.02	1.10	0.00	1.10	0.00	1.31	0.07	0.55	1.93	0.00	0.86	0.00	0.	0.00
964	4.200	30.00	0.00	0.00	0.00	5.49	0.10	0.00	0.10	0.00	1.25	0.07	1.05	2.37	0.00	1.73	0.00	0.	0.00
965	4.100	30.00	0.00	0.00	0.00	5.62	0.01	0.00	0.01	0.00	1.21	0.07	1.45	2.73	0.00	2.59	0.00	0.	0.00
966	4.000	30.00	0.00	0.00	0.00	5.69	0.00	0.00	0.00	0.00	1.18	0.07	1.77	3.02	0.00	3.45	0.00	0.	0.00
967	3.900	30.00	0.00	0.00	0.00	5.76	0.00	0.00	0.00	0.00	1.16	0.07	2.01	3.24	0.00	4.32	0.00	0.	0.00
968	3.800	30.00	0.00	0.00	0.00	5.82	0.00	0.00	0.00	0.00	1.15	0.07	2.17	3.38	0.00	5.18	0.00	0.	0.00
969	3.700	30.00	0.00	0.00	0.00	5.89	0.00	0.00	0.00	0.00	1.14	0.07	2.25	3.46	0.00	6.05	0.00	0.	0.00
970	3.600	30.00	0.00	0.00	0.00	5.95	0.00	0.00	0.00	0.00	1.14	0.07	2.26	3.46	0.00	6.91	0.00	0.	0.00

971	3.500	30.00	0.00	0.00	0.00	6.02	0.00	0.00	0.00	0.00	1.14	0.07	2.19	3.40	0.00	7.77	0.00	0.	0.00
972	3.400	30.00	0.00	0.00	0.00	6.08	0.00	0.00	0.00	0.00	1.13	0.07	2.06	3.26	0.00	8.64	0.00	0.	0.00
973	3.300	30.00	0.00	0.00	0.00	6.15	0.00	0.00	0.00	0.00	1.13	0.07	1.85	3.05	0.00	9.50	0.00	0.	0.00
974	3.200	30.00	0.00	0.00	0.00	6.22	0.00	0.00	0.00	0.00	1.13	0.07	1.57	2.76	0.00	10.36	0.00	0.	0.00
975	3.100	30.00	0.00	0.00	0.00	6.28	0.00	0.00	0.00	0.00	1.13	0.06	1.21	2.41	0.00	11.23	0.00	0.	0.00
976	3.000	30.00	0.00	0.00	0.00	6.35	0.00	0.00	0.00	0.00	1.13	0.06	0.79	1.98	0.00	12.09	0.00	0.	0.00
977	2.900	30.00	0.00	0.00	0.00	6.41	0.00	0.00	0.00	0.00	1.13	0.06	0.29	1.49	0.00	12.95	0.00	0.	0.00
978	2.800	30.00	0.00	0.00	0.00	6.47	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	13.82	0.00	0.	0.00
979	2.700	30.00	0.00	0.00	0.00	6.54	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	14.68	0.00	0.	0.00
980	2.600	30.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	15.55	0.00	0.	0.00
981	2.500	30.00	0.00	0.00	0.00	6.67	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	16.41	0.00	0.	0.00
982	2.400	30.00	0.00	0.00	0.00	6.73	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	17.27	0.00	0.	0.00
983	2.300	30.00	0.00	0.00	0.00	6.80	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	18.14	0.00	0.	0.00
984	2.200	30.00	0.00	0.00	0.00	6.86	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	19.00	0.00	0.	0.00
985	2.100	30.00	0.00	0.00	0.00	6.93	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	19.86	0.00	0.	0.00
986	2.000	30.00	0.00	0.00	0.00	6.99	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	20.73	0.00	0.	0.00
987	1.900	30.00	0.00	0.00	0.00	7.06	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	21.59	0.00	0.	0.00
988	1.800	30.00	0.00	0.00	0.00	7.12	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	22.45	0.00	0.	0.00
989	1.700	30.00	0.00	0.00	0.00	7.19	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	23.32	0.00	0.	0.00
990	1.600	30.00	0.00	0.00	0.00	7.25	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	24.18	0.00	0.	0.00
991	1.500	30.00	0.00	0.00	0.00	7.32	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	25.05	0.00	0.	0.00
992	1.400	30.00	0.00	0.00	0.00	7.38	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	25.91	0.00	0.	0.00
993	1.300	30.00	0.00	0.00	0.00	7.45	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	26.77	0.00	0.	0.00
994	1.200	30.00	0.00	0.00	0.00	7.51	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	27.64	0.00	0.	0.00
995	1.100	30.00	0.00	0.00	0.00	7.58	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	28.50	0.00	0.	0.00
996	1.000	30.00	0.00	0.00	0.00	7.64	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	29.36	0.00	0.	0.00
997	0.900	30.00	0.00	0.00	0.00	7.71	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	30.23	0.00	0.	0.00
998	0.800	30.00	0.00	0.00	0.00	7.77	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	31.09	0.00	0.	0.00
999	0.700	30.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	31.95	0.00	0.	0.00
1000	0.600	30.00	0.00	0.00	0.00	7.90	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	32.82	0.00	0.	0.00
1001	0.500	30.00	0.00	0.00	0.00	7.97	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	33.68	0.00	0.	0.00
1002	0.400	30.00	0.00	0.00	0.00	8.03	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	34.55	0.00	0.	0.00
1003	0.300	30.00	0.00	0.00	0.00	8.10	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	35.41	0.00	0.	0.00
1004	0.200	30.00	0.00	0.00	0.00	8.16	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	36.27	0.00	0.	0.00
1005	0.100	30.00	0.00	0.00	0.00	8.23	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	37.14	0.00	0.	0.00
1006	0.000	30.00	0.00	0.00	0.00	8.29	0.00	0.00	0.00	0.00	1.13	0.06	0.00	1.19	0.00	38.00	0.00	0.	0.00

STREAM SUMMARY LA-QUAL Model for Upper Terrebonne
Lower Flat River TMDL Simulation for Upper Terrebonne model

TRAVEL TIME = 921.35 DAYS
MAXIMUM EFFLUENT = 0.00 PERCENT
FLOW = 0.00283 TO 0.00283 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.00006 TO 0.00006 m/s
DEPTH = 0.80 TO 0.80 m
WIDTH = 64.00 TO 64.00 m
BOD DECAY = 0.47 TO 0.47 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 1.69 TO 1.69 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 1.05 TO 1.05 per day

BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day
TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.02 TO 8.29 mg/L

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model
REACH SUMMARY REPORT FOR Bayou Cholpe #1

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 Cholpe #1	55.60	52.60	3.00	3.07	0.00283	0.01132	0.250	1.00	0.100	0.037	0.820	3.28
2	Bayou Cholpe #2	52.60	43.10	9.50	269.09	0.00563	0.00041	1.000	10.00	0.199	0.001	3.281	32.81
5	Choctaw Bayou #1	43.10	38.80	4.30	2.45	1.66012	0.02034	2.400	34.00	58.619	0.067	7.874	111.55
8	Choctaw Bayou #2	38.80	31.50	7.30	6.57	1.70033	0.01286	2.800	47.00	60.039	0.042	9.187	154.21
10	Intracoastal Waterway #2	31.50	15.90	15.60	4.43	9.28884	0.04071	3.000	76.00	327.989	0.134	9.843	249.36
12	Intracoastal Waterway #3	15.90	10.90	5.00	1.46	10.14627	0.03963	3.200	80.00	358.265	0.130	10.499	262.48
16	Intracoastal Waterway #4	10.90	0.00	10.90	2.17	10.15476	0.05803	2.500	70.00	358.565	0.190	8.202	229.67

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model
REACH SUMMARY REPORT FOR Bayou Poydras #1

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
3	Bayou Poydras #1	10.30	4.60	5.70	0.05	1.64631	1.37170	0.300	4.00	58.131	4.501	0.984	13.12
4	Bayou Poydras #2	4.60	0.00	4.60	0.15	1.65139	0.34372	0.600	8.00	58.311	1.128	1.969	26.25

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model
REACH SUMMARY REPORT FOR Chamberlin Canal #1

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
6	Chamberlin Canal #1	7.50	4.20	3.30	2.15	0.00433	0.01775	0.100	2.00	0.153	0.058	0.328	6.56
7	Chamberlin Canal #2	4.20	0.00	4.20	7.80	0.01201	0.00623	0.300	5.00	0.424	0.020	0.984	16.40

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model
REACH SUMMARY REPORT FOR Intracoastal Waterwa

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
9	Intracoastal Waterway #1	13.40	0.00	13.40	4.68	7.57963	0.03311	3.000	76.00	267.637	0.109	9.843	249.36

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model
REACH SUMMARY REPORT FOR Bayou Plaquemine

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
11	Bayou Plaquemine	11.90	0.00	11.90	5.46	0.85743	0.02523	1.100	30.00	30.276	0.083	3.609	98.43

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Upper Grand River #1

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
13	Upper Grand River #1	12.40	4.00	8.40	2216.99	0.00566	0.00004	1.100	88.00	0.200	0.000	3.609	288.73
15	Upper Grand River #2	4.00	0.00	4.00	439.52	0.00849	0.00011	1.300	62.00	0.300	0.000	4.265	203.42

LA-QUAL Model for Upper Terrebonne

TMDL Simulation for Upper Terrebonne model

REACH SUMMARY REPORT FOR Lower Flat River

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
14	Lower Flat River	4.40	0.00	4.40	921.35	0.00283	0.00006	0.800	64.00	0.100	0.000	2.625	209.98

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
1	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.4	1.4	0.00								
2	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.5	1.5	0.00								
3	1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.6	1.6	0.00								
4	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.7	1.7	0.00								
5	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.7	1.7	0.00								
6	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.7	1.7	0.00								
7	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.7	1.7	0.00								
8	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
9	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
10	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
11	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
12	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
13	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
14	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
15	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
16	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
17	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
18	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
19	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
20	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
21	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
22	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
23	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
24	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
25	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
26	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
27	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
28	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
29	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
30	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.8	1.8	0.00								
31	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00								
32	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00								
33	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00								
34	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00								

35	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
36	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
37	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
38	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
39	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
40	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
41	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00
42	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
43	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
44	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
45	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
46	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
47	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
48	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00
49	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00
50	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00
51	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00
52	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00
53	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00
54	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00
55	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00
56	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00
57	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00
58	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00
59	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
60	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00							
61	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00							
62	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00							
63	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00							
64	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00							
65	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
66	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
67	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
68	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
69	2.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
70	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.7	2.7	0.00							
71	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.8	2.8	0.00							
72	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.8	2.8	0.00							
73	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.8	2.8	0.00							
74	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.8	2.8	0.00							
75	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.8	2.8	0.00							
76	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							
77	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							
78	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							
79	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							
80	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							
81	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.9	2.9	0.00							

82	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.0	3.0	0.00
83	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.0	3.0	0.00
84	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.0	3.0	0.00
85	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.0	3.0	0.00
86	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.0	3.0	0.00
87	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
88	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
89	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
90	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
91	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
92	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
93	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
94	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
95	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
96	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
97	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
98	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
99	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
100	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
101	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
102	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
103	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
104	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
105	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
106	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
107	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
108	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
109	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
110	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
111	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
112	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
113	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
114	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
115	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
116	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
117	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
118	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD OUT	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	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
120	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
121	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
122	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
123	3.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
124	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00							
125	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.8	3.8	0.00							
229	4.	956.	-930.	0.	0.	0.	0.	0.	0.	0.	3.	-16.	-17.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-963.8	963.8	-0.03
230	930.	0.	-904.	0.	0.	0.	0.	0.	0.	1.	0.	4.	-16.	-17.	0.	0.	-1.	0.	0.	0.	2.	0.	0.	-937.1	937.1	-0.02
231	904.	0.	-879.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-15.	-16.	0.	0.	-1.	0.	0.	0.	3.	0.	0.	-911.4	911.4	-0.02

232	879.	0.	-856.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-15.	-16.	0.	0.	-1.	0.	0.	0.	4.	0.	0.	-887.8	887.8	-0.02
233	856.	0.	-835.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-15.	-15.	0.	0.	-1.	0.	0.	0.	5.	0.	0.	-866.1	866.1	-0.01
234	835.	0.	-816.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-15.	-15.	0.	0.	-1.	0.	0.	0.	6.	0.	0.	-846.4	846.4	-0.01
235	816.	0.	-799.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-15.	-14.	0.	0.	-1.	0.	0.	0.	7.	0.	0.	-828.6	828.6	-0.01
236	799.	0.	-783.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-15.	-14.	0.	0.	-1.	0.	0.	0.	8.	0.	0.	-812.6	812.6	-0.01
237	783.	0.	-770.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-15.	-14.	0.	0.	-1.	0.	0.	0.	9.	0.	0.	-798.4	798.4	-0.01
238	770.	0.	-758.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-13.	0.	0.	-1.	0.	0.	0.	10.	0.	0.	-786.0	786.0	0.00
239	758.	0.	-747.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-13.	0.	0.	-1.	0.	0.	0.	11.	0.	0.	-775.2	775.2	0.00
240	747.	0.	-738.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-13.	0.	0.	-1.	0.	0.	0.	12.	0.	0.	-766.0	766.0	0.00
241	738.	0.	-731.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-12.	0.	0.	-1.	0.	0.	0.	13.	0.	0.	-758.4	758.4	0.00
242	731.	0.	-726.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-12.	0.	0.	-1.	0.	0.	0.	14.	0.	0.	-752.4	752.4	0.00
243	726.	0.	-722.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-12.	0.	0.	-1.	0.	0.	0.	15.	0.	0.	-747.9	747.9	0.00
244	722.	0.	-719.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-14.	-12.	0.	0.	-1.	0.	0.	0.	16.	0.	0.	-744.8	744.8	0.00
245	719.	0.	-718.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-11.	0.	0.	-1.	0.	0.	0.	17.	0.	0.	-743.1	743.1	0.00
246	718.	0.	-718.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-11.	0.	0.	-1.	0.	0.	0.	18.	0.	0.	-742.8	742.8	0.00
247	718.	0.	-719.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-11.	0.	0.	-1.	0.	0.	0.	19.	0.	0.	-743.8	743.8	0.00
248	719.	0.	-722.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-11.	0.	0.	-1.	0.	0.	0.	20.	0.	0.	-746.2	746.2	0.00
249	722.	0.	-726.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-10.	0.	0.	-1.	0.	0.	0.	21.	0.	0.	-749.8	749.8	0.00
250	726.	0.	-731.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-10.	0.	0.	-1.	0.	0.	0.	22.	0.	0.	-754.6	754.6	0.00
251	731.	0.	-737.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-10.	0.	0.	-1.	0.	0.	0.	23.	0.	0.	-760.7	760.7	0.00
252	737.	0.	-745.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-13.	-10.	0.	0.	-1.	0.	0.	0.	24.	0.	0.	-767.9	767.9	0.00
253	745.	0.	-753.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-12.	-10.	0.	0.	-1.	0.	0.	0.	25.	0.	0.	-776.2	776.2	0.00
254	753.	0.	-763.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-12.	-10.	0.	0.	-1.	0.	0.	0.	26.	0.	0.	-785.7	785.7	0.00
255	763.	0.	-774.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-12.	-9.	0.	0.	-1.	0.	0.	0.	27.	0.	0.	-796.2	796.2	0.00
256	774.	0.	-786.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-12.	-9.	0.	0.	-1.	0.	0.	0.	28.	0.	0.	-807.8	807.8	-0.01
257	786.	0.	-799.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-12.	-9.	0.	0.	-1.	0.	0.	0.	29.	0.	0.	-820.4	820.4	-0.01
258	799.	0.	-813.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-12.	-9.	0.	0.	-1.	0.	0.	0.	30.	0.	0.	-834.0	834.0	-0.01
259	813.	0.	-828.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-12.	-9.	0.	0.	-1.	0.	0.	0.	31.	0.	0.	-848.6	848.6	-0.01
260	828.	0.	-843.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-12.	-9.	0.	0.	-1.	0.	0.	0.	32.	0.	0.	-864.1	864.1	-0.01
261	843.	0.	-860.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-11.	-8.	0.	0.	-1.	0.	0.	0.	33.	0.	0.	-880.5	880.5	-0.01
262	860.	0.	-878.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-11.	-8.	0.	0.	-1.	0.	0.	0.	34.	0.	0.	-897.9	897.9	-0.01
263	878.	0.	-896.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-11.	-8.	0.	0.	-1.	0.	0.	0.	35.	0.	0.	-916.2	916.2	-0.01
264	896.	0.	-916.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-11.	-8.	0.	0.	-1.	0.	0.	0.	36.	0.	0.	-935.3	935.3	-0.01
265	916.	0.	-936.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-11.	-8.	0.	0.	-1.	0.	0.	0.	37.	0.	0.	-955.2	955.2	-0.01
266	936.	0.	-957.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-11.	-8.	0.	0.	-1.	0.	0.	0.	38.	0.	0.	-976.0	976.0	-0.01
267	957.	0.	-979.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-11.	-7.	0.	0.	-1.	0.	0.	0.	39.	0.	0.	-997.6	997.6	-0.01
268	979.	0.	-1001.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-11.	-7.	0.	0.	-1.	0.	0.	0.	40.	0.	0.	-1020.0	1020.0	-0.01
269	1001.	0.	-1025.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-11.	-7.	0.	0.	-1.	0.	0.	0.	41.	0.	0.	-1043.1	1043.1	-0.02
270	1025.	0.	-1049.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-10.	-7.	0.	0.	-1.	0.	0.	0.	42.	0.	0.	-1067.0	1067.0	-0.02
271	1049.	0.	-1074.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-7.	0.	0.	-1.	0.	0.	0.	43.	0.	0.	-1091.7	1091.7	-0.02
347	1074.	8.	-1113.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-17.	-11.	0.	0.	-9.	0.	0.	0.	68.	0.	0.	-1149.6	1149.6	-0.03
348	1113.	0.	-1143.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-16.	-10.	0.	0.	-9.	0.	0.	0.	67.	0.	0.	-1179.7	1179.7	-0.03
349	1143.	0.	-1171.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-16.	-10.	0.	0.	-9.	0.	0.	0.	66.	0.	0.	-1208.5	1208.5	-0.03
350	1171.	0.	-1199.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-16.	-10.	0.	0.	-9.	0.	0.	0.	65.	0.	0.	-1236.2	1236.2	-0.02
351	1199.	0.	-1225.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-16.	-9.	0.	0.	-9.	0.	0.	0.	64.	0.	0.	-1262.7	1262.6	-0.02
352	1225.	0.	-1250.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-16.	-9.	0.	0.	-9.	0.	0.	0.	63.	0.	0.	-1288.0	1287.9	-0.02
353	1250.	0.	-1274.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-16.	-9.	0.	0.	-9.	0.	0.	0.	62.	0.	0.	-1312.1	1312.1	-0.02
354	1274.	0.	-1297.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-15.	-9.	0.	0.	-9.	0.	0.	0.	61.	0.	0.	-1335.1	1335.1	-0.02
355	1297.	0.	-1318.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-15.	-8.	0.	0.	-9.	0.	0.	0.	60.	0.	0.	-1357.0	1357.0	-0.02

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
356	1318.	0.	-1339.	0.	0.	0.	0.	0.	0.	0.	-7.	-15.	-8.	0.	0.	-9.	0.	0.	0.	59.	0.	0.	-1377.8	1377.8	-0.02
357	1339.	0.	-1359.	0.	0.	0.	0.	0.	0.	0.	-7.	-15.	-8.	0.	0.	-9.	0.	0.	0.	58.	0.	0.	-1397.5	1397.5	-0.02
358	1359.	0.	-1377.	0.	0.	0.	0.	0.	0.	0.	-8.	-15.	-7.	0.	0.	-9.	0.	0.	0.	57.	0.	0.	-1416.1	1416.1	-0.02
359	1377.	0.	-1395.	0.	0.	0.	0.	0.	0.	0.	-8.	-15.	-7.	0.	0.	-9.	0.	0.	0.	57.	0.	0.	-1433.7	1433.7	-0.02
360	1395.	0.	-1411.	0.	0.	0.	0.	0.	0.	0.	-9.	-15.	-7.	0.	0.	-9.	0.	0.	0.	56.	0.	0.	-1450.2	1450.2	-0.02
361	1411.	0.	-1427.	0.	0.	0.	0.	0.	0.	0.	-9.	-14.	-7.	0.	0.	-9.	0.	0.	0.	55.	0.	0.	-1465.7	1465.7	-0.02
362	1427.	0.	-1441.	0.	0.	0.	0.	0.	0.	0.	-10.	-14.	-6.	0.	0.	-9.	0.	0.	0.	54.	0.	0.	-1480.2	1480.2	-0.02
363	1441.	0.	-1454.	0.	0.	0.	0.	0.	0.	0.	-10.	-14.	-6.	0.	0.	-9.	0.	0.	0.	53.	0.	0.	-1493.7	1493.7	-0.02
364	1454.	0.	-1467.	0.	0.	0.	0.	0.	0.	0.	-10.	-14.	-6.	0.	0.	-9.	0.	0.	0.	52.	0.	0.	-1506.3	1506.3	-0.02
365	1467.	0.	-1479.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	51.	0.	0.	-1517.9	1517.8	-0.02
366	1479.	0.	-1490.	0.	0.	0.	0.	0.	0.	1.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	50.	0.	0.	-1529.7	1529.7	-0.01
367	1490.	0.	-1506.	0.	0.	0.	0.	0.	0.	11.	0.	-11.	-16.	-9.	0.	0.	-9.	0.	0.	0.	49.	0.	0.	-1550.4	1550.4	-0.02
368	1506.	0.	-1511.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-16.	-9.	0.	0.	-9.	0.	0.	0.	48.	0.	0.	-1554.3	1554.3	-0.02
369	1511.	0.	-1514.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-8.	0.	0.	-9.	0.	0.	0.	47.	0.	0.	-1557.6	1557.6	-0.02
370	1514.	0.	-1517.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-8.	0.	0.	-9.	0.	0.	0.	46.	0.	0.	-1560.3	1560.3	-0.02
371	1517.	0.	-1520.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-8.	0.	0.	-9.	0.	0.	0.	45.	0.	0.	-1562.4	1562.3	-0.02
372	1520.	0.	-1521.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-8.	0.	0.	-9.	0.	0.	0.	44.	0.	0.	-1563.8	1563.8	-0.02
373	1521.	0.	-1523.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-7.	0.	0.	-9.	0.	0.	0.	43.	0.	0.	-1564.7	1564.7	-0.02
374	1523.	0.	-1523.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-7.	0.	0.	-9.	0.	0.	0.	42.	0.	0.	-1565.0	1565.0	-0.02
375	1523.	0.	-1523.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-15.	-7.	0.	0.	-9.	0.	0.	0.	41.	0.	0.	-1564.7	1564.6	-0.02
376	1523.	0.	-1523.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-7.	0.	0.	-9.	0.	0.	0.	40.	0.	0.	-1563.8	1563.8	-0.02
377	1523.	0.	-1522.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	40.	0.	0.	-1562.3	1562.3	-0.02
378	1522.	0.	-1520.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	39.	0.	0.	-1560.2	1560.2	-0.02
379	1520.	0.	-1518.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	38.	0.	0.	-1557.6	1557.6	-0.02
380	1518.	0.	-1515.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	37.	0.	0.	-1554.4	1554.4	-0.01
381	1515.	0.	-1512.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-6.	0.	0.	-9.	0.	0.	0.	36.	0.	0.	-1550.7	1550.7	-0.01
382	1512.	0.	-1508.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-5.	0.	0.	-9.	0.	0.	0.	35.	0.	0.	-1546.4	1546.4	-0.01
383	1508.	0.	-1503.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-14.	-5.	0.	0.	-9.	0.	0.	0.	34.	0.	0.	-1541.6	1541.6	-0.01
384	1503.	0.	-1498.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-14.	-5.	0.	0.	-9.	0.	0.	0.	33.	0.	0.	-1536.2	1536.2	-0.01
385	1498.	0.	-1493.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-13.	-5.	0.	0.	-9.	0.	0.	0.	32.	0.	0.	-1530.3	1530.3	-0.01
386	1493.	0.	-1487.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-13.	-5.	0.	0.	-9.	0.	0.	0.	31.	0.	0.	-1523.9	1523.9	-0.01
387	1487.	0.	-1480.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-13.	-5.	0.	0.	-9.	0.	0.	0.	30.	0.	0.	-1516.9	1516.9	-0.01
388	1480.	0.	-1473.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-13.	-5.	0.	0.	-9.	0.	0.	0.	29.	0.	0.	-1509.5	1509.4	-0.01
389	1473.	0.	-1466.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	-13.	-4.	0.	0.	-9.	0.	0.	0.	28.	0.	0.	-1501.5	1501.5	-0.01
390	1466.	0.	-1458.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	-13.	-4.	0.	0.	-9.	0.	0.	0.	27.	0.	0.	-1493.0	1493.0	-0.01
391	1458.	0.	-1449.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	-13.	-4.	0.	0.	-9.	0.	0.	0.	26.	0.	0.	-1484.1	1484.0	-0.01
392	1449.	0.	-1440.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	-13.	-4.	0.	0.	-9.	0.	0.	0.	25.	0.	0.	-1474.6	1474.6	-0.01
393	1440.	0.	-1431.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	-13.	-4.	0.	0.	-9.	0.	0.	0.	24.	0.	0.	-1464.7	1464.7	-0.01
394	1431.	0.	-1421.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	-12.	-4.	0.	0.	-9.	0.	0.	0.	24.	0.	0.	-1454.3	1454.3	-0.01
395	1421.	0.	-1410.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	-12.	-4.	0.	0.	-9.	0.	0.	0.	23.	0.	0.	-1443.4	1443.4	-0.01
396	1410.	0.	-1400.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	-12.	-4.	0.	0.	-9.	0.	0.	0.	22.	0.	0.	-1432.1	1432.1	-0.01
397	1400.	0.	-1388.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-12.	-4.	0.	0.	-9.	0.	0.	0.	21.	0.	0.	-1420.3	1420.3	-0.01
398	1388.	0.	-1377.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-12.	-3.	0.	0.	-9.	0.	0.	0.	20.	0.	0.	-1408.1	1408.1	-0.01
399	1377.	0.	-1364.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-12.	-3.	0.	0.	-9.	0.	0.	0.	19.	0.	0.	-1395.4	1395.4	-0.01
400	1364.	0.	-1352.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-12.	-3.	0.	0.	-9.	0.	0.	0.	18.	0.	0.	-1382.3	1382.3	-0.01
401	1352.	0.	-1339.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-12.	-3.	0.	0.	-9.	0.	0.	0.	17.	0.	0.	-1368.8	1368.8	-0.01
402	1339.	0.	-1325.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-12.	-3.	0.	0.	-9.	0.	0.	0.	16.	0.	0.	-1354.9	1354.9	-0.01
403	1325.	0.	-1312.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-12.	-3.	0.	0.	-9.	0.	0.	0.	15.	0.	0.	-1340.5	1340.5	-0.01

404	1312.	0.	-1297.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-12.	-3.	0.	0.	-9.	0.	0.	0.	14.	0.	0.	-1325.8	1325.7	-0.01
405	1297.	0.	-1283.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-11.	-3.	0.	0.	-9.	0.	0.	0.	13.	0.	0.	-1310.6	1310.6	-0.01
406	1283.	0.	-1268.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-11.	-3.	0.	0.	-9.	0.	0.	0.	12.	0.	0.	-1295.0	1295.0	-0.01
407	1268.	0.	-1252.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-11.	-3.	0.	0.	-9.	0.	0.	0.	11.	0.	0.	-1279.1	1279.1	-0.01
408	1252.	0.	-1237.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-11.	-3.	0.	0.	-9.	0.	0.	0.	10.	0.	0.	-1262.8	1262.8	-0.01
409	1237.	0.	-1221.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-11.	-3.	0.	0.	-9.	0.	0.	0.	9.	0.	0.	-1246.1	1246.1	-0.01
410	1221.	0.	-1204.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-11.	-3.	0.	0.	-9.	0.	0.	0.	8.	0.	0.	-1229.0	1229.0	-0.01
411	1204.	0.	-1187.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-11.	-2.	0.	0.	-9.	0.	0.	0.	8.	0.	0.	-1211.6	1211.6	-0.01
412	1187.	0.	-1170.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-11.	-2.	0.	0.	-9.	0.	0.	0.	7.	0.	0.	-1193.9	1193.9	-0.01
413	1170.	0.	-1153.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-11.	-2.	0.	0.	-9.	0.	0.	0.	6.	0.	0.	-1175.7	1175.7	-0.01
414	1153.	0.	-1135.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-11.	-2.	0.	0.	-9.	0.	0.	0.	5.	0.	0.	-1157.3	1157.3	-0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
415	1135.	0.	-1117.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-2.	0.	0.	-9.	0.	0.	0.	4.	0.	0.	-1138.5	1138.5	-0.01
416	1117.	0.	-1098.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-2.	0.	0.	-9.	0.	0.	0.	3.	0.	0.	-1119.7	1119.7	-0.01
417	1098.	0.	-1079.	0.	0.	0.	0.	0.	0.	0.	1.	-11.	-2.	0.	0.	-9.	0.	0.	0.	2.	0.	0.	-1100.8	1100.8	0.00
418	1079.	0.	-1060.	0.	0.	0.	0.	0.	0.	0.	1.	-11.	-2.	0.	0.	-9.	0.	0.	0.	1.	0.	0.	-1081.5	1081.5	0.00
419	1060.	0.	-1041.	0.	0.	0.	0.	0.	0.	0.	2.	-10.	-2.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-1062.0	1062.0	0.00
554	1041.	4115.	-5141.	0.	0.	0.	0.	0.	0.	0.	7.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5163.1	5163.1	0.00
555	5141.	0.	-5126.	0.	0.	0.	0.	0.	0.	0.	7.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5148.2	5148.1	0.00
556	5126.	0.	-5111.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5133.4	5133.4	0.00
557	5111.	0.	-5097.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5118.8	5118.8	0.00
558	5097.	0.	-5082.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5104.4	5104.4	0.00
559	5082.	0.	-5068.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5090.1	5090.1	0.00
560	5068.	0.	-5054.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5076.0	5076.0	0.00
561	5054.	0.	-5040.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5062.0	5062.0	0.00
562	5040.	0.	-5026.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5048.2	5048.2	0.00
563	5026.	0.	-5013.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5034.5	5034.5	0.00
564	5013.	0.	-4999.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5021.0	5021.0	0.00
565	4999.	0.	-4986.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5007.6	5007.6	0.00
566	4986.	0.	-4973.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4994.4	4994.4	0.00
567	4973.	0.	-4959.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4981.3	4981.3	0.00
568	4959.	0.	-4947.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4968.4	4968.4	0.00
569	4947.	0.	-4934.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4955.6	4955.6	0.00
570	4934.	0.	-4921.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4942.9	4942.9	0.00
571	4921.	0.	-4909.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4930.4	4930.4	0.00
572	4909.	0.	-4896.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4918.0	4918.0	0.00
573	4896.	0.	-4884.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4905.8	4905.8	0.00
574	4884.	0.	-4872.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4893.7	4893.7	0.00
575	4872.	0.	-4860.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4881.7	4881.7	0.00
576	4860.	0.	-4848.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4869.8	4869.8	0.00
577	4848.	0.	-4837.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4858.1	4858.1	0.00
578	4837.	0.	-4825.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4846.5	4846.5	0.00
579	4825.	0.	-4814.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4835.1	4835.1	0.00
580	4814.	0.	-4802.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4823.7	4823.7	0.00
581	4802.	0.	-4791.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4812.5	4812.5	0.00
582	4791.	0.	-4780.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4801.4	4801.4	0.00
583	4780.	0.	-4769.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4790.5	4790.5	0.00
584	4769.	0.	-4758.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4779.6	4779.6	0.00

585	4758.	0.	-4748.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4768.9	4768.9	0.00
586	4748.	0.	-4737.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4758.3	4758.3	0.00
587	4737.	0.	-4727.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4747.8	4747.8	0.00
588	4727.	0.	-4716.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4737.5	4737.5	0.00
589	4716.	0.	-4706.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4727.2	4727.2	0.00
590	4706.	0.	-4696.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4717.1	4717.1	0.00
591	4696.	0.	-4686.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4707.0	4707.0	0.00
592	4686.	0.	-4676.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4697.1	4697.1	0.00
593	4676.	0.	-4666.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4687.3	4687.3	0.00
594	4666.	0.	-4657.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4677.6	4677.6	0.00
595	4657.	0.	-4647.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4668.1	4668.1	0.00
596	4647.	0.	-4638.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4658.6	4658.6	0.00
597	4638.	0.	-4628.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4649.2	4649.2	0.00
598	4628.	0.	-4619.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4639.9	4639.9	0.00
599	4619.	0.	-4610.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4630.8	4630.8	0.00
600	4610.	0.	-4601.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4621.7	4621.7	0.00
601	4601.	0.	-4592.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4612.8	4612.8	0.00
602	4592.	0.	-4583.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4603.9	4603.9	0.00
603	4583.	0.	-4575.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4595.2	4595.2	0.00
604	4575.	0.	-4566.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4586.5	4586.5	0.00
605	4566.	0.	-4557.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4578.0	4578.0	0.00
606	4557.	0.	-4549.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4569.5	4569.5	0.00
607	4549.	0.	-4541.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4561.1	4561.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	INCR IN	INCR 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
608	4541.	0.	-4532.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4552.9	4552.9	0.00	
609	4532.	0.	-4524.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4544.7	4544.7	0.00	
610	4524.	0.	-4516.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4536.6	4536.6	0.00	
611	4516.	0.	-4508.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4528.6	4528.6	0.00	
612	4508.	0.	-4500.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4520.7	4520.7	0.00	
613	4500.	0.	-4493.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4512.9	4512.9	0.00	
614	4493.	0.	-4485.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4505.2	4505.2	0.00	
615	4485.	0.	-4477.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4497.6	4497.6	0.00	
616	4477.	0.	-4470.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4490.0	4490.0	0.00	
617	4470.	0.	-4462.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4482.6	4482.6	0.00	
618	4462.	0.	-4455.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4475.2	4475.2	0.00	
619	4455.	0.	-4448.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4467.9	4467.9	0.00	
620	4448.	0.	-4441.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4460.7	4460.7	0.00	
621	4441.	0.	-4434.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4453.6	4453.6	0.00	
622	4434.	0.	-4426.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4446.5	4446.5	0.00	
623	4426.	0.	-4420.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4439.6	4439.6	0.00	
624	4420.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4432.8	4432.8	0.00	
625	4413.	0.	-4406.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4426.0	4426.0	0.00	
626	4406.	0.	-4399.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4419.3	4419.3	0.00	
627	4399.	0.	-4393.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4412.6	4412.6	0.00	
628	4393.	0.	-4386.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4406.1	4406.1	0.00	
629	4386.	0.	-4380.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4399.6	4399.6	0.00	
630	4380.	0.	-4373.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4393.2	4393.2	0.00	
631	4373.	0.	-4367.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4386.8	4386.8	0.00	

632	4367.	0.	-4361.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4380.6	4380.6	0.00
633	4361.	0.	-4355.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4374.4	4374.4	0.00
634	4355.	0.	-4349.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4368.3	4368.3	0.00
635	4349.	0.	-4343.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4362.3	4362.3	0.00
636	4343.	0.	-4337.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4356.3	4356.3	0.00
637	4337.	0.	-4331.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4350.4	4350.4	0.00
638	4331.	0.	-4325.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4344.6	4344.6	0.00
639	4325.	0.	-4319.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4338.8	4338.8	0.00
640	4319.	0.	-4314.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4333.1	4333.1	0.00
641	4314.	0.	-4308.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4327.5	4327.5	0.00
642	4308.	0.	-4302.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4321.9	4321.9	0.00
643	4302.	0.	-4297.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4316.4	4316.4	0.00
644	4297.	0.	-4292.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4311.0	4311.0	0.00
645	4292.	0.	-4286.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4305.7	4305.7	0.00
646	4286.	0.	-4281.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4300.4	4300.4	0.00
647	4281.	0.	-4276.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4295.1	4295.1	0.00
648	4276.	0.	-4271.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4290.0	4290.0	0.00
649	4271.	0.	-4265.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4284.9	4284.9	0.00
650	4265.	0.	-4260.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4279.8	4279.8	0.00
651	4260.	0.	-4255.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4274.8	4274.8	0.00
652	4255.	0.	-4251.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4269.9	4269.9	0.00
653	4251.	0.	-4246.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4265.0	4265.0	0.00
654	4246.	0.	-4241.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4260.2	4260.2	0.00
655	4241.	0.	-4236.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4255.5	4255.5	0.00
656	4236.	0.	-4232.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4250.9	4250.9	0.00
657	4232.	0.	-4227.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4246.2	4246.2	0.00
658	4227.	0.	-4222.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4241.7	4241.7	0.00
659	4222.	0.	-4218.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4237.1	4237.1	0.00
660	4218.	0.	-4213.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4232.7	4232.7	0.00
661	4213.	0.	-4209.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4228.3	4228.3	0.00
662	4209.	0.	-4205.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4223.9	4223.9	0.00
663	4205.	0.	-4200.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4219.6	4219.6	0.00
664	4200.	0.	-4196.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4215.4	4215.4	0.00
665	4196.	0.	-4192.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4211.2	4211.2	0.00
666	4192.	0.	-4190.	0.	0.	0.	0.	0.	0.	2.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4209.5	4209.5	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
667	4190.	0.	-4186.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4205.2	4205.2	0.00
668	4186.	0.	-4182.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4200.9	4200.9	0.00
669	4182.	0.	-4178.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4196.7	4196.7	0.00
670	4178.	0.	-4173.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4192.6	4192.6	0.00
671	4173.	0.	-4169.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4188.5	4188.5	0.00
672	4169.	0.	-4165.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4184.5	4184.5	0.00
673	4165.	0.	-4161.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4180.5	4180.5	0.00
674	4161.	0.	-4157.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4176.6	4176.6	0.00
675	4157.	0.	-4154.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4172.7	4172.7	0.00
676	4154.	0.	-4150.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4168.9	4168.9	0.00
677	4150.	0.	-4146.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4165.1	4165.1	0.00
678	4146.	0.	-4144.	0.	0.	0.	0.	0.	0.	1.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4162.6	4162.6	0.00

679	4144.	0.	-4140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4158.9	4158.9	0.00
680	4140.	0.	-4136.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4155.2	4155.2	0.00
681	4136.	0.	-4133.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4151.7	4151.7	0.00
682	4133.	0.	-4129.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4148.1	4148.1	0.00
683	4129.	0.	-4126.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4144.6	4144.6	0.00
684	4126.	0.	-4122.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4141.2	4141.2	0.00
685	4122.	0.	-4119.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4137.7	4137.7	0.00
686	4119.	0.	-4115.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4134.4	4134.4	0.00
687	4115.	0.	-4112.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4131.1	4131.1	0.00
688	4112.	0.	-4109.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4127.8	4127.8	0.00
689	4109.	0.	-4106.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4124.6	4124.6	0.00
690	4106.	0.	-4103.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4121.4	4121.4	0.00
691	4103.	0.	-4099.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4118.2	4118.2	0.00
692	4099.	0.	-4096.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4115.1	4115.1	0.00
693	4096.	0.	-4093.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4112.1	4112.1	0.00
694	4093.	0.	-4090.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4109.0	4109.0	0.00
695	4090.	0.	-4087.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4106.1	4106.1	0.00
696	4087.	0.	-4084.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4103.1	4103.1	0.00
697	4084.	0.	-4082.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4100.2	4100.2	0.00
698	4082.	0.	-4079.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4097.4	4097.4	0.00
699	4079.	0.	-4076.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4094.6	4094.6	0.00
700	4076.	0.	-4073.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4091.8	4091.8	0.00
701	4073.	0.	-4070.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4089.0	4089.0	0.00
702	4070.	0.	-4068.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4086.3	4086.3	0.00
703	4068.	0.	-4065.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4083.7	4083.7	0.00
704	4065.	0.	-4062.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4081.0	4081.0	0.00
705	4062.	0.	-4060.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4078.4	4078.4	0.00
706	4060.	0.	-4057.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4075.9	4075.9	0.00
707	4057.	0.	-4055.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4073.4	4073.4	0.00
708	4055.	0.	-4052.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4070.9	4070.9	0.00
709	4052.	0.	-4050.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-3.	-1.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4068.4	4068.4	0.00
829	4050.	390.	-4437.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-11.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4456.5	4456.5	0.00
830	4437.	0.	-4434.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4453.4	4453.4	0.00
831	4434.	0.	-4431.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4450.5	4450.5	0.00
832	4431.	0.	-4428.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4447.7	4447.7	0.00
833	4428.	0.	-4426.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4445.1	4445.1	0.00
834	4426.	0.	-4423.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4442.5	4442.5	0.00
835	4423.	0.	-4421.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4440.1	4440.1	0.00
836	4421.	0.	-4419.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4437.8	4437.8	0.00
837	4419.	0.	-4417.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4435.6	4435.6	0.00
838	4417.	0.	-4415.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4433.5	4433.5	0.00
839	4415.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4431.5	4431.5	0.00
840	4413.	0.	-4411.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-10.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4429.6	4429.6	0.00
841	4411.	0.	-4409.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4427.9	4427.9	0.00
842	4409.	0.	-4408.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4426.2	4426.2	0.00
843	4408.	0.	-4406.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4424.7	4424.7	0.00
844	4406.	0.	-4405.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4423.2	4423.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	INCR IN	NONP IN	WSLD OUT	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

845	4405.	0.	-4403.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4421.8	4421.8	0.00
846	4403.	0.	-4402.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4420.6	4420.6	0.00
847	4402.	0.	-4401.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4419.4	4419.4	0.00
848	4401.	0.	-4400.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4418.4	4418.4	0.00
849	4400.	0.	-4399.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4417.4	4417.4	0.00
850	4399.	0.	-4399.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4416.5	4416.5	0.00
851	4399.	0.	-4398.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4415.7	4415.7	0.00
852	4398.	0.	-4397.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4415.0	4415.0	0.00
853	4397.	0.	-4397.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4414.4	4414.4	0.00
854	4397.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.8	4413.8	0.00
855	4396.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.4	4413.4	0.00
856	4396.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.0	4413.0	0.00
857	4396.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.8	4412.8	0.00
858	4395.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.6	4412.6	0.00
859	4395.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.4	4412.4	0.00
860	4395.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.4	4412.4	0.00
861	4395.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.4	4412.4	0.00
862	4395.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.5	4412.5	0.00
863	4396.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4412.7	4412.7	0.00
864	4396.	0.	-4396.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.0	4413.0	0.00
865	4396.	0.	-4397.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.3	4413.3	0.00
866	4397.	0.	-4397.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4413.7	4413.7	0.00
867	4397.	0.	-4398.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4414.1	4414.1	0.00
868	4398.	0.	-4398.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4414.7	4414.7	0.00
869	4398.	0.	-4399.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4415.3	4415.3	0.00
870	4399.	0.	-4400.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4415.9	4415.9	0.00
871	4400.	0.	-4400.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4416.6	4416.6	0.00
872	4400.	0.	-4401.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4417.4	4417.4	0.00
873	4401.	0.	-4402.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4418.3	4418.3	0.00
874	4402.	0.	-4403.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4419.2	4419.2	0.00
875	4403.	0.	-4404.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4420.2	4420.2	0.00
876	4404.	0.	-4405.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4421.2	4421.2	0.00
877	4405.	0.	-4406.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4422.3	4422.3	0.00
878	4406.	0.	-4408.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-8.	0.	0.	0.	0.	0.	0.	-4423.4	4423.4	0.00
1047	4408.	4.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4426.4	4426.4	0.00
1048	4412.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4426.5	4426.5	0.00
1049	4412.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4426.6	4426.6	0.00
1050	4412.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4426.7	4426.7	0.00
1051	4412.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4426.8	4426.8	0.00
1052	4412.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4427.0	4427.0	0.00
1053	4412.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4427.2	4427.2	0.00
1054	4413.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4427.4	4427.4	0.00
1055	4413.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4427.7	4427.7	0.00
1056	4413.	0.	-4413.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4427.9	4427.9	0.00
1057	4413.	0.	-4414.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4428.2	4428.2	0.00
1058	4414.	0.	-4414.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4428.6	4428.6	0.00
1059	4414.	0.	-4414.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4428.9	4428.9	0.00
1060	4414.	0.	-4415.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4429.3	4429.3	0.00
1061	4415.	0.	-4415.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4429.7	4429.7	0.00
1062	4415.	0.	-4416.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4430.1	4430.1	0.00

1063	4416.	0.	-4416.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4430.6	4430.6	0.00									
1064	4416.	0.	-4417.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4431.1	4431.1	0.00									
1065	4417.	0.	-4417.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4431.6	4431.6	0.00									
1066	4417.	0.	-4418.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4432.1	4432.1	0.00									
1067	4418.	0.	-4418.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4432.7	4432.7	0.00									
1068	4418.	0.	-4419.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4433.2	4433.2	0.00									
1069	4419.	0.	-4420.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4433.8	4433.8	0.00									
1070	4420.	0.	-4420.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4434.4	4434.4	0.00									
1071	4420.	0.	-4421.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4435.1	4435.1	0.00									

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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
1072	4421.	0.	-4422.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4435.7	4435.7	0.00
1073	4422.	0.	-4422.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4436.4	4436.4	0.00
1074	4422.	0.	-4423.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4437.1	4437.1	0.00
1075	4423.	0.	-4424.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4437.8	4437.8	0.00
1076	4424.	0.	-4424.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4438.6	4438.6	0.00
1077	4424.	0.	-4425.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4439.3	4439.3	0.00
1078	4425.	0.	-4426.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4440.1	4440.1	0.00
1079	4426.	0.	-4427.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4440.9	4440.9	0.00
1080	4427.	0.	-4428.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4441.7	4441.7	0.00
1081	4428.	0.	-4429.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4442.5	4442.5	0.00
1082	4429.	0.	-4429.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4443.4	4443.4	0.00
1083	4429.	0.	-4430.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4444.3	4444.3	0.00
1084	4430.	0.	-4431.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4445.1	4445.1	0.00
1085	4431.	0.	-4432.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4446.1	4446.1	0.00
1086	4432.	0.	-4433.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4447.0	4447.0	0.00
1087	4433.	0.	-4434.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4447.9	4447.9	0.00
1088	4434.	0.	-4435.	0.	0.	0.	0.	0.	0.	0.	15.	-4.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4448.9	4448.9	0.00
1089	4435.	0.	-4436.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4449.8	4449.8	0.00
1090	4436.	0.	-4437.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4450.8	4450.8	0.00
1091	4437.	0.	-4438.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4451.8	4451.8	0.00
1092	4438.	0.	-4439.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4452.9	4452.9	0.00
1093	4439.	0.	-4440.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4453.9	4453.9	0.00
1094	4440.	0.	-4441.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4454.9	4454.9	0.00
1095	4441.	0.	-4442.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4456.0	4456.0	0.00
1096	4442.	0.	-4443.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4457.1	4457.1	0.00
1097	4443.	0.	-4445.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4458.2	4458.2	0.00
1098	4445.	0.	-4446.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4459.3	4459.3	0.00
1099	4446.	0.	-4447.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4460.4	4460.4	0.00
1100	4447.	0.	-4448.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4461.6	4461.6	0.00
1101	4448.	0.	-4449.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4462.7	4462.7	0.00
1102	4449.	0.	-4450.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4463.9	4463.9	0.00
1103	4450.	0.	-4452.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4465.0	4465.0	0.00
1104	4452.	0.	-4453.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4466.2	4466.2	0.00
1105	4453.	0.	-4454.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4467.4	4467.4	0.00
1106	4454.	0.	-4455.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4468.6	4468.6	0.00
1107	4455.	0.	-4457.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4469.9	4469.9	0.00
1108	4457.	0.	-4458.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4471.1	4471.1	0.00
1109	4458.	0.	-4459.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4472.4	4472.4	0.00

1110	4459.	0.	-4460.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4473.6	4473.6	0.00
1111	4460.	0.	-4462.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4474.9	4474.9	0.00
1112	4462.	0.	-4463.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4476.2	4476.2	0.00
1113	4463.	0.	-4464.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4477.5	4477.5	0.00
1114	4464.	0.	-4466.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4478.8	4478.8	0.00
1115	4466.	0.	-4467.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4480.1	4480.1	0.00
1116	4467.	0.	-4468.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4481.4	4481.4	0.00
1117	4468.	0.	-4470.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4482.7	4482.7	0.00
1118	4470.	0.	-4471.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4484.1	4484.1	0.00
1119	4471.	0.	-4472.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4485.4	4485.4	0.00
1120	4472.	0.	-4474.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4486.8	4486.8	0.00
1121	4474.	0.	-4475.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4488.2	4488.2	0.00
1122	4475.	0.	-4476.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4489.6	4489.6	0.00
1123	4476.	0.	-4478.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4491.0	4491.0	0.00
1124	4478.	0.	-4479.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4492.4	4492.4	0.00
1125	4479.	0.	-4481.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4493.8	4493.8	0.00
1126	4481.	0.	-4482.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4495.2	4495.2	0.00
1127	4482.	0.	-4484.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4496.6	4496.6	0.00
1128	4484.	0.	-4485.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4498.0	4498.0	0.00
1129	4485.	0.	-4487.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4499.5	4499.5	0.00
1130	4487.	0.	-4488.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4500.9	4500.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

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	TOT IN
1131	4488.	0.	-4489.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4502.4	4502.4	0.00
1132	4489.	0.	-4491.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4503.9	4503.9	0.00
1133	4491.	0.	-4492.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4505.3	4505.3	0.00
1134	4492.	0.	-4494.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4506.8	4506.8	0.00
1135	4494.	0.	-4495.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4508.3	4508.3	0.00
1136	4495.	0.	-4497.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4509.8	4509.8	0.00
1137	4497.	0.	-4498.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4511.3	4511.3	0.00
1138	4498.	0.	-4500.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4512.8	4512.8	0.00
1139	4500.	0.	-4502.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4514.3	4514.3	0.00
1140	4502.	0.	-4503.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4515.8	4515.8	0.00
1141	4503.	0.	-4505.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4517.3	4517.3	0.00
1142	4505.	0.	-4506.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4518.9	4518.9	0.00
1143	4506.	0.	-4508.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4520.4	4520.4	0.00
1144	4508.	0.	-4509.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4522.0	4522.0	0.00
1145	4509.	0.	-4511.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4523.5	4523.5	0.00
1146	4511.	0.	-4512.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4525.1	4525.1	0.00
1147	4512.	0.	-4514.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4526.6	4526.6	0.00
1148	4514.	0.	-4516.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4528.2	4528.2	0.00
1149	4516.	0.	-4517.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4529.7	4529.7	0.00
1150	4517.	0.	-4519.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4531.3	4531.3	0.00
1151	4519.	0.	-4520.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4532.9	4532.9	0.00
1152	4520.	0.	-4522.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4534.5	4534.5	0.00
1153	4522.	0.	-4523.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4536.1	4536.1	0.00
1154	4523.	0.	-4525.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4537.6	4537.6	0.00
1155	4525.	0.	-4527.	0.	0.	0.	0.	0.	0.	0.	14.	-2.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-4539.2	4539.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

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
126	1.	0.	-855.	0.	0.	0.	0.	0.	0.	852.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-855.2	855.2	0.00
127	855.	0.	-856.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-856.8	856.8	0.00
128	856.	0.	-858.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-858.5	858.5	0.00
129	858.	0.	-860.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-860.1	860.1	0.00
130	860.	0.	-861.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-861.7	861.7	0.00
131	861.	0.	-863.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-863.3	863.3	0.00
132	863.	0.	-864.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-864.8	864.8	0.00
133	864.	0.	-866.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-866.4	866.4	0.00
134	866.	0.	-867.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-867.9	867.9	0.00
135	867.	0.	-869.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-869.5	869.5	0.00
136	869.	0.	-870.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-871.0	871.0	0.00
137	870.	0.	-872.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-872.5	872.5	0.00
138	872.	0.	-873.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-873.9	873.9	0.00
139	873.	0.	-875.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-875.4	875.4	0.00
140	875.	0.	-876.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-876.9	876.9	0.00
141	876.	0.	-878.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-878.3	878.3	0.00
142	878.	0.	-879.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-879.7	879.7	0.00
143	879.	0.	-881.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-881.1	881.1	0.00
144	881.	0.	-882.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-882.5	882.5	0.00
145	882.	0.	-883.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-883.9	883.9	0.00
146	883.	0.	-885.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-885.2	885.2	0.00
147	885.	0.	-886.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-886.6	886.6	0.00
148	886.	0.	-887.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-888.0	888.0	0.00
149	887.	0.	-889.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-889.3	889.3	0.00
150	889.	0.	-890.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-890.6	890.6	0.00
151	890.	0.	-891.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-891.9	891.9	0.00
152	891.	0.	-893.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-893.2	893.2	0.00
153	893.	0.	-894.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-894.5	894.5	0.00
154	894.	0.	-895.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-895.8	895.8	0.00
155	895.	0.	-896.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-897.0	897.0	0.00
156	896.	0.	-898.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-898.2	898.2	0.00
157	898.	0.	-899.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-899.5	899.5	0.00
158	899.	0.	-900.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-900.8	900.8	0.00
159	900.	0.	-901.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-902.0	902.0	0.00
160	901.	0.	-903.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-903.2	903.2	0.00
161	903.	0.	-904.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-904.3	904.3	0.00
162	904.	0.	-905.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-905.5	905.5	0.00
163	905.	0.	-906.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-906.6	906.6	0.00
164	906.	0.	-907.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-907.8	907.8	0.00
165	907.	0.	-908.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-908.9	908.9	0.00
166	908.	0.	-909.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-910.1	910.1	0.00
167	909.	0.	-911.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-911.2	911.2	0.00
168	911.	0.	-912.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-912.3	912.3	0.00
169	912.	0.	-913.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-913.3	913.3	0.00
170	913.	0.	-914.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-914.4	914.4	0.00
171	914.	0.	-915.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-915.5	915.5	0.00
172	915.	0.	-916.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-916.5	916.5	0.00
173	916.	0.	-917.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-917.6	917.6	0.00

174	917.	0.	-918.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-918.6	918.6	0.00									
175	918.	0.	-919.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-919.6	919.6	0.00									
176	919.	0.	-920.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-920.6	920.6	0.00									
177	920.	0.	-921.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-921.6	921.6	0.00									
178	921.	0.	-922.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-922.6	922.6	0.00									
179	922.	0.	-923.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-923.6	923.6	0.00									
180	923.	0.	-924.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-924.5	924.5	0.00									
181	924.	0.	-925.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-925.5	925.5	0.00									
182	925.	0.	-926.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-926.5	926.5	0.00									
183	926.	0.	-927.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-928.9	928.9	0.00									
184	927.	0.	-928.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-929.8	929.8	0.00									

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

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
185	928.	0.	-929.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	-930.7	930.7	0.00		
186	929.	0.	-930.	0.	0.	0.	0.	0.	0.	1.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-932.3	932.3	0.00		
187	930.	0.	-931.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-933.4	933.4	0.00		
188	931.	0.	-932.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-934.2	934.2	0.00		
189	932.	0.	-933.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-935.0	935.0	0.00		
190	933.	0.	-934.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-935.8	935.8	0.00		
191	934.	0.	-934.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-936.6	936.6	0.00		
192	934.	0.	-935.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-937.3	937.3	0.00		
193	935.	0.	-936.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-938.1	938.1	0.00		
194	936.	0.	-937.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-938.8	938.8	0.00		
195	937.	0.	-937.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-939.6	939.6	0.00		
196	937.	0.	-938.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-940.3	940.3	0.00		
197	938.	0.	-939.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-941.0	941.0	0.00		
198	939.	0.	-940.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-941.7	941.7	0.00		
199	940.	0.	-940.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-942.4	942.4	0.00		
200	940.	0.	-941.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-943.0	943.0	0.00		
201	941.	0.	-942.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-943.7	943.7	0.00		
202	942.	0.	-942.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-944.4	944.3	0.00		
203	942.	0.	-943.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-945.0	945.0	0.00		
204	943.	0.	-944.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-945.6	945.6	0.00		
205	944.	0.	-944.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-946.2	946.2	0.00		
206	944.	0.	-945.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-946.9	946.9	0.00		
207	945.	0.	-945.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-947.5	947.5	0.00		
208	945.	0.	-946.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-948.1	948.1	0.00		
209	946.	0.	-947.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-948.6	948.6	0.00		
210	947.	0.	-947.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-949.2	949.2	0.00		
211	947.	0.	-948.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-949.8	949.8	0.00		
212	948.	0.	-948.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-950.3	950.3	0.00		
213	948.	0.	-949.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-950.9	950.9	0.00		
214	949.	0.	-949.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-951.4	951.4	0.00		
215	949.	0.	-950.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-952.0	952.0	0.00		
216	950.	0.	-950.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-952.5	952.5	0.00		
217	950.	0.	-951.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-953.0	953.0	0.00		
218	951.	0.	-951.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-953.5	953.5	0.00		
219	951.	0.	-952.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-954.0	954.0	0.00		
220	952.	0.	-952.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	-954.5	954.5	0.00		

221	952.	0.	-953.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-955.0	955.0	0.00
222	953.	0.	-953.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-955.5	955.5	0.00
223	953.	0.	-954.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-956.0	956.0	0.00
224	954.	0.	-954.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-956.4	956.4	0.00
225	954.	0.	-955.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-956.9	956.9	0.00
226	955.	0.	-955.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-957.3	957.3	0.00
227	955.	0.	-956.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-957.8	957.8	0.00
228	956.	0.	-956.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-958.2	958.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #1

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR DISP	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
272	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.9	1.9	0.00		
273	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.9	1.9	0.00		
274	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.9	1.9	0.00		
275	1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.9	1.9	0.00		
276	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.0	2.0	0.00		
277	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.0	2.0	0.00		
278	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.0	2.0	0.00		
279	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.0	2.0	0.00		
280	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.0	2.0	0.00		
281	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.1	2.1	0.00		
282	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.1	2.1	0.00		
283	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.1	2.1	0.00		
284	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.1	2.1	0.00		
285	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00		
286	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00		
287	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00		
288	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00		
289	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.2	2.2	0.00		
290	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00		
291	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00		
292	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00		
293	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.3	2.3	0.00		
294	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00		
295	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00		
296	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00		
297	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.4	2.4	0.00		
298	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00		
299	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00		
300	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00		
301	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00		
302	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.5	2.5	0.00		
303	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00		
304	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.6	2.6	0.00		
305	2.	0.	-3.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	-4.6	4.6	0.00		
306	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	-4.4	4.4	0.00		
307	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	-4.4	4.4	0.00		
308	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	-4.4	4.4	0.00		
309	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	-4.4	4.4	0.00		

310	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.5	4.5	0.00		
311	3.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.6	4.6	0.00		
312	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.7	4.7	0.00		
313	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.8	4.8	0.00		
314	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.9	4.9	0.00		
315	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.0	5.0	0.00		
316	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.1	5.1	0.00		
317	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.2	5.2	0.00		
318	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.3	5.3	0.00		
319	4.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.4	5.4	0.00		
320	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.6	5.6	0.00		
321	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.7	5.7	0.00		
322	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.8	5.8	0.00		
323	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-5.9	5.9	0.00		
324	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.0	6.0	0.00		
325	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.1	6.1	0.00		
326	5.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.2	6.2	0.00		
327	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.4	6.4	0.00		
328	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.5	6.5	0.00		
329	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.6	6.6	0.00		
330	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-6.7	6.7	0.00		

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #1

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR 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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
331	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.8	6.8	0.00				
332	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.9	6.9	0.00				
333	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.1	7.1	0.00				
334	6.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.2	7.2	0.00				
335	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.3	7.3	0.00				
336	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.4	7.4	0.00				
337	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.5	7.5	0.00				
338	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.7	7.7	0.00				
339	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.8	7.8	0.00				
340	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-7.9	7.9	0.00				
341	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.0	8.0	0.00				
342	7.	0.	-8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.2	8.2	0.00				
343	8.	0.	-8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.3	8.3	0.00				
344	8.	0.	-8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.5	8.5	0.00				
345	8.	0.	-8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.6	8.6	0.00				
346	8.	0.	-8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-8.8	8.8	0.00				

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR 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 DECA	NCM BKGD	SOD BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
420	4814.	0.	-4805.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4815.5	4815.5	0.00		
421	4805.	0.	-4795.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4805.7	4805.7	0.00		
422	4795.	0.	-4785.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4796.0	4796.0	0.00		
423	4785.	0.	-4776.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4786.5	4786.5	0.00		
424	4776.	0.	-4766.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4777.0	4777.0	0.00		
425	4766.	0.	-4757.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4767.7	4767.7	0.00		
426	4757.	0.	-4748.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4758.4	4758.4	0.00		

427	4748.	0.	-4738.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4749.3	4749.3	0.00
428	4738.	0.	-4730.	0.	0.	0.	0.	0.	0.	1.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4741.2	4741.2	0.00
429	4730.	0.	-4721.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4732.1	4732.1	0.00
430	4721.	0.	-4712.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4723.2	4723.2	0.00
431	4712.	0.	-4703.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4714.3	4714.3	0.00
432	4703.	0.	-4695.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4705.5	4705.5	0.00
433	4695.	0.	-4686.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4696.8	4696.8	0.00
434	4686.	0.	-4677.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4688.3	4688.3	0.00
435	4677.	0.	-4669.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4679.8	4679.8	0.00
436	4669.	0.	-4661.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4671.4	4671.4	0.00
437	4661.	0.	-4652.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4663.1	4663.1	0.00
438	4652.	0.	-4644.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4655.0	4654.9	0.00
439	4644.	0.	-4636.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4646.9	4646.9	0.00
440	4636.	0.	-4628.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4638.9	4638.9	0.00
441	4628.	0.	-4620.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4631.0	4631.0	0.00
442	4620.	0.	-4612.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4623.1	4623.1	0.00
443	4612.	0.	-4605.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4615.4	4615.4	0.00
444	4605.	0.	-4597.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4607.8	4607.8	0.00
445	4597.	0.	-4589.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4600.2	4600.2	0.00
446	4589.	0.	-4582.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4592.8	4592.8	0.00
447	4582.	0.	-4575.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4585.4	4585.4	0.00
448	4575.	0.	-4567.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4578.1	4578.1	0.00
449	4567.	0.	-4560.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4570.9	4570.9	0.00
450	4560.	0.	-4553.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4563.7	4563.7	0.00
451	4553.	0.	-4546.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4556.7	4556.7	0.00
452	4546.	0.	-4539.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4549.7	4549.7	0.00
453	4539.	0.	-4532.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4542.9	4542.8	0.00
454	4532.	0.	-4525.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4536.0	4536.0	0.00
455	4525.	0.	-4519.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4529.3	4529.3	0.00
456	4519.	0.	-4513.	0.	0.	0.	0.	0.	0.	1.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4523.3	4523.3	0.00
457	4513.	0.	-4506.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4516.6	4516.6	0.00
458	4506.	0.	-4499.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4510.0	4510.0	0.00
459	4499.	0.	-4493.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4503.5	4503.5	0.00
460	4493.	0.	-4486.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4497.1	4497.1	0.00
461	4486.	0.	-4480.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4490.7	4490.7	0.00
462	4480.	0.	-4474.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4484.4	4484.4	0.00
463	4474.	0.	-4476.	0.	0.	0.	0.	0.	0.	9.	0.	4.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4487.7	4487.7	0.00
464	4476.	0.	-4470.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4480.9	4480.9	0.00
465	4470.	0.	-4463.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4474.2	4474.2	0.00
466	4463.	0.	-4456.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4467.6	4467.6	0.00
467	4456.	0.	-4450.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4461.0	4461.0	0.00
468	4450.	0.	-4443.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4454.6	4454.6	0.00
469	4443.	0.	-4437.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4448.2	4448.2	0.00
470	4437.	0.	-4431.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4441.9	4441.9	0.00
471	4431.	0.	-4424.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4435.7	4435.7	0.00
472	4424.	0.	-4418.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4429.5	4429.5	0.00
473	4418.	0.	-4412.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4423.4	4423.4	0.00
474	4412.	0.	-4406.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4417.5	4417.5	0.00
475	4406.	0.	-4400.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4411.5	4411.5	0.00
476	4400.	0.	-4395.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4405.7	4405.7	0.00

477	4395.	0.	-4389.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4399.9	4399.9	0.00						
478	4389.	0.	-4383.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4394.2	4394.2	0.00						

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

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
479	4383.	0.	-4378.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4388.6	4388.6	0.00
480	4378.	0.	-4372.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4383.0	4383.0	0.00
481	4372.	0.	-4367.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4377.6	4377.5	0.00
482	4367.	0.	-4361.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4372.1	4372.1	0.00
483	4361.	0.	-4356.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4366.8	4366.8	0.00
484	4356.	0.	-4351.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4361.5	4361.5	0.00
485	4351.	0.	-4345.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4356.3	4356.3	0.00
486	4345.	0.	-4340.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4351.1	4351.1	0.00
487	4340.	0.	-4335.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4346.0	4346.0	0.00
488	4335.	0.	-4330.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4341.0	4341.0	0.00
489	4330.	0.	-4325.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4336.1	4336.1	0.00
490	4325.	0.	-4320.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4331.2	4331.2	0.00
491	4320.	0.	-4315.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4326.3	4326.3	0.00
492	4315.	0.	-4311.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4321.5	4321.5	0.00
493	4311.	0.	-4306.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4316.8	4316.8	0.00
494	4306.	0.	-4301.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4312.2	4312.2	0.00
495	4301.	0.	-4297.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4307.6	4307.6	0.00
496	4297.	0.	-4292.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4303.0	4303.0	0.00
497	4292.	0.	-4288.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4298.5	4298.5	0.00
498	4288.	0.	-4283.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4294.1	4294.1	0.00
499	4283.	0.	-4279.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4289.7	4289.7	0.00
500	4279.	0.	-4275.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4285.4	4285.4	0.00
501	4275.	0.	-4270.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4281.2	4281.1	0.00
502	4270.	0.	-4266.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4276.9	4276.9	0.00
503	4266.	0.	-4262.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4272.8	4272.8	0.00
504	4262.	0.	-4258.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4268.7	4268.7	0.00
505	4258.	0.	-4254.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4264.6	4264.6	0.00
506	4254.	0.	-4250.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4260.6	4260.6	0.00
507	4250.	0.	-4246.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4256.7	4256.7	0.00
508	4246.	0.	-4242.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4252.8	4252.8	0.00
509	4242.	0.	-4238.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4248.9	4248.9	0.00
510	4238.	0.	-4234.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4245.1	4245.1	0.00
511	4234.	0.	-4231.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4241.3	4241.3	0.00
512	4231.	0.	-4227.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4237.6	4237.6	0.00
513	4227.	0.	-4223.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4234.0	4234.0	0.00
514	4223.	0.	-4220.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4230.3	4230.3	0.00
515	4220.	0.	-4216.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4226.8	4226.8	0.00
516	4216.	0.	-4213.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4223.2	4223.2	0.00
517	4213.	0.	-4209.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4219.8	4219.8	0.00
518	4209.	0.	-4206.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4216.3	4216.3	0.00
519	4206.	0.	-4202.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4212.9	4212.9	0.00
520	4202.	0.	-4199.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4209.6	4209.6	0.00
521	4199.	0.	-4196.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4206.3	4206.3	0.00
522	4196.	0.	-4192.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4203.0	4203.0	0.00
523	4192.	0.	-4189.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4199.8	4199.8	0.00

524	4189.	0.	-4186.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4196.6	4196.6	0.00
525	4186.	0.	-4183.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4193.4	4193.4	0.00
526	4183.	0.	-4180.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4190.3	4190.3	0.00
527	4180.	0.	-4177.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4187.2	4187.2	0.00
528	4177.	0.	-4174.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4184.2	4184.2	0.00
529	4174.	0.	-4171.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4181.2	4181.2	0.00
530	4171.	0.	-4168.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4178.3	4178.3	0.00
531	4168.	0.	-4165.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4175.4	4175.4	0.00
532	4165.	0.	-4162.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4172.5	4172.5	0.00
533	4162.	0.	-4159.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4169.6	4169.6	0.00
534	4159.	0.	-4156.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4166.8	4166.8	0.00
535	4156.	0.	-4154.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4164.1	4164.0	0.00
536	4154.	0.	-4151.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4161.3	4161.3	0.00
537	4151.	0.	-4148.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4158.6	4158.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

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
538	4148.	0.	-4146.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4155.9	4155.9	0.00
539	4146.	0.	-4143.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4153.3	4153.3	0.00
540	4143.	0.	-4140.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4150.7	4150.7	0.00
541	4140.	0.	-4138.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4148.1	4148.1	0.00
542	4138.	0.	-4135.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4145.6	4145.6	0.00
543	4135.	0.	-4133.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4143.1	4143.1	0.00
544	4133.	0.	-4130.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4140.6	4140.6	0.00
545	4130.	0.	-4128.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4138.2	4138.2	0.00
546	4128.	0.	-4125.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4135.8	4135.8	0.00
547	4125.	0.	-4123.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4133.4	4133.4	0.00
548	4123.	0.	-4121.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4131.0	4131.0	0.00
549	4121.	0.	-4118.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	-4128.7	4128.7	0.00
550	4118.	0.	-4125.	0.	0.	0.	0.	0.	10.	0.	8.	-3.	-2.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4136.9	4136.9	0.00
551	4125.	0.	-4122.	0.	0.	0.	0.	0.	0.	0.	8.	-3.	-2.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4133.4	4133.4	0.00
552	4122.	0.	-4118.	0.	0.	0.	0.	0.	0.	0.	8.	-3.	-2.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4130.0	4130.0	0.00
553	4118.	0.	-4115.	0.	0.	0.	0.	0.	0.	0.	8.	-3.	-2.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4126.6	4126.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

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
710	333.	0.	-348.	0.	0.	0.	0.	0.	0.	0.	6.	-3.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-353.5	353.5	0.00
711	348.	0.	-362.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-368.1	368.1	0.00
712	362.	0.	-376.	0.	0.	0.	0.	0.	0.	0.	5.	-3.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-382.0	382.0	0.00
713	376.	0.	-390.	0.	0.	0.	0.	0.	0.	0.	4.	-3.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-395.3	395.3	0.00
714	390.	0.	-402.	0.	0.	0.	0.	0.	0.	0.	4.	-3.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-407.9	407.9	0.00
715	402.	0.	-414.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-419.9	419.9	0.00
716	414.	0.	-426.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-431.4	431.4	0.00
717	426.	0.	-437.	0.	0.	0.	0.	0.	0.	0.	3.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-442.3	442.3	0.00
718	437.	0.	-447.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-452.7	452.7	0.00
719	447.	0.	-457.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-462.6	462.6	0.00
720	457.	0.	-466.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-471.9	471.9	0.00
721	466.	0.	-475.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-480.8	480.8	0.00
722	475.	0.	-483.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-489.3	489.3	0.00
723	483.	0.	-491.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-497.3	497.3	0.00

724	491.	0.	-499.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-504.8	504.8	0.00
725	499.	0.	-506.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-512.1	512.1	0.00
726	506.	0.	-513.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-519.1	519.1	0.00
727	513.	0.	-519.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-525.8	525.8	0.00
728	519.	0.	-525.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-532.0	532.0	0.00
729	525.	0.	-531.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-3.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-537.9	537.9	0.00
730	531.	0.	-536.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-543.4	543.4	0.00
731	536.	0.	-541.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-548.6	548.6	0.00
732	541.	0.	-546.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-553.5	553.5	0.00
733	546.	0.	-550.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-558.1	558.1	0.00
734	550.	0.	-554.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-562.3	562.3	0.00
735	554.	0.	-558.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-566.3	566.3	0.00
736	558.	0.	-562.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-570.0	569.9	0.00
737	562.	0.	-565.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-573.4	573.4	0.00
738	565.	0.	-568.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-3.	0.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-576.5	576.5	0.00
739	568.	0.	-602.	0.	0.	0.	0.	0.	0.	35.	0.	-2.	-6.	-3.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-614.9	614.9	-0.01
740	602.	0.	-600.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-3.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-612.7	612.7	-0.01
741	600.	0.	-597.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-3.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-610.6	610.6	-0.01
742	597.	0.	-595.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-3.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-608.4	608.4	-0.01
743	595.	0.	-593.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-606.3	606.3	-0.01
744	593.	0.	-591.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-604.1	604.1	-0.01
745	591.	0.	-589.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-602.0	602.0	-0.01
746	589.	0.	-587.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-599.8	599.8	-0.01
747	587.	0.	-585.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-597.7	597.7	-0.01
748	585.	0.	-583.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-595.5	595.5	-0.01
749	583.	0.	-581.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-593.4	593.4	-0.01
750	581.	0.	-579.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-591.2	591.2	-0.01
751	579.	0.	-577.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-589.1	589.1	-0.01
752	577.	0.	-575.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-586.9	586.9	-0.01
753	575.	0.	-573.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-584.8	584.8	-0.01
754	573.	0.	-571.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-582.6	582.6	-0.01
755	571.	0.	-569.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-580.5	580.4	-0.01
756	569.	0.	-567.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-578.3	578.3	-0.01
757	567.	0.	-565.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-576.1	576.1	0.00
758	565.	0.	-563.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-573.9	573.9	0.00
759	563.	0.	-561.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-571.7	571.7	0.00
760	561.	0.	-559.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-569.5	569.5	0.00
761	559.	0.	-557.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-567.3	567.3	0.00
762	557.	0.	-555.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-565.2	565.2	0.00
763	555.	0.	-553.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-563.0	563.0	0.00
764	553.	0.	-550.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-560.9	560.9	0.00
765	550.	0.	-548.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-558.7	558.7	0.00
766	548.	0.	-546.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-556.6	556.6	0.00
767	546.	0.	-544.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-554.4	554.4	0.00
768	544.	0.	-542.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-552.2	552.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	IN	NONP 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
769	542.	0.	-540.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-550.0	550.0	0.00	
770	540.	0.	-538.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-547.8	547.8	0.00	

771	538.	0.	-535.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-545.6	545.6	0.00
772	535.	0.	-533.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-543.3	543.3	0.00
773	533.	0.	-531.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-541.1	541.1	0.00
774	531.	0.	-529.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-538.8	538.8	0.00
775	529.	0.	-527.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-536.6	536.6	0.00
776	527.	0.	-524.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-534.3	534.3	0.00
777	524.	0.	-522.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-532.0	532.0	0.00
778	522.	0.	-520.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-529.7	529.7	0.00
779	520.	0.	-519.	0.	0.	0.	0.	0.	0.	2.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-529.0	529.0	0.00
780	519.	0.	-517.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-526.6	526.6	0.00
781	517.	0.	-514.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-524.2	524.2	0.00
782	514.	0.	-512.	0.	0.	0.	0.	0.	0.	1.	0.	2.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-522.4	522.3	0.00
783	512.	0.	-510.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-6.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-519.8	519.8	0.00
784	510.	0.	-507.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-517.3	517.2	0.00
785	507.	0.	-505.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-514.8	514.8	0.00
786	505.	0.	-502.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-512.2	512.2	0.00
787	502.	0.	-500.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-509.6	509.6	0.00
788	500.	0.	-497.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-507.0	507.0	0.00
789	497.	0.	-495.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-504.4	504.4	0.00
790	495.	0.	-492.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-2.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-501.8	501.8	0.00
791	492.	0.	-490.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-1.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-499.2	499.2	0.00
792	490.	0.	-487.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-5.	-1.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-496.6	496.6	0.00
793	487.	0.	-484.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-494.0	494.0	0.00
794	484.	0.	-482.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-491.4	491.4	0.00
795	482.	0.	-479.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-488.7	488.7	0.00
796	479.	0.	-477.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-486.2	486.2	0.00
797	477.	0.	-474.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-483.5	483.5	0.00
798	474.	0.	-471.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-480.9	480.9	0.00
799	471.	0.	-469.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-478.2	478.2	0.00
800	469.	0.	-466.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-475.6	475.6	0.00
801	466.	0.	-464.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-472.9	472.9	0.00
802	464.	0.	-461.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-470.2	470.2	0.00
803	461.	0.	-458.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-467.5	467.5	0.00
804	458.	0.	-456.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-464.9	464.9	0.00
805	456.	0.	-453.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-462.2	462.2	0.00
806	453.	0.	-450.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-459.5	459.5	0.00
807	450.	0.	-448.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-456.8	456.8	0.00
808	448.	0.	-445.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-454.1	454.1	0.00
809	445.	0.	-442.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-451.3	451.3	0.00
810	442.	0.	-440.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-448.6	448.6	0.00
811	440.	0.	-437.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-445.9	445.9	0.00
812	437.	0.	-434.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-443.2	443.2	0.00
813	434.	0.	-431.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-440.4	440.4	0.00
814	431.	0.	-429.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-437.7	437.7	0.00
815	429.	0.	-426.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-434.9	434.9	0.00
816	426.	0.	-423.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-432.1	432.1	0.00
817	423.	0.	-420.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-429.4	429.4	0.00
818	420.	0.	-418.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-426.6	426.6	0.00
819	418.	0.	-415.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-423.8	423.8	0.00
820	415.	0.	-412.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-421.0	421.0	0.00

821	412.	0.	-409.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-418.2	418.2	0.00
822	409.	0.	-407.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-415.4	415.4	0.00
823	407.	0.	-404.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-412.6	412.6	0.00
824	404.	0.	-401.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-5.	-1.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-409.8	409.8	0.00
825	401.	0.	-398.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-5.	-1.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-406.9	406.9	0.00
826	398.	0.	-395.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-5.	-1.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-404.1	404.1	0.00
827	395.	0.	-393.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-5.	-1.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-401.2	401.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR DISP	UPMN DISP	UPTR DISP	LOWR IN	INCR OUT	INCR IN	NONP IN	NONP OUT	IN	WSLD DECA	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
828	393.	0.	-390.	0.	0.	0.	0.	0.	0.	0.	6.	-5.	-1.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-398.4	398.4	0.00			

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR DISP	UPMN DISP	UPTR DISP	LOWR IN	INCR OUT	INCR IN	NONP IN	NONP OUT	IN	WSLD DECA	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
879	1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-3.	-4.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-25.8	25.8	0.00			
880	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-7.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-26.6	26.6	0.00			
881	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-26.8	26.8	0.00			
882	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-26.8	26.8	0.00			
883	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-26.9	26.9	0.00			
884	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.0	27.0	0.00			
885	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.0	27.0	0.00			
886	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.1	27.1	0.00			
887	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.1	27.1	0.00			
888	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.2	27.2	0.00			
889	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.2	27.2	0.00			
890	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.3	27.3	0.00			
891	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.4	27.4	0.00			
892	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.4	27.4	0.00			
893	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.5	27.5	0.00			
894	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.5	27.5	0.00			
895	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-27.6	27.6	0.00			
896	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.6	27.6	0.00			
897	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.7	27.7	0.00			
898	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.8	27.8	0.00			
899	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.8	27.8	0.00			
900	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.9	27.9	0.00			
901	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-27.9	27.9	0.00			
902	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-28.0	28.0	0.00			
903	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-28.0	28.0	0.00			
904	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-28.1	28.1	0.00			
905	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-28.2	28.2	0.00			
906	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-28.2	28.2	0.00			
907	2.	0.	-4.	0.	0.	0.	0.	0.	0.	1.	0.	-6.	-2.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-29.6	29.6	0.00		
908	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.3	30.3	0.00		
909	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.5	30.5	0.00		
910	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.6	30.6	0.00		
911	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.7	30.7	0.00		
912	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.7	30.7	0.00		
913	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.8	30.8	0.00		
914	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-30.8	30.8	0.00		

915	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-30.9	30.9	0.00
916	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.0	31.0	0.00
917	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.0	31.0	0.00
918	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.1	31.1	0.00
919	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.1	31.1	0.00
920	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.2	31.2	0.00
921	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.2	31.2	0.00
922	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.3	31.3	0.00
923	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.4	31.4	0.00
924	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.4	31.4	0.00
925	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.5	31.5	0.00
926	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.5	31.5	0.00
927	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.6	31.6	0.00
928	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.7	31.7	0.00
929	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.7	31.7	0.00
930	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.8	31.8	0.00
931	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.8	31.8	0.00
932	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-31.9	31.9	0.00
933	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-31.9	31.9	0.00
934	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.0	32.0	0.00
935	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.1	32.1	0.00
936	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.1	32.1	0.00
937	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.2	32.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	INCR IN	INCR 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
938	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.2	32.2	0.00		
939	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.3	32.3	0.00		
940	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.4	32.4	0.00		
941	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.4	32.4	0.00		
942	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.5	32.5	0.00		
943	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.5	32.5	0.00		
944	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.6	32.6	0.00		
945	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.6	32.6	0.00		
946	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.7	32.7	0.00		
947	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.8	32.8	0.00		
948	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.8	32.8	0.00		
949	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.9	32.9	0.00		
950	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-32.9	32.9	0.00		
951	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.0	33.0	0.00		
952	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.1	33.1	0.00		
953	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.1	33.1	0.00		
954	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.2	33.2	0.00		
955	4.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.2	33.2	0.00		
956	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.3	33.3	0.00		
957	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.3	33.3	0.00		
958	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.4	33.4	0.00		
959	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.5	33.5	0.00		
960	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.5	33.5	0.00		
961	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	-13.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.6	33.6	0.00		

962	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	-13.	0.	0.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-33.6	33.6	0.00
1007	5.	2.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-12.	0.	0.	0.	24.	0.	0.	-30.2	30.2	0.00
1008	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-12.	0.	0.	0.	23.	0.	0.	-30.1	30.1	0.00
1009	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	0.	0.	0.	0.	-12.	0.	0.	0.	22.	0.	0.	-29.5	29.5	0.00
1010	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-12.	0.	0.	0.	22.	0.	0.	-28.9	28.9	0.00
1011	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-10.	0.	0.	0.	0.	-12.	0.	0.	0.	21.	0.	0.	-28.2	28.2	0.00
1012	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-9.	0.	0.	0.	0.	-12.	0.	0.	0.	21.	0.	0.	-27.5	27.5	0.00
1013	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-26.8	26.8	0.00
1014	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	0.	0.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-26.1	26.1	0.00
1015	7.	0.	-7.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	0.	0.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-25.4	25.4	0.00
1016	7.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	0.	0.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-24.7	24.7	0.00
1017	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	0.	0.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-24.0	24.0	0.00
1018	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	0.	0.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-23.4	23.4	0.00
1019	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	0.	0.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-22.7	22.7	0.00
1020	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	0.	0.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-22.0	22.0	0.00
1021	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	0.	0.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-21.3	21.3	0.00
1022	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	0.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-20.6	20.6	0.00
1023	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-19.9	19.9	0.00
1024	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-19.2	19.2	0.00
1025	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-18.5	18.5	0.00
1026	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-17.8	17.8	0.00
1027	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-17.2	17.2	0.00
1028	6.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-17.1	17.1	0.00
1029	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-17.0	17.0	0.00
1030	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-16.9	16.9	0.00
1031	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-12.	0.	0.	0.	9.	0.	0.	-16.8	16.8	0.00
1032	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-16.8	16.8	0.00
1033	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-16.7	16.7	0.00
1034	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-16.6	16.6	0.00
1035	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-16.5	16.5	0.00
1036	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	-12.	0.	0.	0.	6.	0.	0.	-16.4	16.4	0.00
1037	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-16.3	16.3	0.00
1038	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-16.2	16.2	0.00
1039	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-16.2	16.2	0.00
1040	5.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-16.1	16.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 6: Upper Grand River #1

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
1041	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	-12.	0.	0.	0.	3.	0.	0.	-16.0	16.0	0.00
1042	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-15.9	15.9	0.00
1043	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-15.8	15.8	0.00
1044	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-15.7	15.7	0.00
1045	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-15.6	15.6	0.00
1046	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	-12.	0.	0.	0.	0.	0.	0.	-15.6	15.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 7: Lower Flat River

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
963	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	14.	-3.	-1.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-15.4	15.4	0.00
964	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	11.	0.	-1.	0.	0.	-11.	0.	0.	0.	1.	0.	0.	-13.1	13.1	0.00
965	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	10.	0.	-1.	0.	0.	-11.	0.	0.	0.	1.	0.	0.	-12.9	12.9	0.00

966	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	-1.	0.	0.	-11.	0.	0.	0.	1.	0.	0.	-12.8	12.8	0.00
967	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	-1.	0.	0.	-11.	0.	0.	0.	2.	0.	0.	-12.9	12.9	0.00
968	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	-1.	0.	0.	-11.	0.	0.	0.	2.	0.	0.	-12.9	12.9	0.00
969	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	-1.	0.	0.	-11.	0.	0.	0.	2.	0.	0.	-12.9	12.9	0.00
970	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	-1.	0.	0.	-11.	0.	0.	0.	3.	0.	0.	-12.9	12.9	0.00
971	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	8.	0.	-1.	0.	0.	-11.	0.	0.	0.	3.	0.	0.	-12.9	12.9	0.00
972	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	8.	0.	-1.	0.	0.	-11.	0.	0.	0.	3.	0.	0.	-12.9	12.9	0.00
973	1.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	8.	0.	-1.	0.	0.	-11.	0.	0.	0.	4.	0.	0.	-12.9	12.9	0.00
974	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	-1.	0.	0.	-11.	0.	0.	0.	4.	0.	0.	-12.9	12.9	0.00
975	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	-1.	0.	0.	-11.	0.	0.	0.	5.	0.	0.	-13.0	13.0	0.00
976	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	-1.	0.	0.	-11.	0.	0.	0.	5.	0.	0.	-13.0	13.0	0.00
977	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	-1.	0.	0.	-11.	0.	0.	0.	5.	0.	0.	-13.0	13.0	0.00
978	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	-1.	0.	0.	-11.	0.	0.	0.	6.	0.	0.	-13.0	13.0	0.00
979	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	-1.	0.	0.	-11.	0.	0.	0.	6.	0.	0.	-13.0	13.0	0.00
980	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	-1.	0.	0.	-11.	0.	0.	0.	6.	0.	0.	-13.0	13.0	0.00
981	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	-1.	0.	0.	-11.	0.	0.	0.	7.	0.	0.	-13.1	13.1	0.00
982	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-11.	0.	0.	0.	7.	0.	0.	-13.1	13.1	0.00
983	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-11.	0.	0.	0.	7.	0.	0.	-13.1	13.1	0.00
984	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-11.	0.	0.	0.	8.	0.	0.	-13.1	13.1	0.00
985	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	-1.	0.	0.	-11.	0.	0.	0.	8.	0.	0.	-13.1	13.1	0.00
986	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	-1.	0.	0.	-11.	0.	0.	0.	8.	0.	0.	-13.1	13.1	0.00
987	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	-1.	0.	0.	-11.	0.	0.	0.	9.	0.	0.	-13.1	13.1	0.00
988	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	-1.	0.	0.	-11.	0.	0.	0.	9.	0.	0.	-13.2	13.2	0.00
989	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	-1.	0.	0.	-11.	0.	0.	0.	9.	0.	0.	-13.2	13.2	0.00
990	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	-1.	0.	0.	-11.	0.	0.	0.	10.	0.	0.	-13.2	13.2	0.00
991	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	-1.	0.	0.	-11.	0.	0.	0.	10.	0.	0.	-13.2	13.2	0.00
992	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	-1.	0.	0.	-11.	0.	0.	0.	10.	0.	0.	-13.2	13.2	0.00
993	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	-1.	0.	0.	-11.	0.	0.	0.	11.	0.	0.	-13.2	13.2	0.00
994	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	-11.	0.	0.	0.	11.	0.	0.	-13.3	13.3	0.00
995	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	-11.	0.	0.	0.	12.	0.	0.	-13.4	13.4	0.00
996	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	-11.	0.	0.	0.	12.	0.	0.	-13.8	13.8	0.00
997	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	-1.	0.	0.	-11.	0.	0.	0.	12.	0.	0.	-14.1	14.1	0.00
998	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	-1.	0.	0.	-11.	0.	0.	0.	13.	0.	0.	-14.5	14.5	0.00
999	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	-1.	0.	0.	-11.	0.	0.	0.	13.	0.	0.	-14.9	14.8	0.00
1000	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	-1.	0.	0.	-11.	0.	0.	0.	13.	0.	0.	-15.2	15.2	0.00
1001	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	-1.	0.	0.	-11.	0.	0.	0.	14.	0.	0.	-15.6	15.6	0.00
1002	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	-1.	0.	0.	-11.	0.	0.	0.	14.	0.	0.	-15.9	15.9	0.00
1003	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	-1.	0.	0.	-11.	0.	0.	0.	14.	0.	0.	-16.3	16.3	0.00
1004	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	0.	-1.	0.	0.	-11.	0.	0.	0.	15.	0.	0.	-16.7	16.7	0.00
1005	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	0.	-1.	0.	0.	-11.	0.	0.	0.	15.	0.	0.	-17.0	17.0	0.00
1006	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	0.	-1.	0.	0.	-11.	0.	0.	0.	15.	0.	0.	-17.4	17.4	0.00

LA-QUAL Model for Upper Terrebonne
TMDL Simulation for Upper Terrebonne 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	8.314	5153.5	698.1	0.0	290.1	19.6	1213.2	0.0	0.0	0.0
INCREMENTAL INFLOW	0.012	5.2	8.2	0.0	0.8	0.0	0.1	0.0	0.0	0.0
INCREMENTAL OUTFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WASTELOADS	1.829	932.3	2460.4	0.0	174.1	257.0	344.0	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	-10.155	-4526.7	-365.4	0.0	-467.5	-29.1	-1578.7	0.0	0.0	0.0

DISPERSION THRU LOWER BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	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	1181.0	0.0	146.2					0.0
NATURAL REAERATION		4673.7								
DAM REAERATION		0.0								
BACKGROUND SOD		-7958.9								
BOD#1 DECAY		-3982.2	-3982.2							
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			-143.7	143.7				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-1696.3				-391.7	391.7			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		7397.1				0.0	-369.9	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	10.155	18161.8	4347.6	0.0	611.2	420.3	1949.1	0.0	0.0	0.0
TOTAL OUTPUTS	-10.155	-18164.1	-4347.6	0.0	-611.2	-420.8	-1948.5	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-2.3	0.0	0.0	0.0	-0.5	0.5	0.0	0.0	0.0

.....EXECUTION COMPLETED

APPENDIX I:
PLOTS OF WATER QUALITY FOR BASELINE CONDITIONS

Figure I-1. Ammonia baseline results for subsegment 120102 1
Figure I-2. BOD_u baseline results for subsegment 120102..... 1
Figure I-3. DO baseline results for subsegment 120102..... 2
Figure I-4. Ammonia baseline results for subsegment 120103 2
Figure I-5. BOD_u baseline results for subsegment 120103..... 3
Figure I-6. DO baseline results for subsegment 120103..... 3
Figure I-7. Ammonia baseline results for subsegment 120105 4
Figure I-8. BOD_u baseline results for subsegment 120105..... 4
Figure I-9. DO baseline results for subsegment 120105..... 5
Figure I-10. Ammonia baseline results for subsegment 120106 5
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Figure I-20. BOD_u baseline results for subsegment 120110..... 10
Figure I-21. DO baseline results for subsegment 120110..... 11

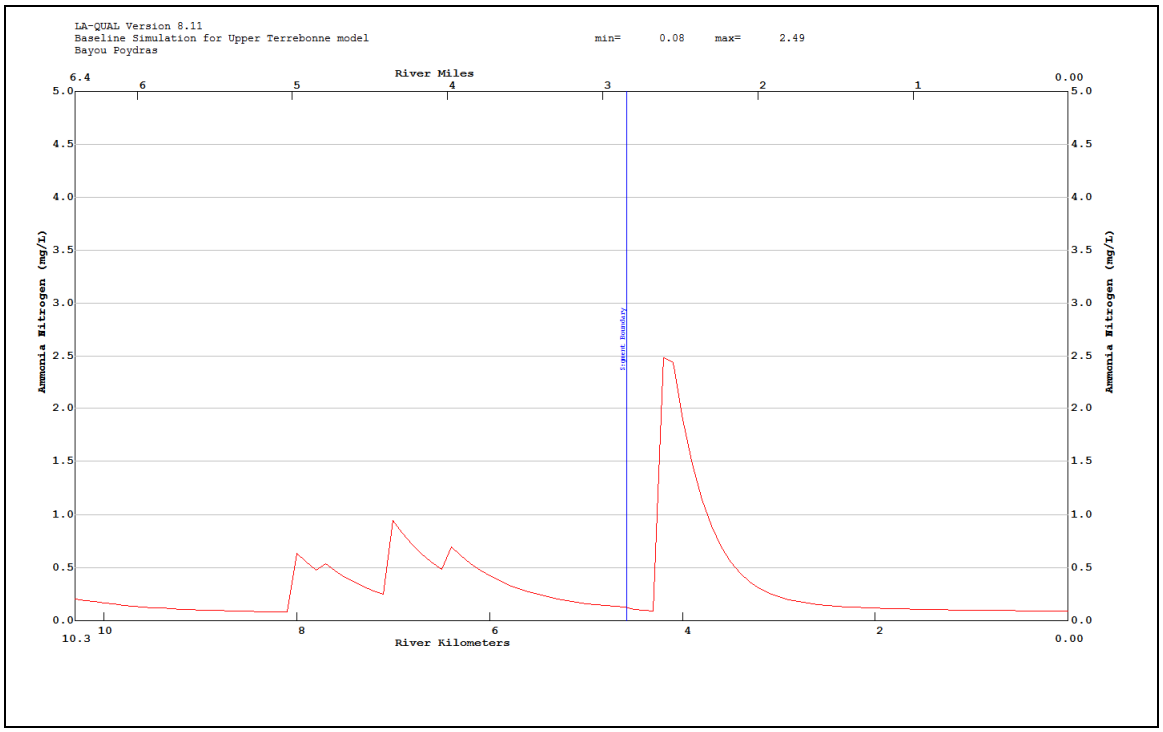

Figure I-1. Ammonia baseline results for subsegment 120102

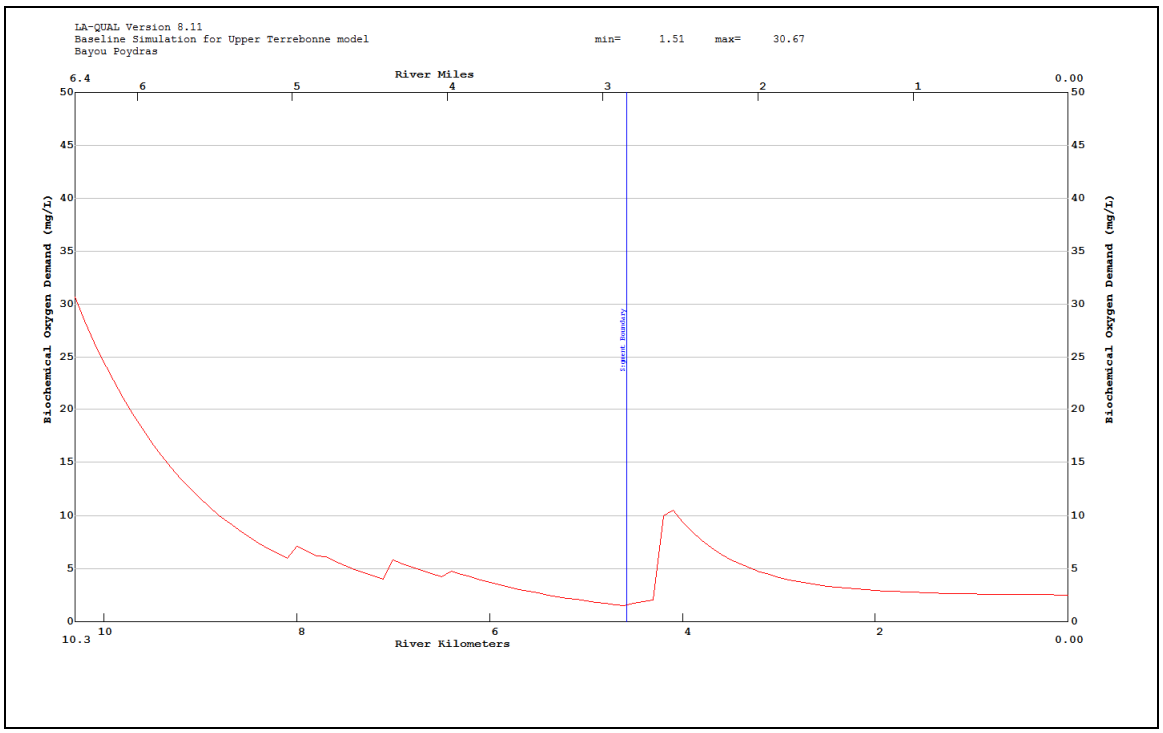

Figure I-2. BOD_u baseline results for subsegment 120102

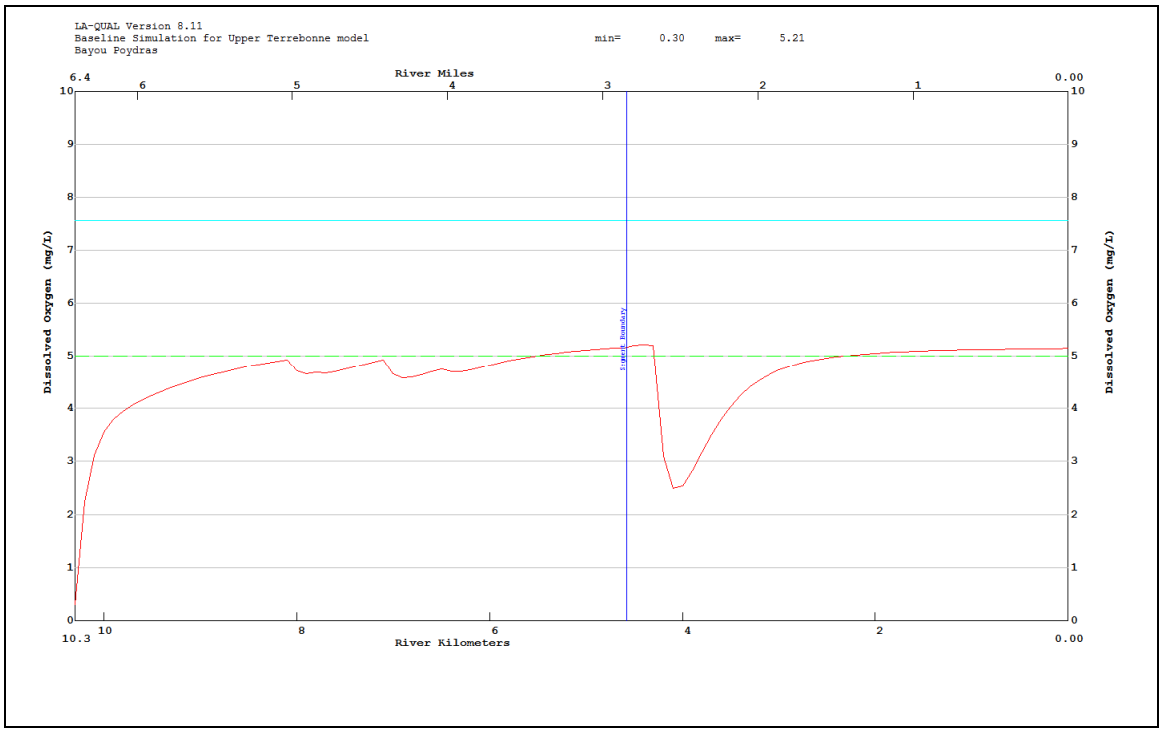

Figure I-3. DO baseline results for subsegment 120102

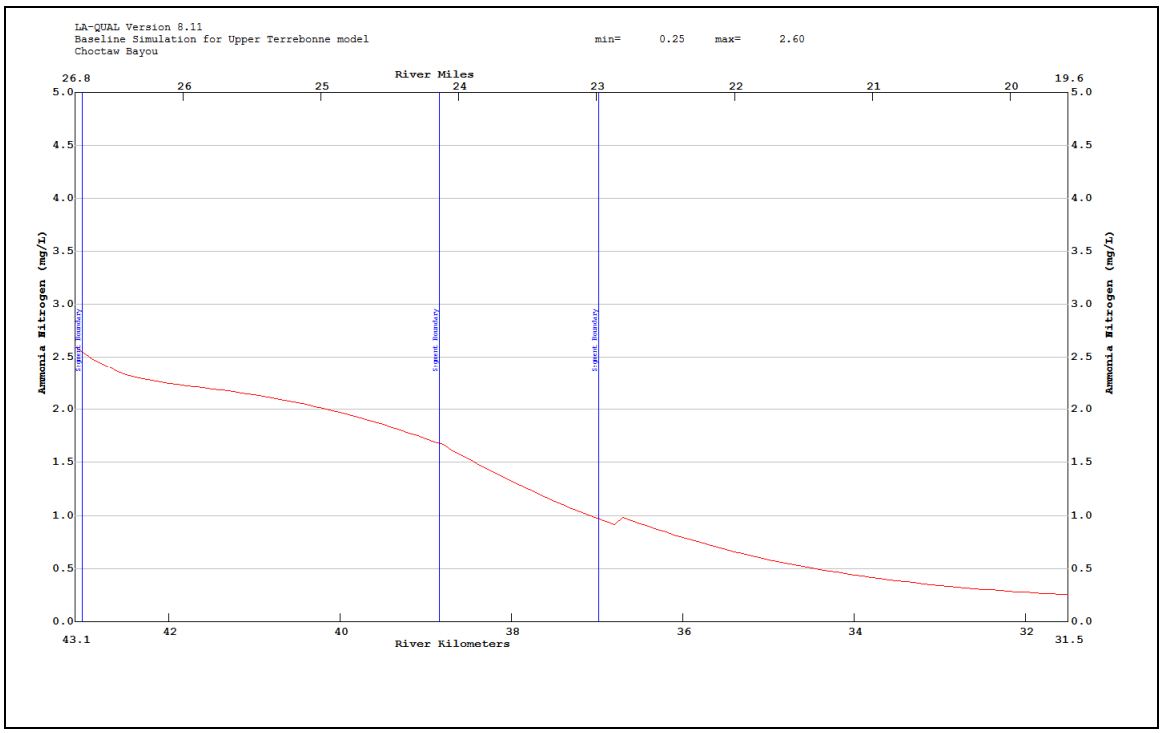

Figure I-4. Ammonia baseline results for subsegment 120103

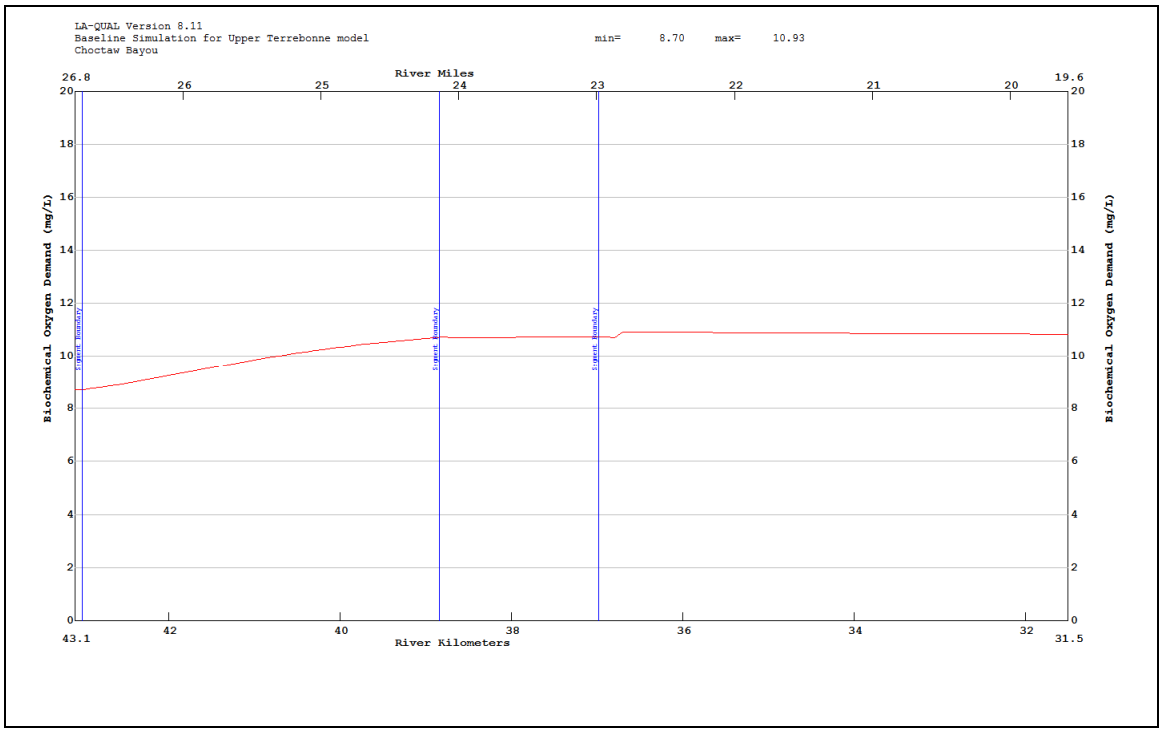

Figure I-5. BOD_u baseline results for subsegment 120103

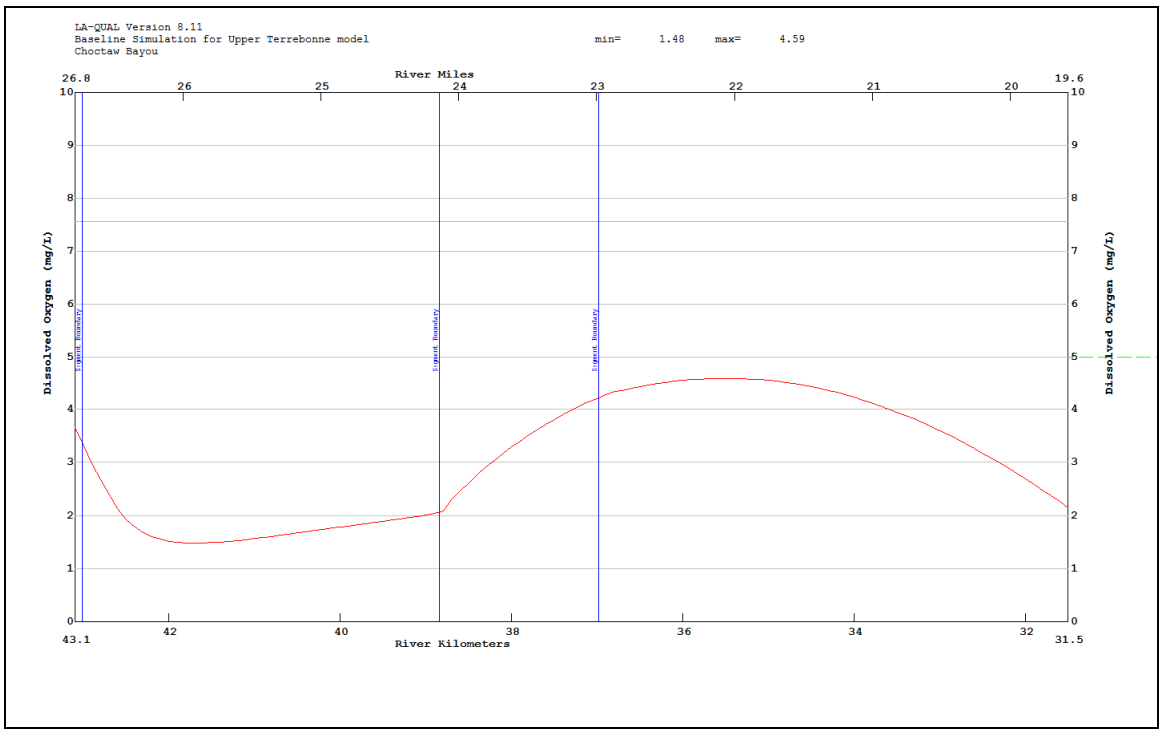

Figure I-6. DO baseline results for subsegment 120103

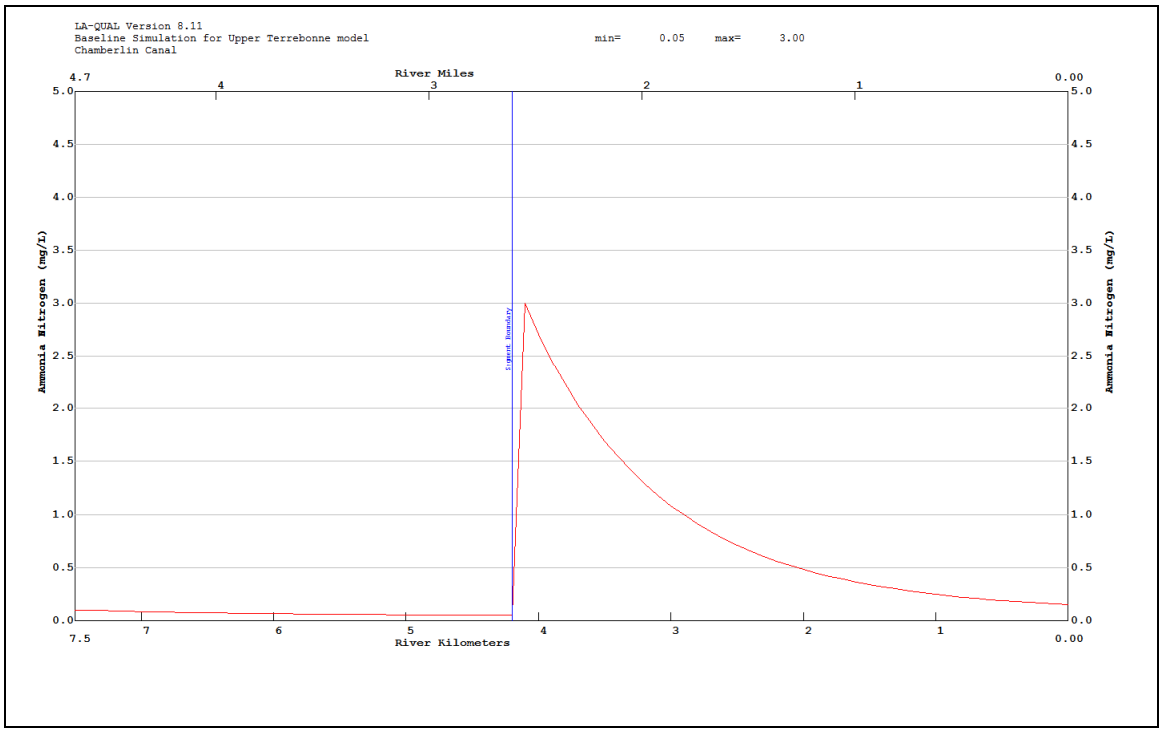

Figure I-7. Ammonia baseline results for subsegment 120105

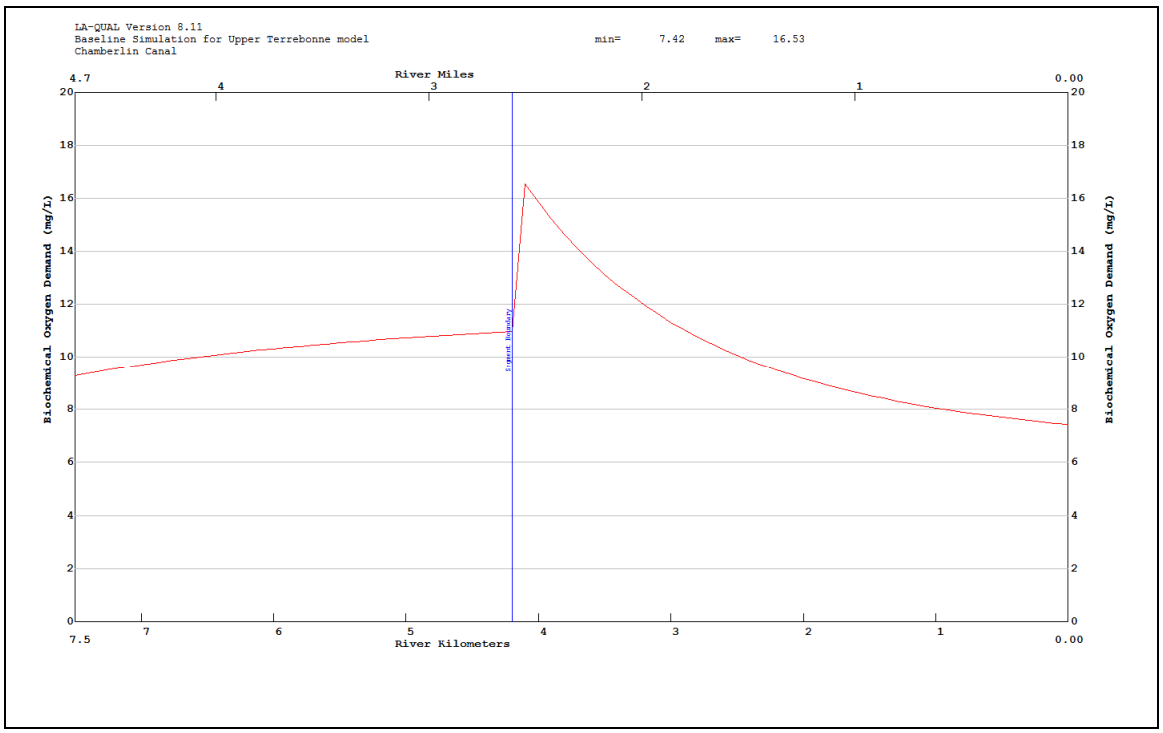

Figure I-8. BOD_u baseline results for subsegment 120105

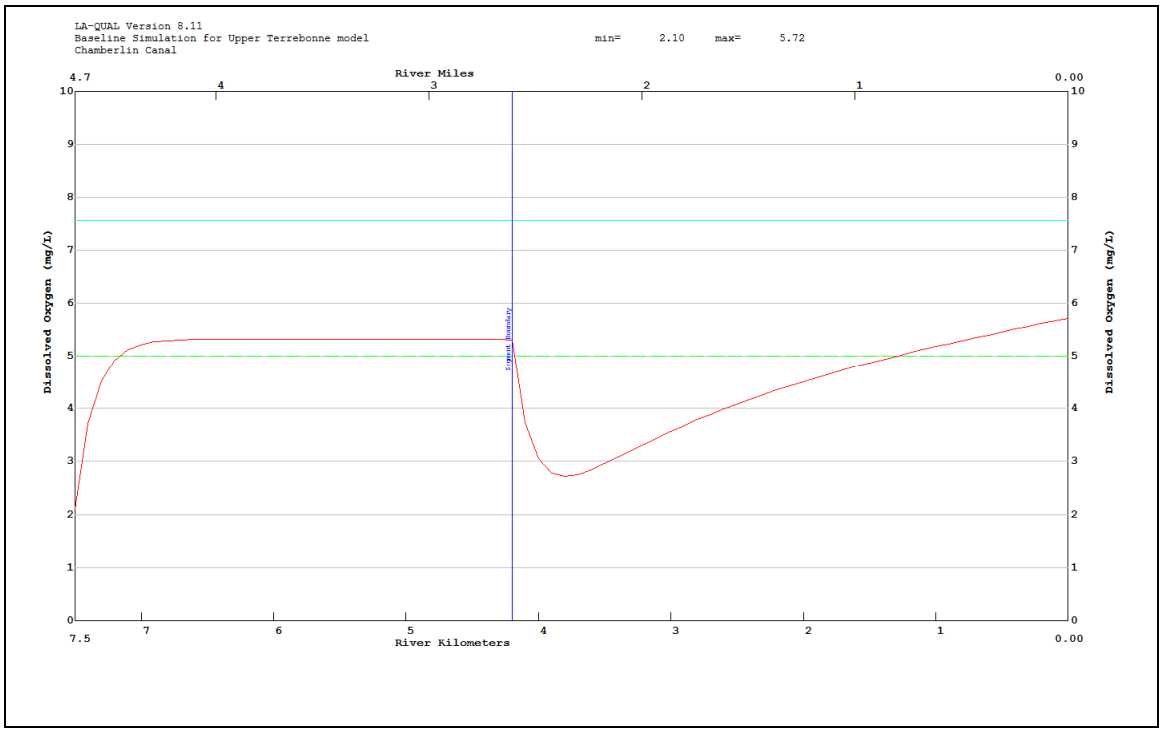

Figure I-9. DO baseline results for subsegment 120105

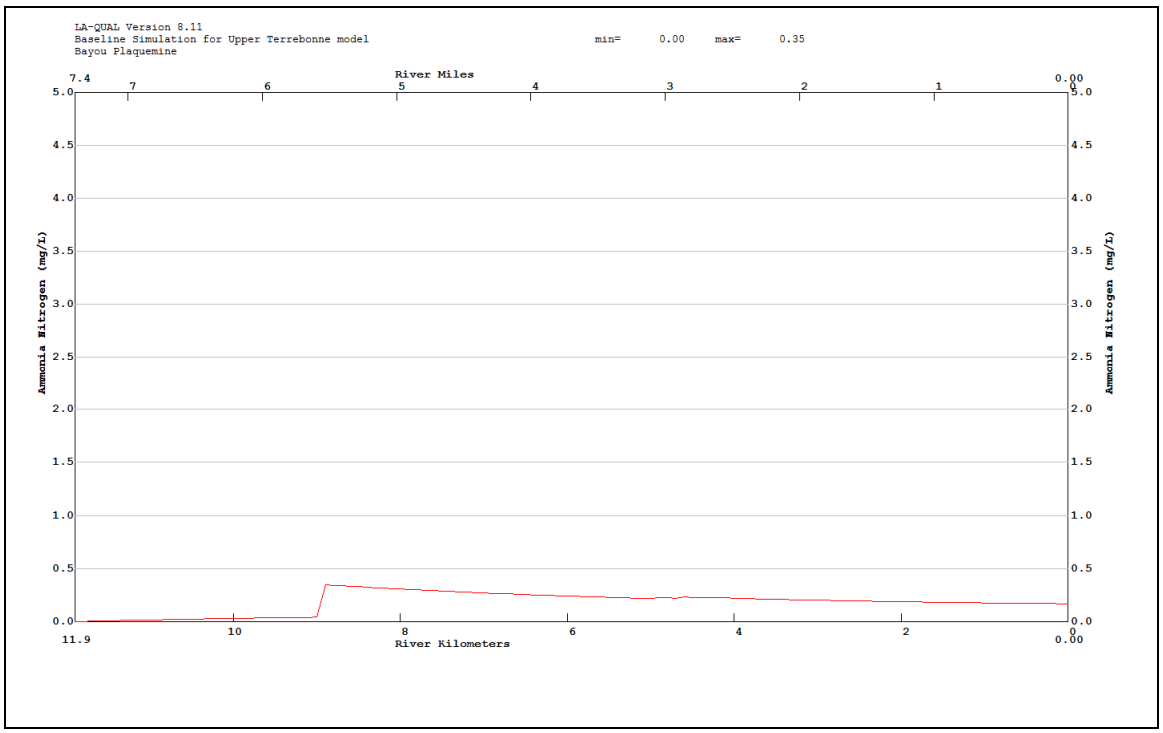

Figure I-10. Ammonia baseline results for subsegment 120106

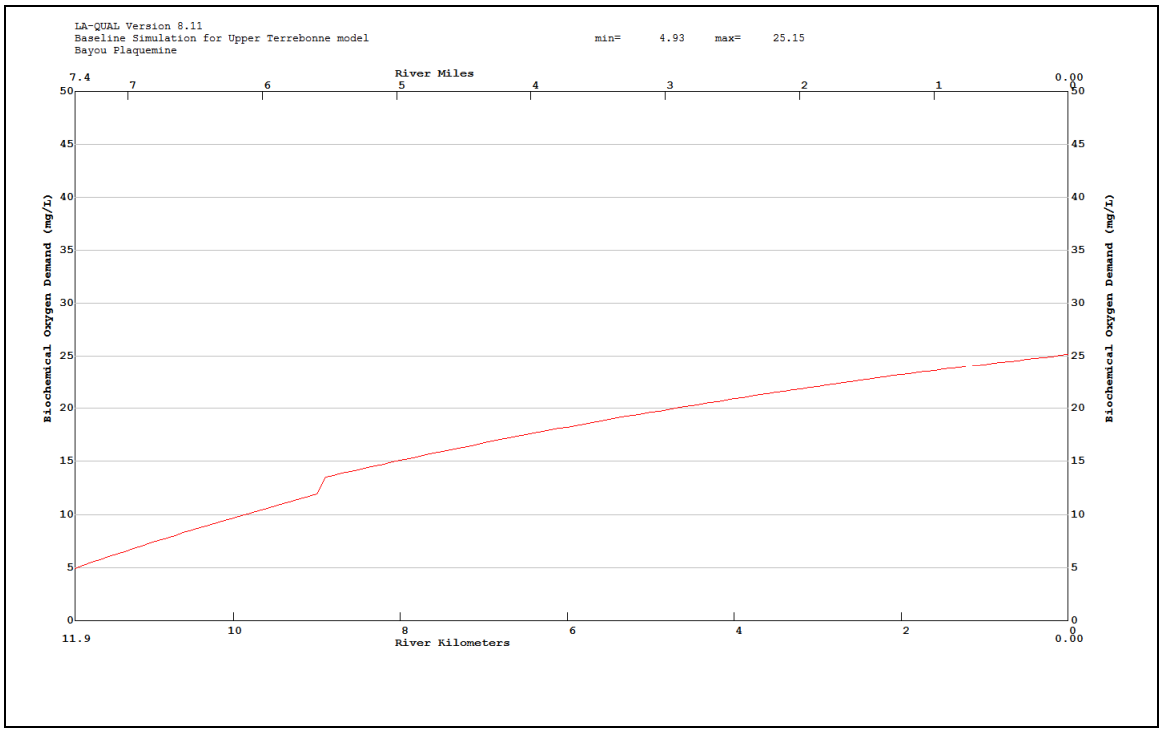

Figure I-11. BOD_u baseline results for subsegment 120106

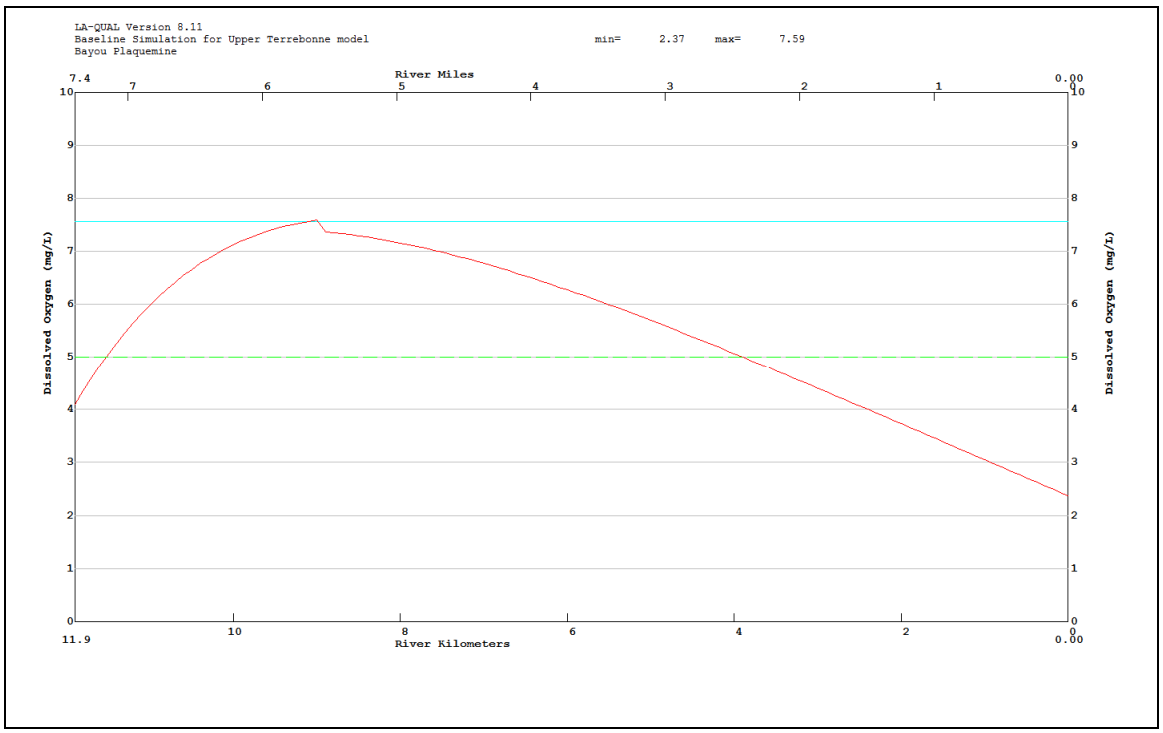

Figure I-12. DO baseline results for subsegment 120106

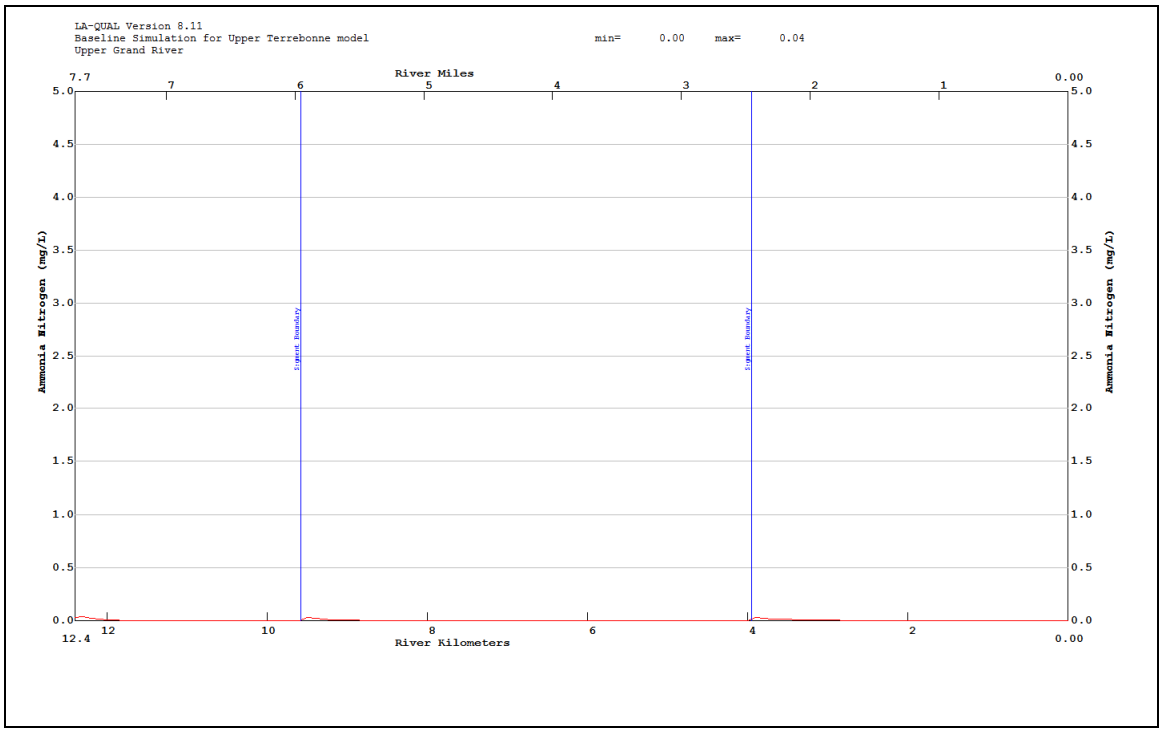

Figure I-13. Ammonia baseline results for subsegment 120107

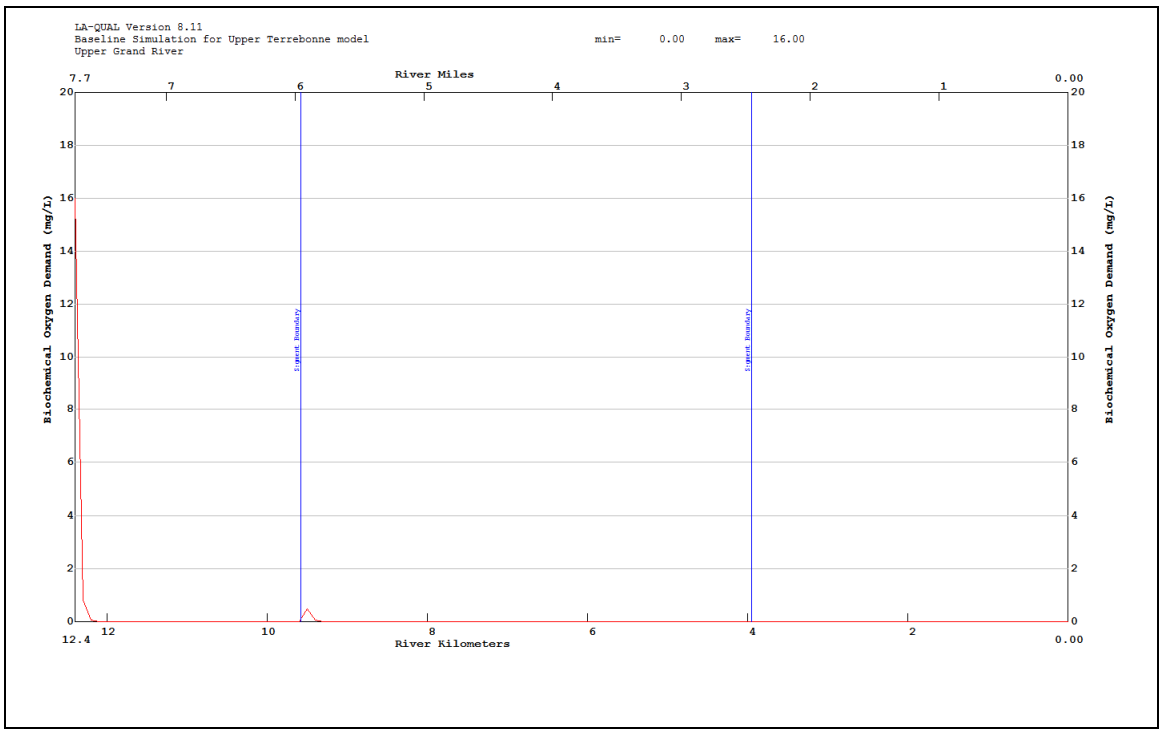

Figure I-14. BOD_u baseline results for subsegment 120107

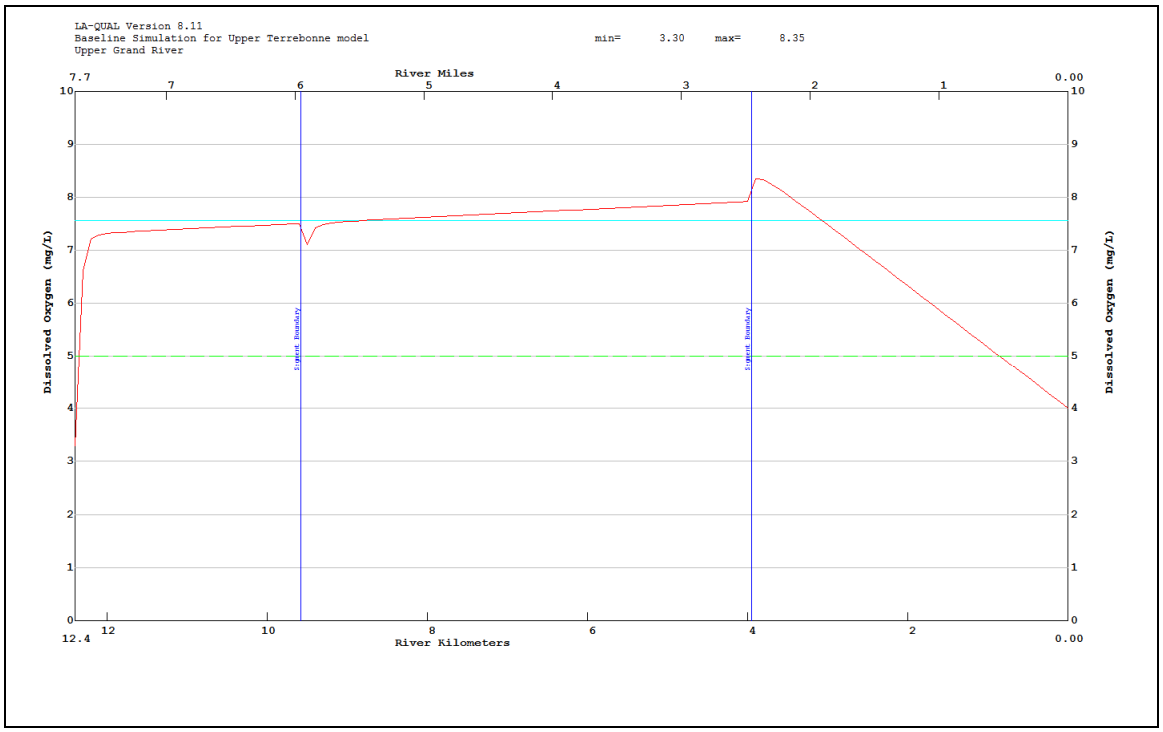

Figure I-15. DO baseline results for subsegment 120107

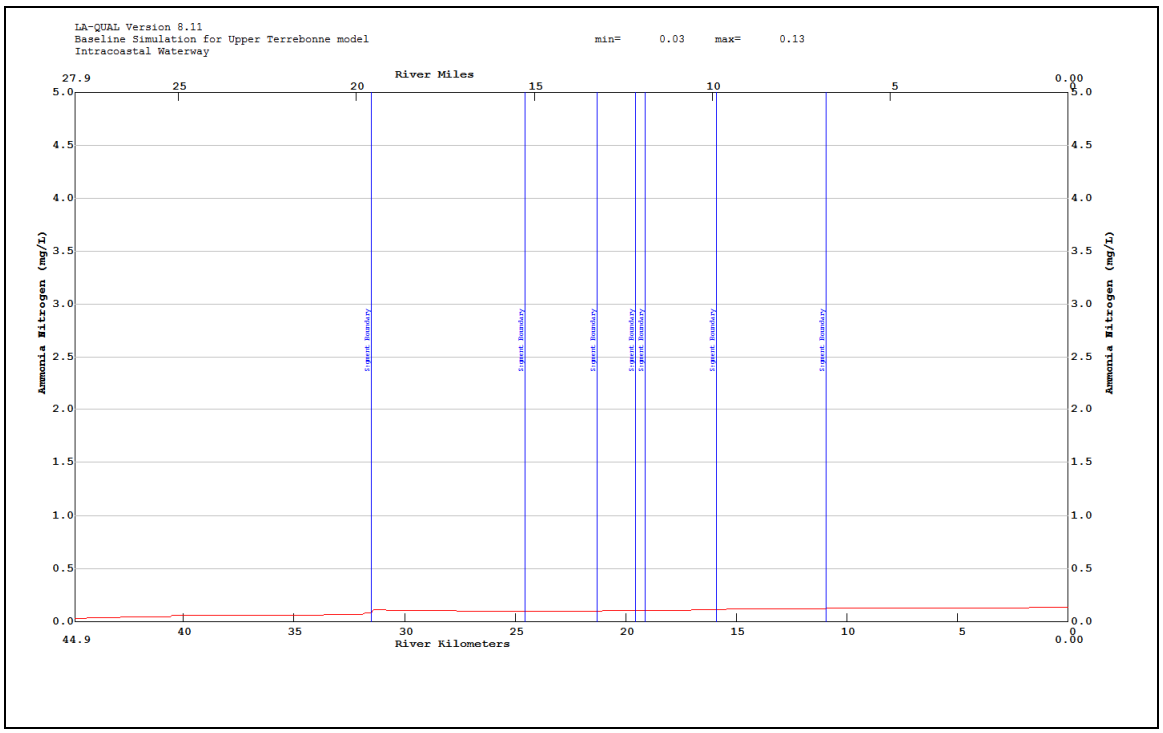

Figure I-16. Ammonia baseline results for subsegment 120109

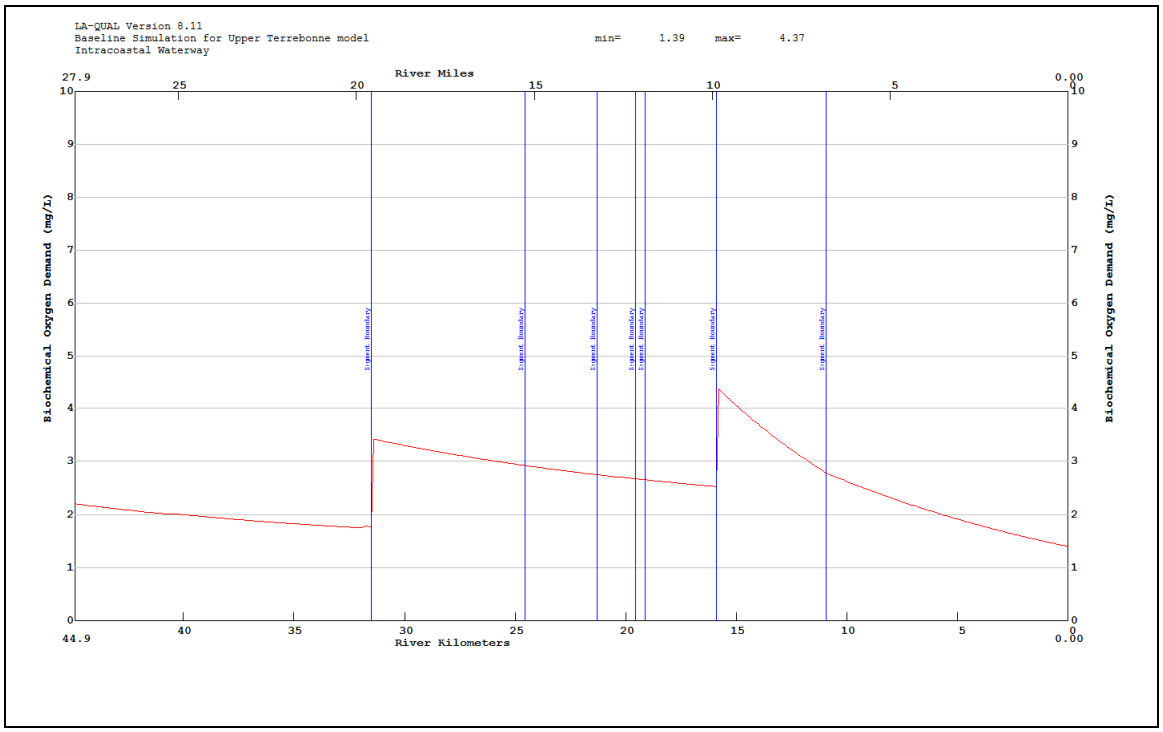

Figure I-17. BOD_u baseline results for subsegment 120109

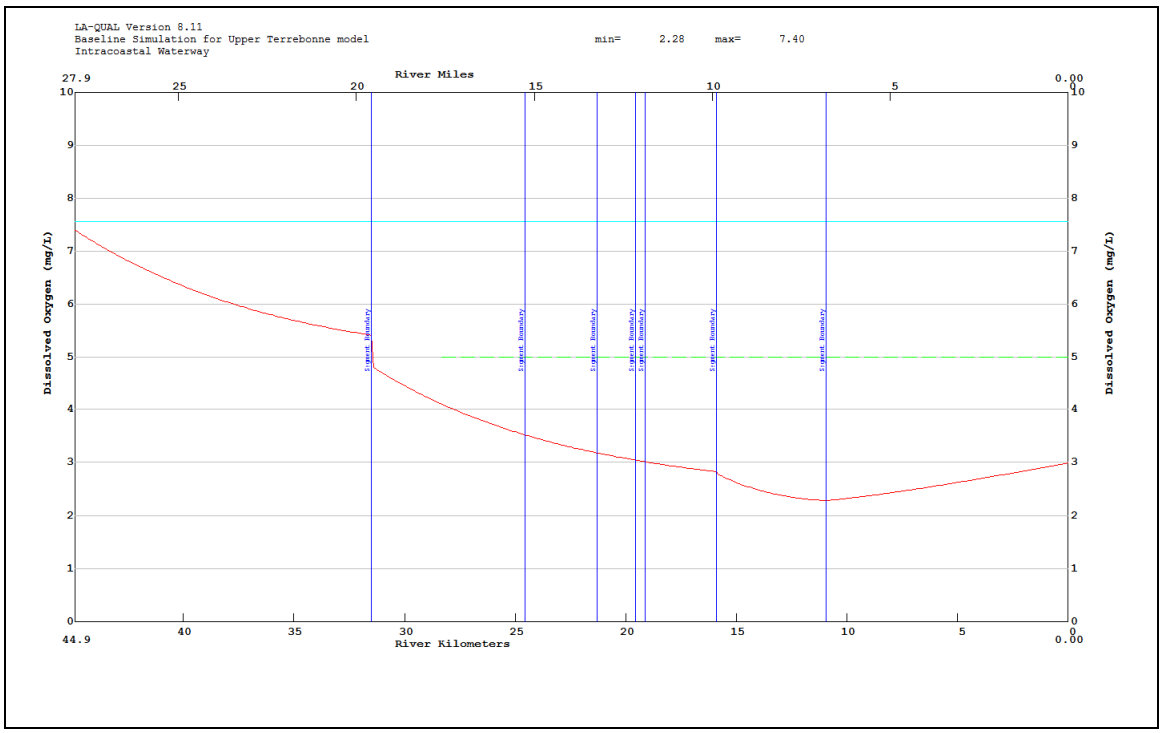

Figure I-18. DO baseline results for subsegment 120109

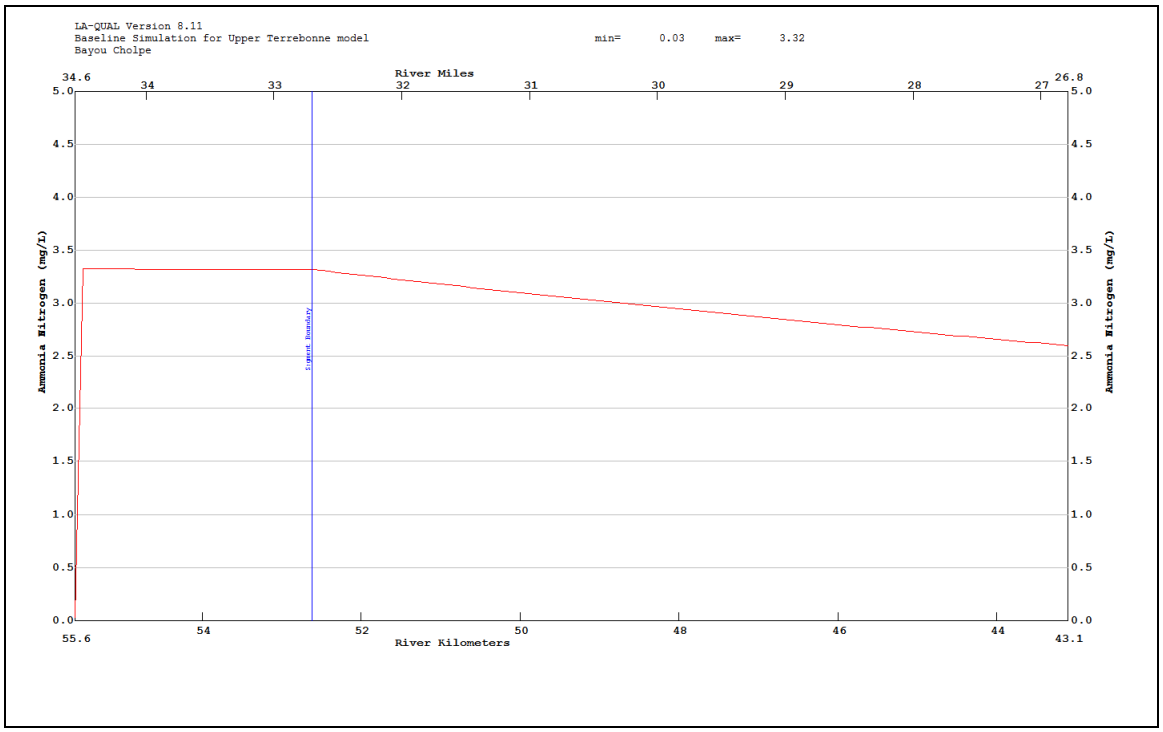

Figure I-19. Ammonia baseline results for subsegment 120110

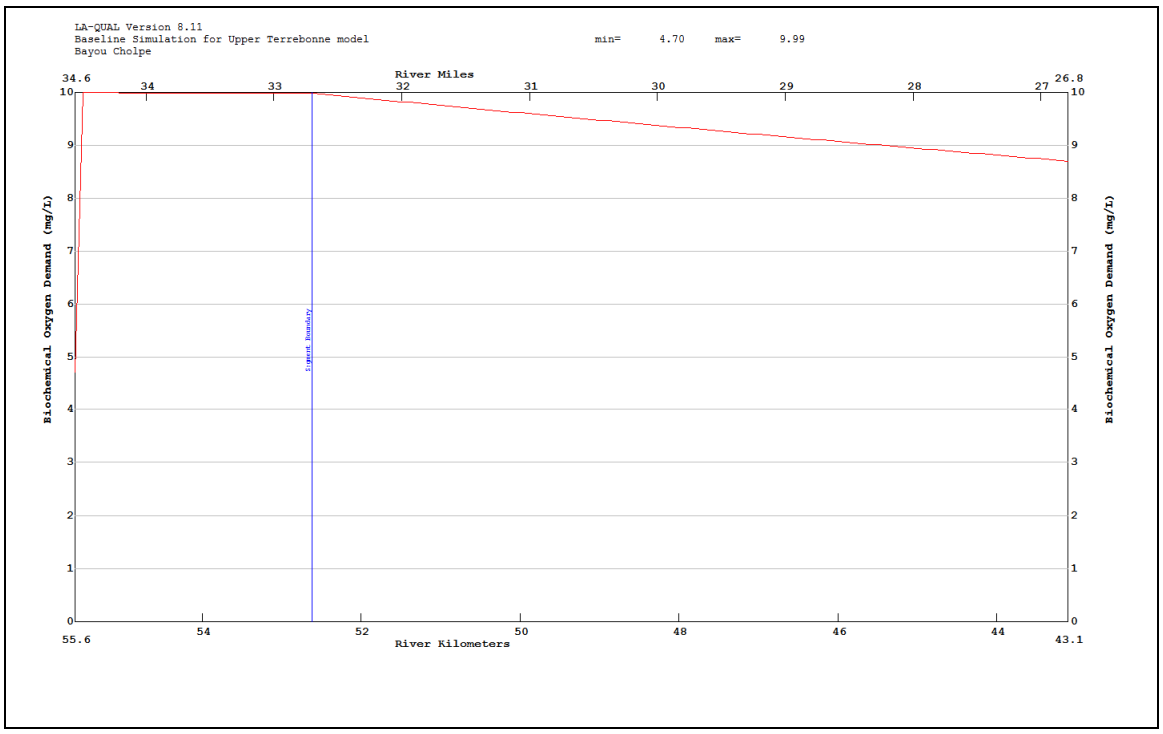

Figure I-20. BOD_u baseline results for subsegment 120110

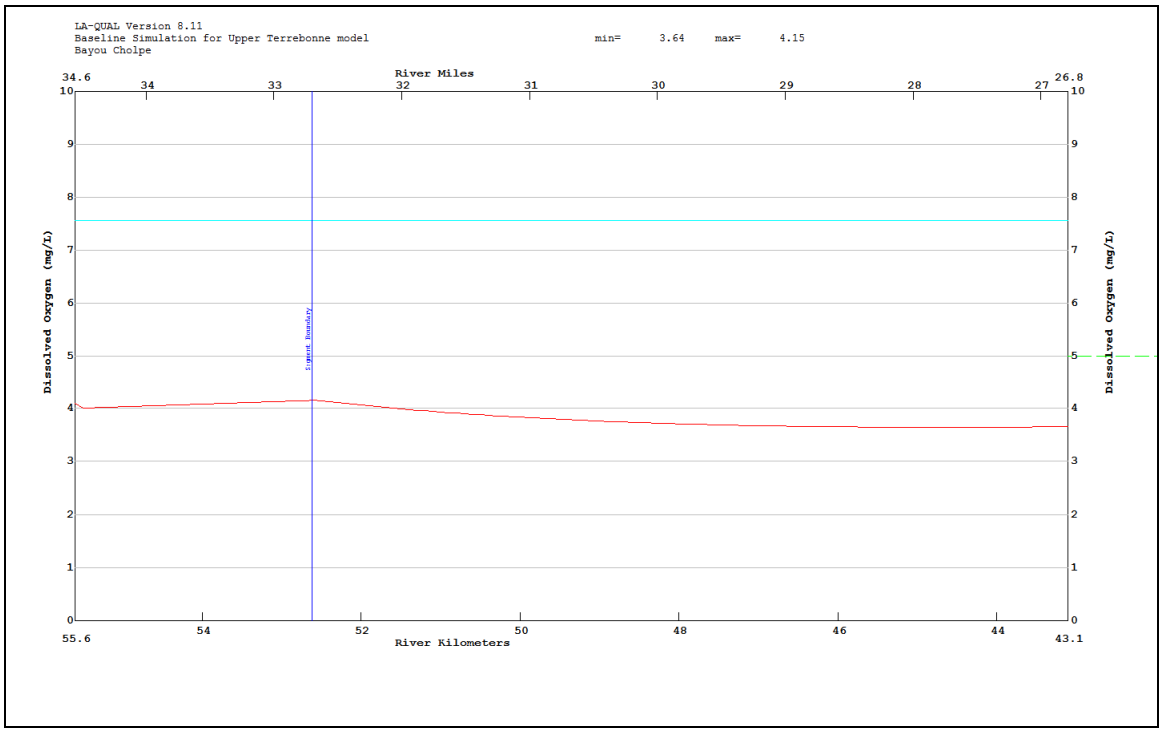

Figure I-21. DO baseline results for subsegment 120110

APPENDIX J:
PLOTS OF PREDICTED WATER QUALITY FOR TMDL

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Figure J-28. DO TMDL results for subsegment 120110 14

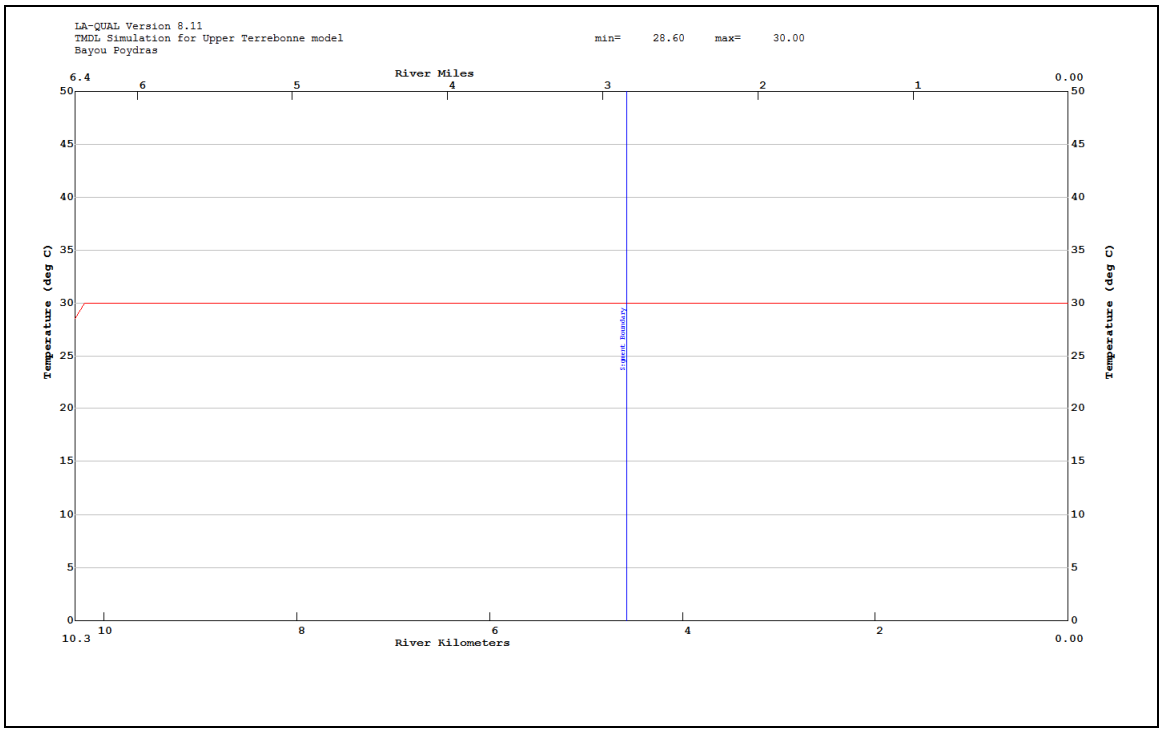

Figure J-1. Temperature TMDL results for subsegment 120102

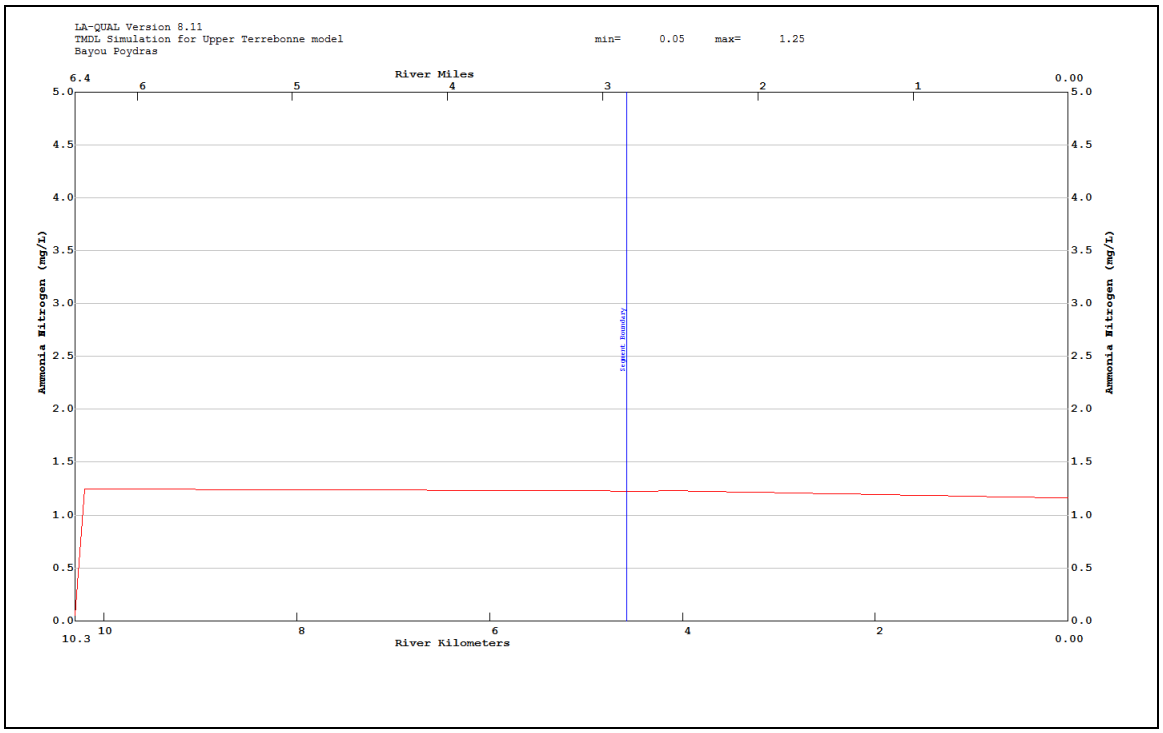

Figure J-2. Ammonia TMDL results for subsegment 120102

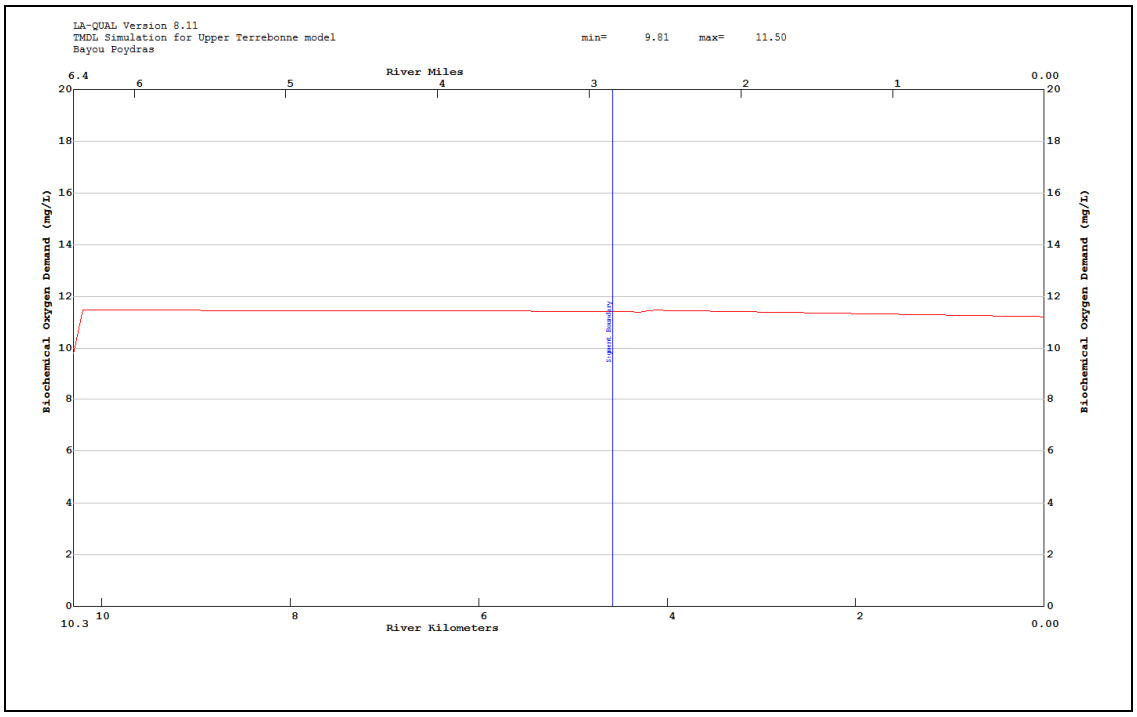

Figure J-3. BOD_u TMDL results for subsegment 120102

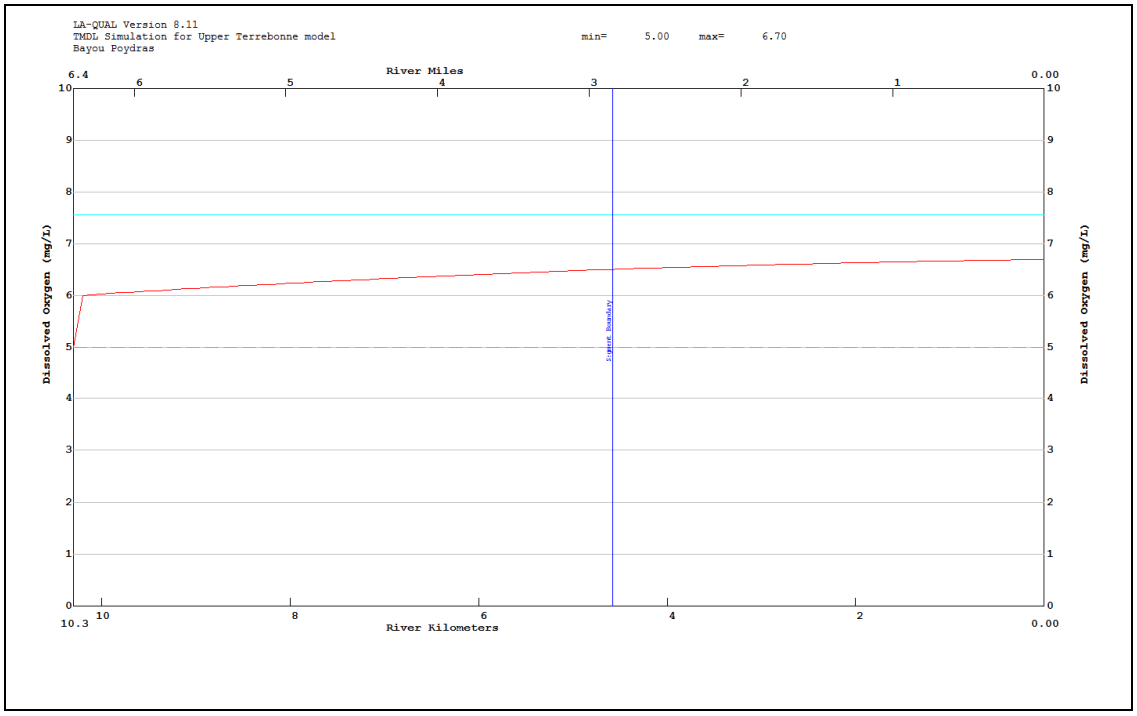

Figure J-4. DO TMDL results for subsegment 120102

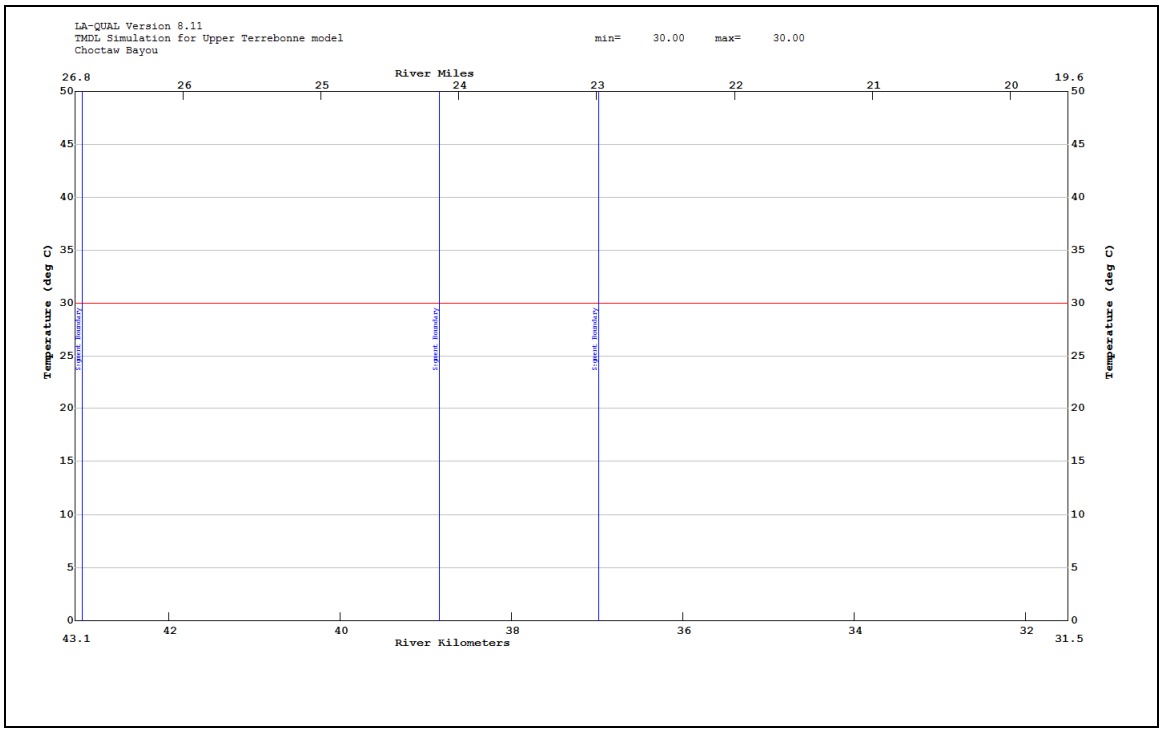

Figure J-5. Temperature TMDL results for subsegment 120103

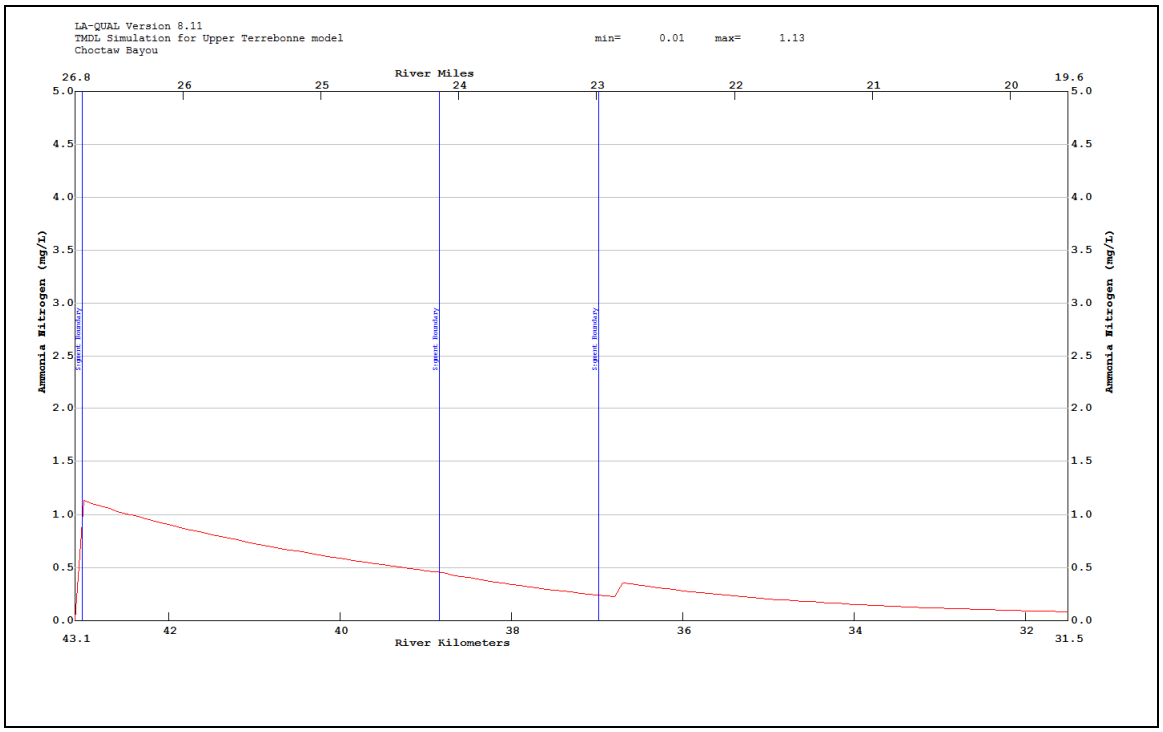

Figure J-6. Ammonia TMDL results for subsegment 120103

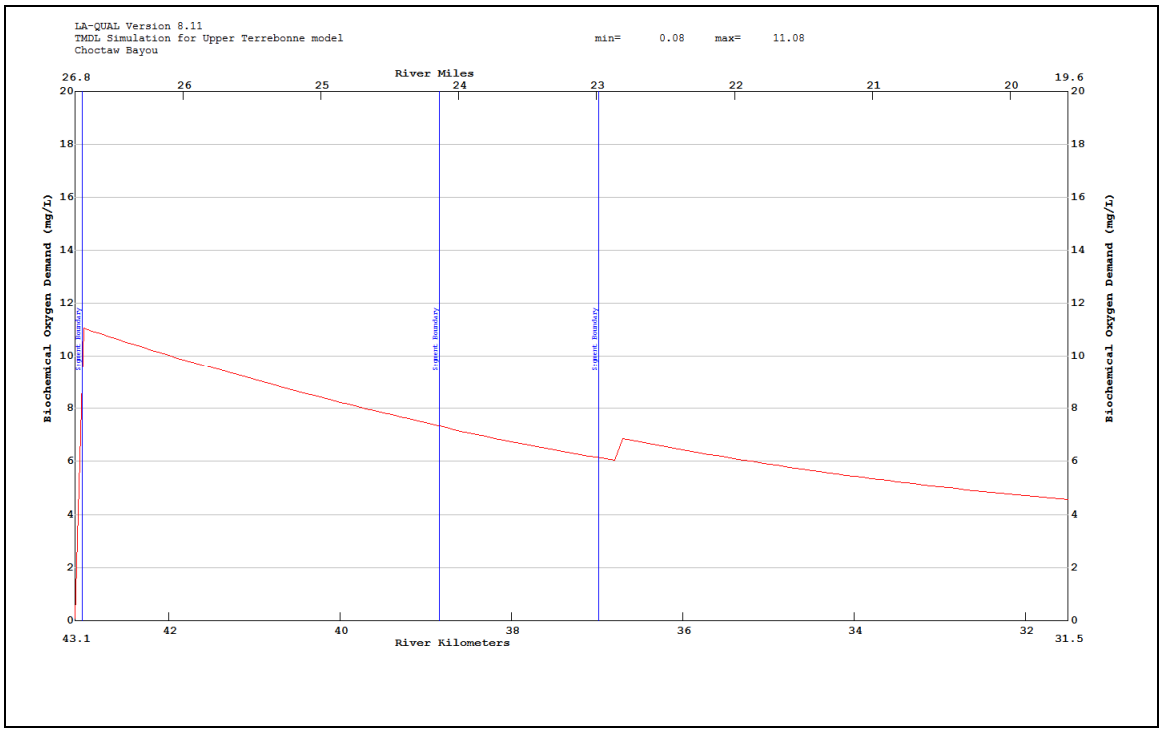

Figure J-7. BOD_u TMDL results for subsegment 120103

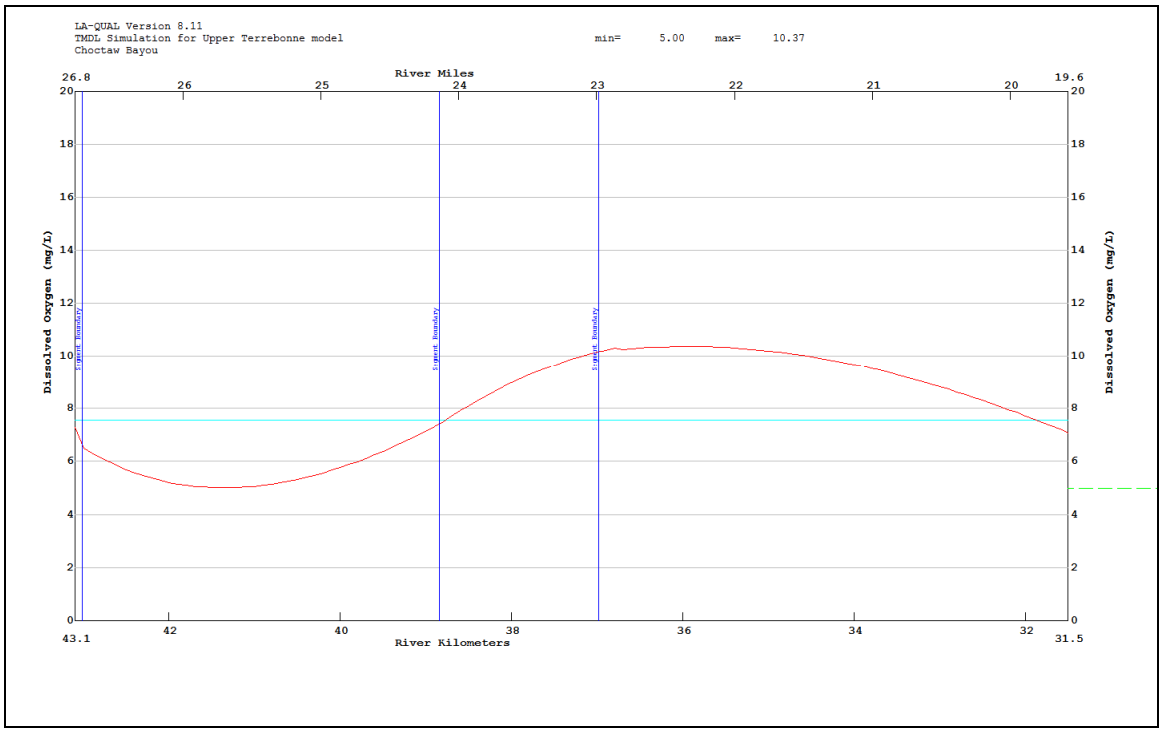

Figure J-8. DO TMDL results for subsegment 120103

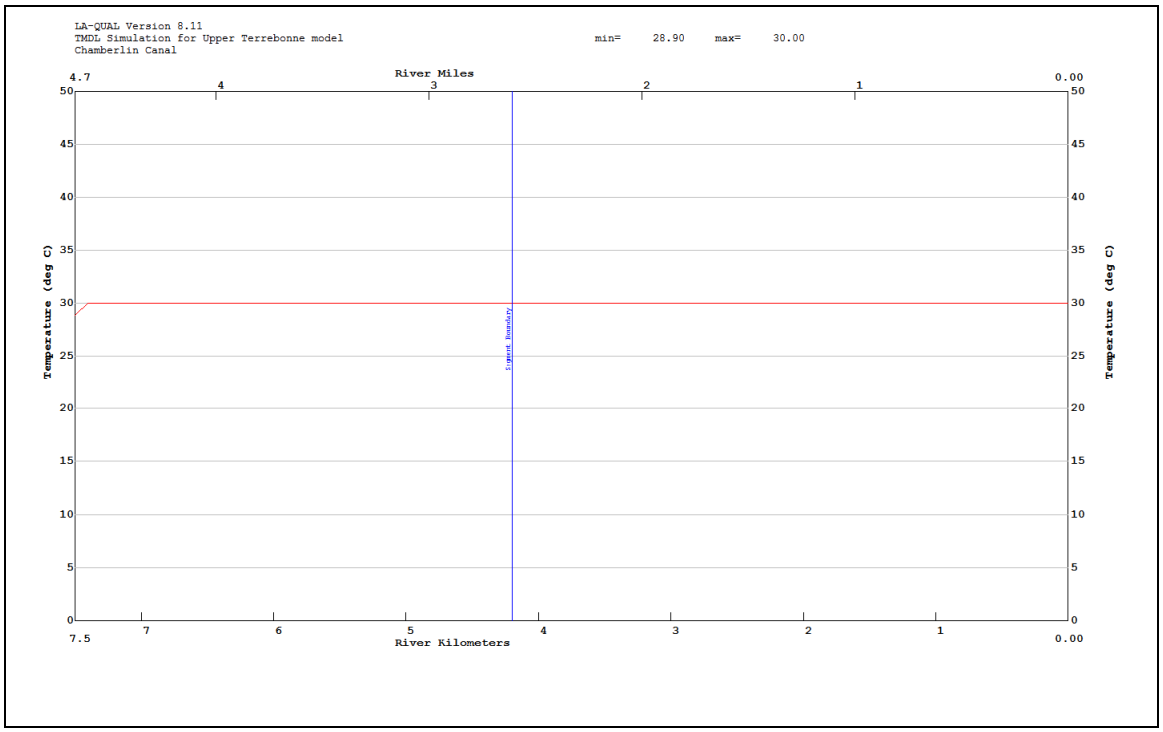

Figure J-9. Temperature TMDL results for subsegment 120105

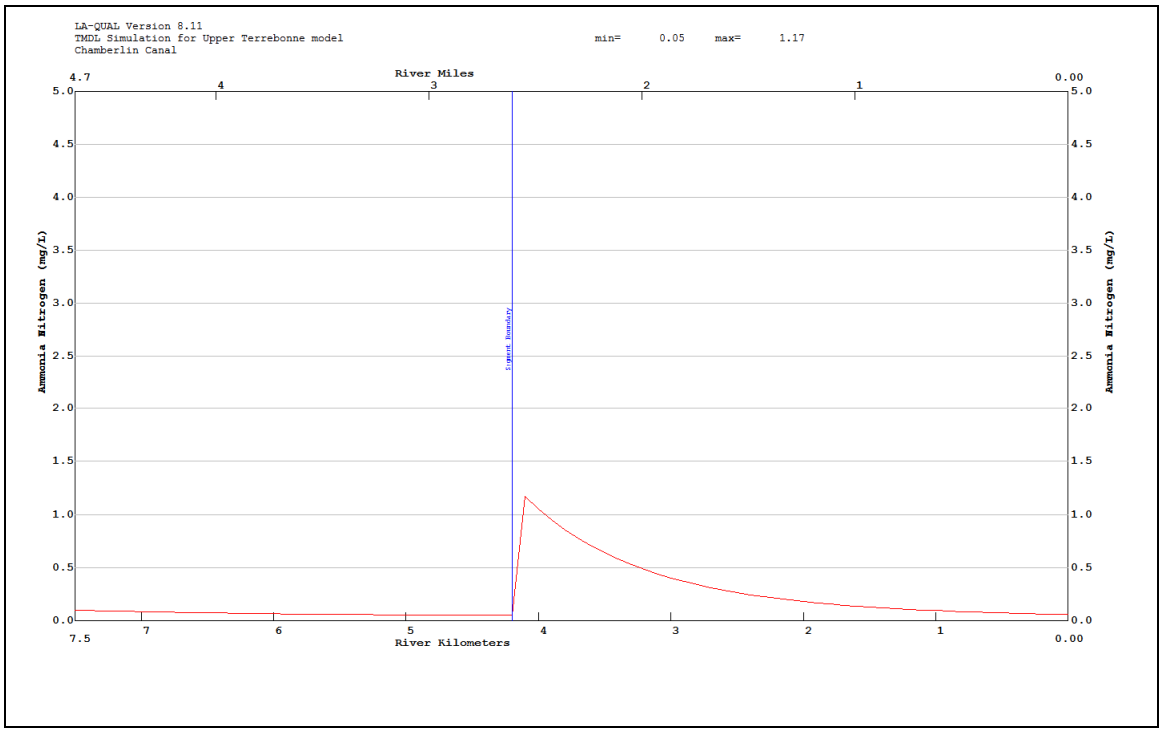

Figure J-10. Ammonia TMDL results for subsegment 120105

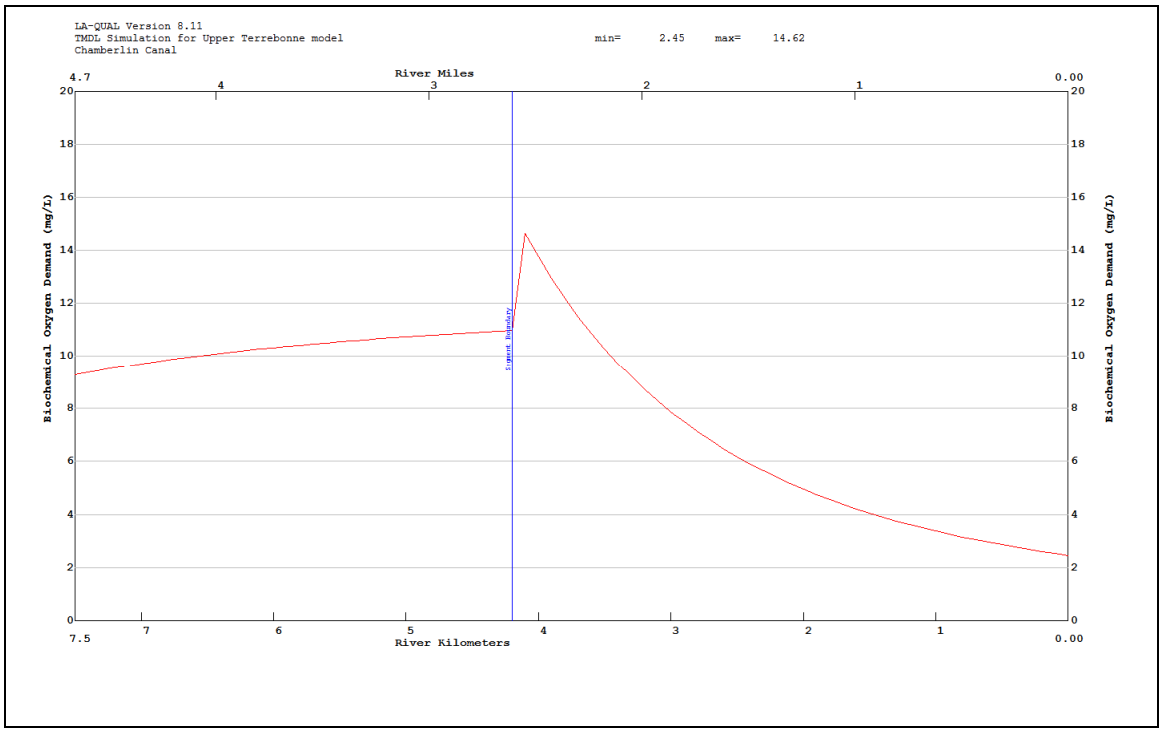

Figure J-11. BOD_u TMDL results for subsegment 120105

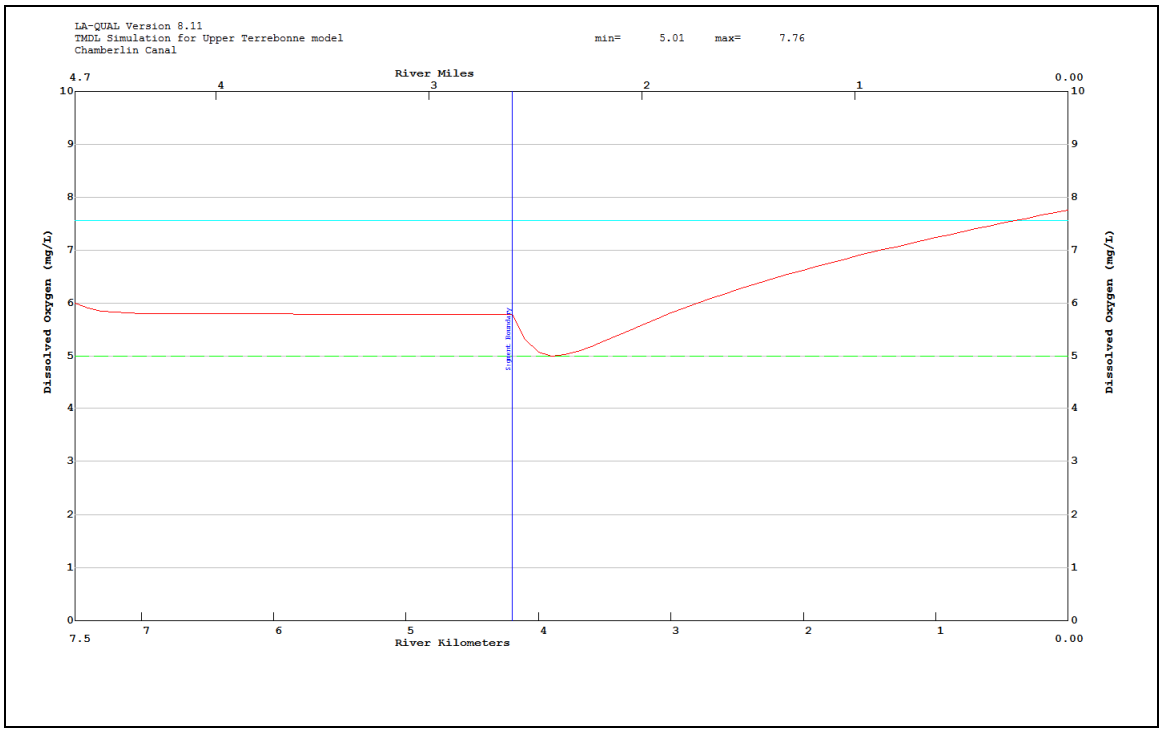

Figure J-12. DO TMDL results for subsegment 120105

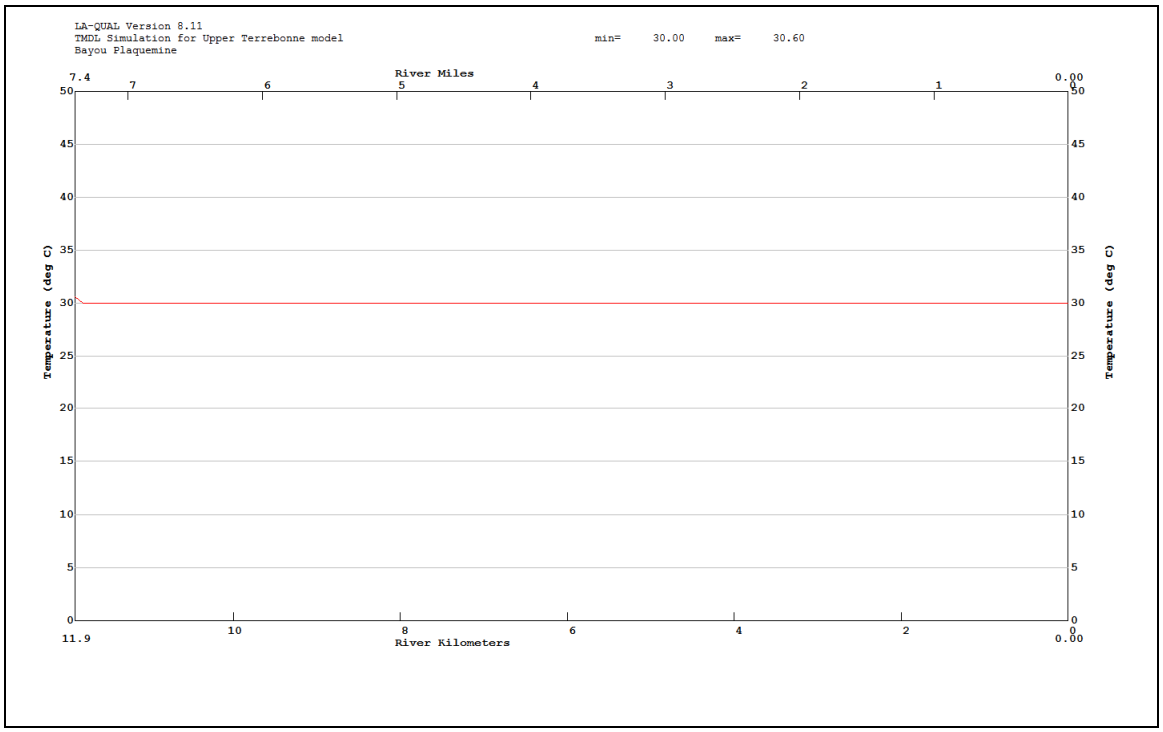

Figure J-13. Temperature TMDL results for subsegment 120106

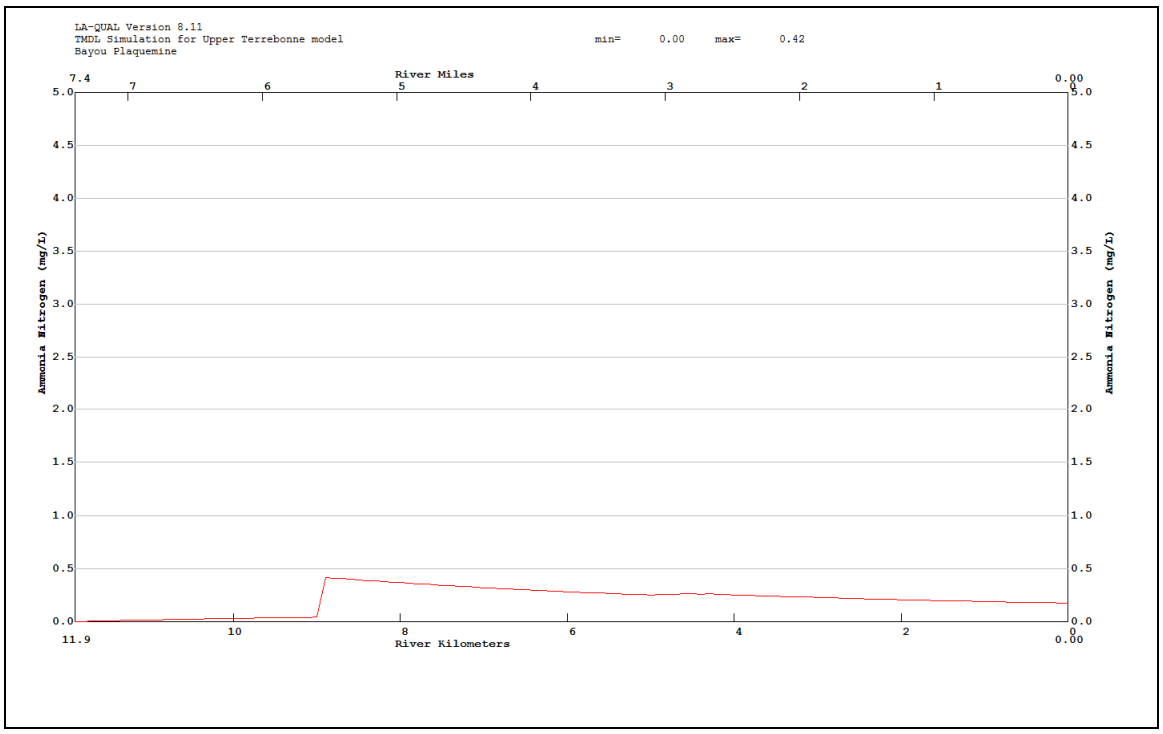

Figure J-14. Ammonia TMDL results for subsegment 120106

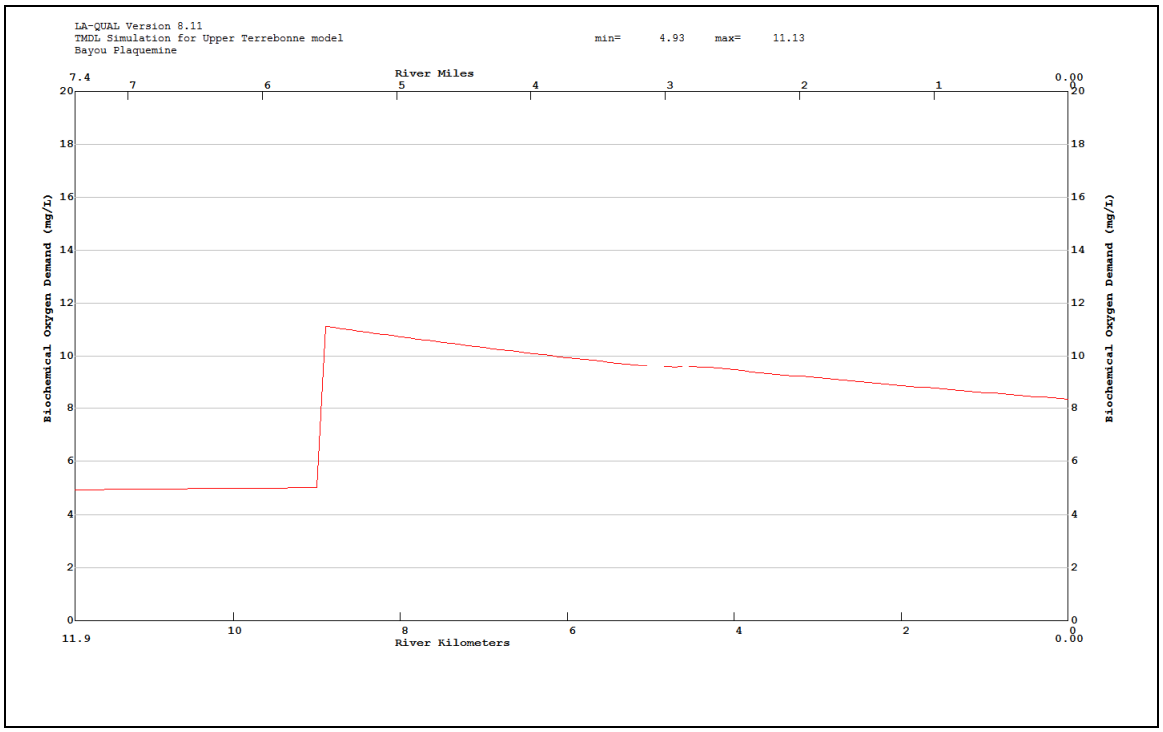

Figure J-15. BOD_u TMDL results for subsegment 120106

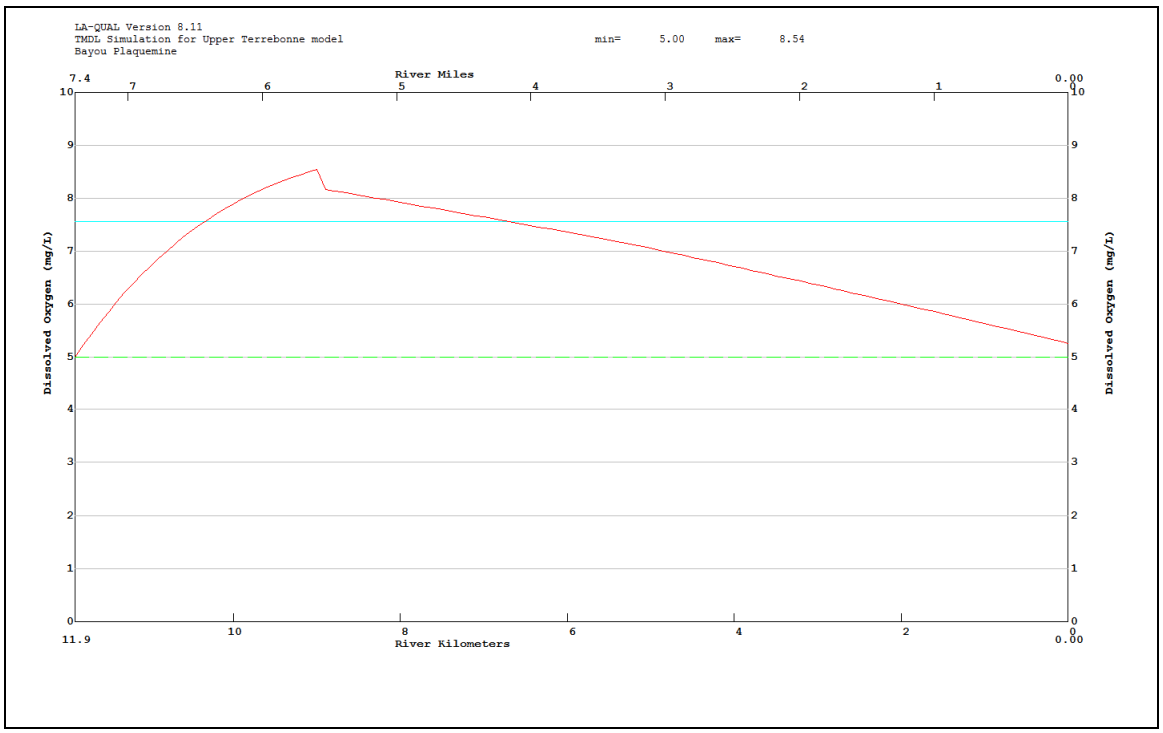

Figure J-16. DO TMDL results for subsegment 120106

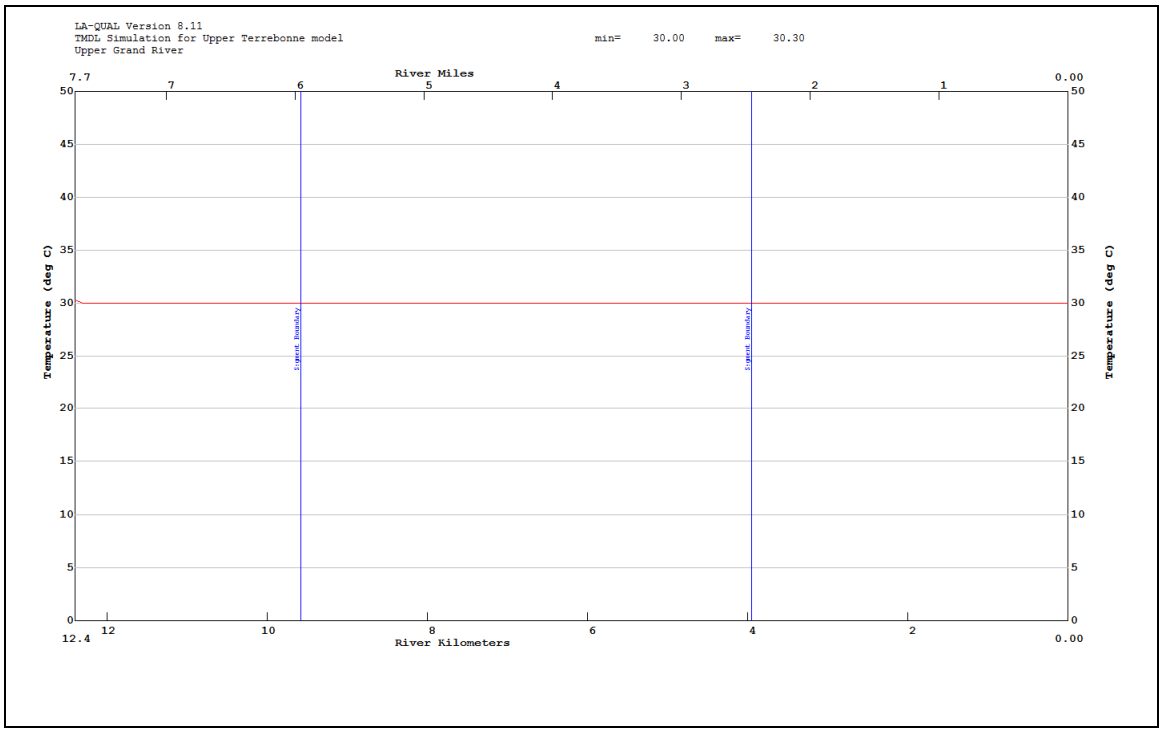

Figure J-17. Temperature TMDL results for subsegment 120107

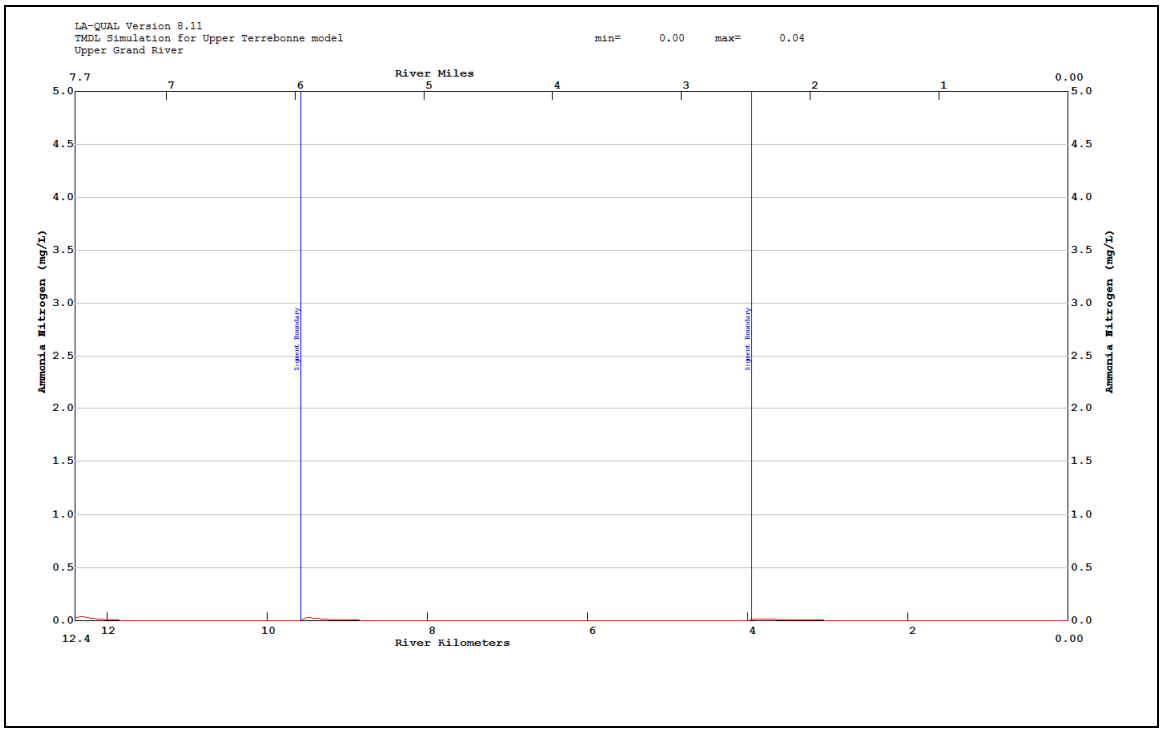

Figure J-18. Ammonia TMDL results for subsegment 120107

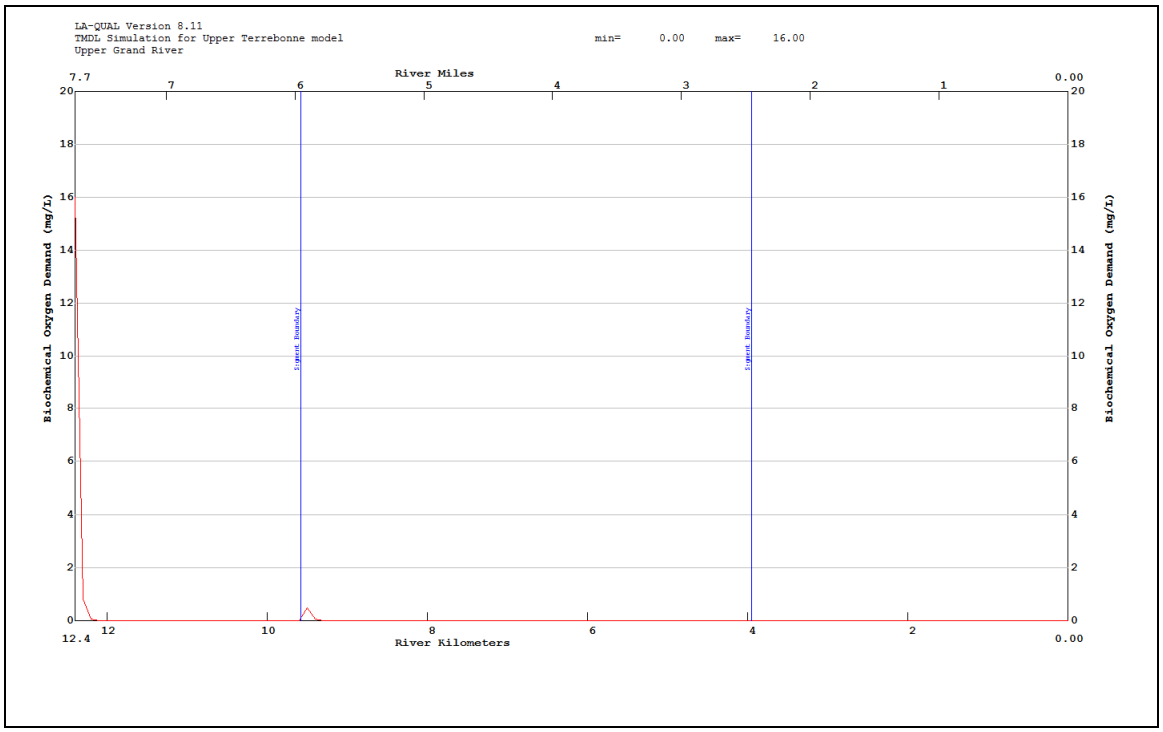

Figure J-19. BOD_u TMDL results for subsegment 120107

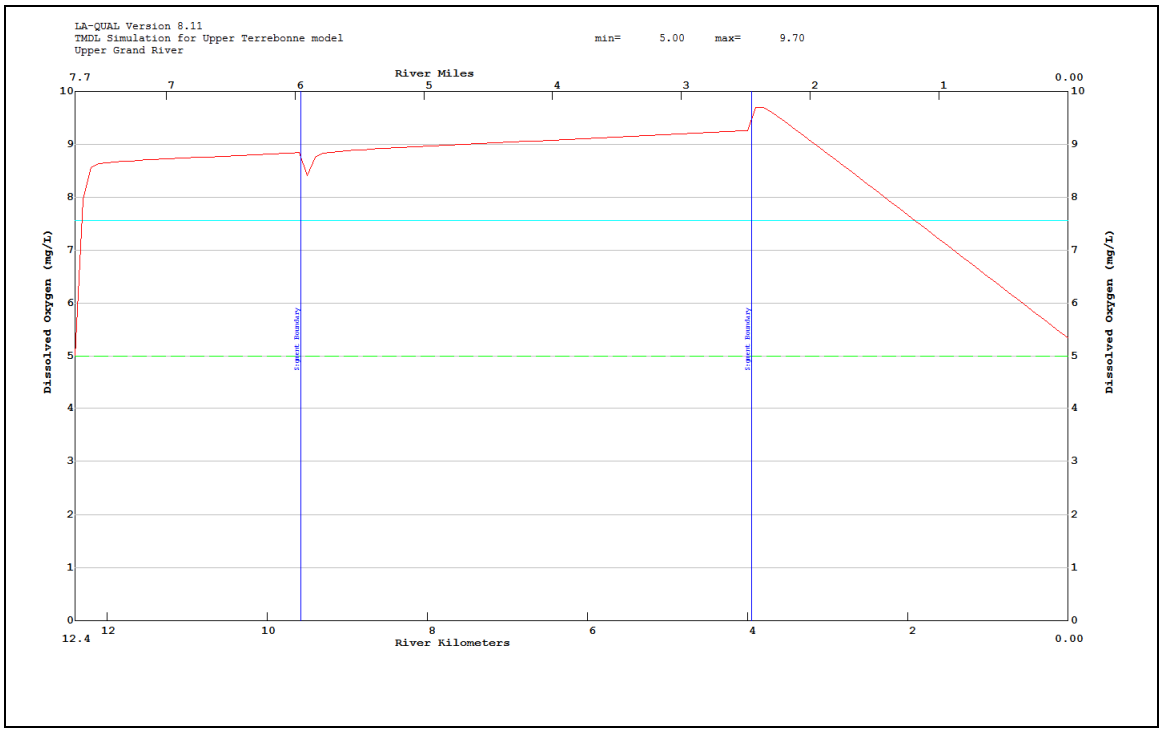

Figure J-20. DO TMDL results for subsegment 120107

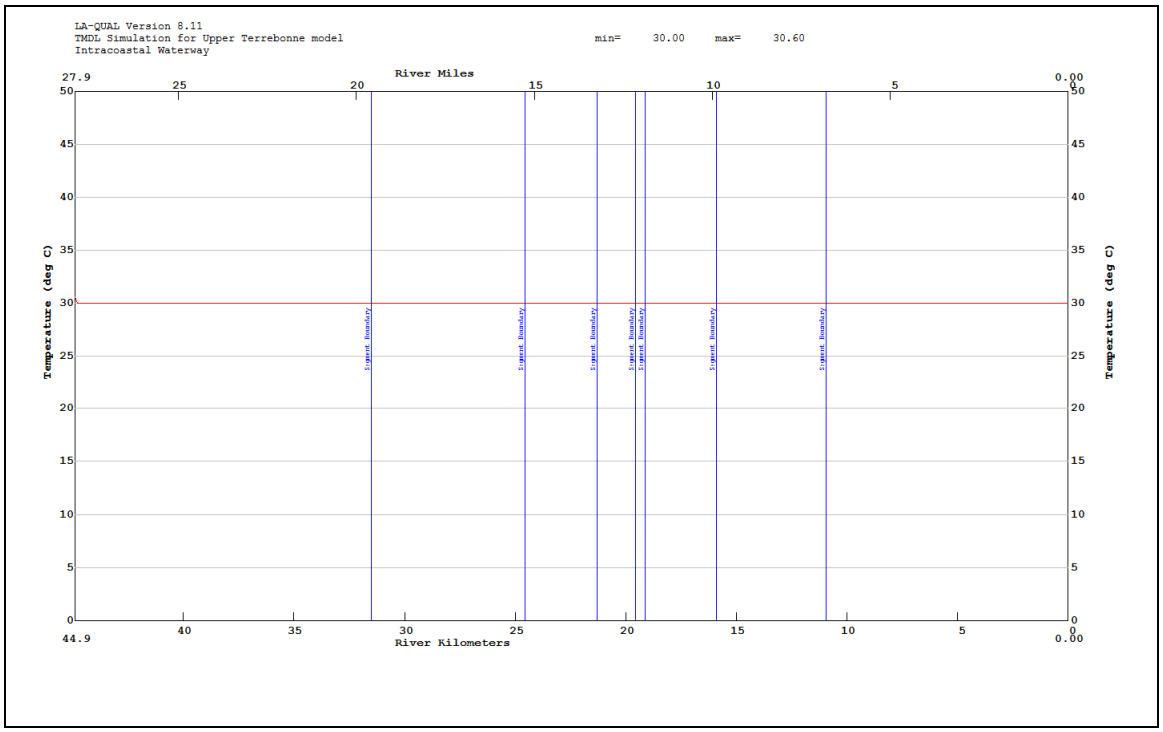

Figure J-21. Temperature TMDL results for subsegment 120109

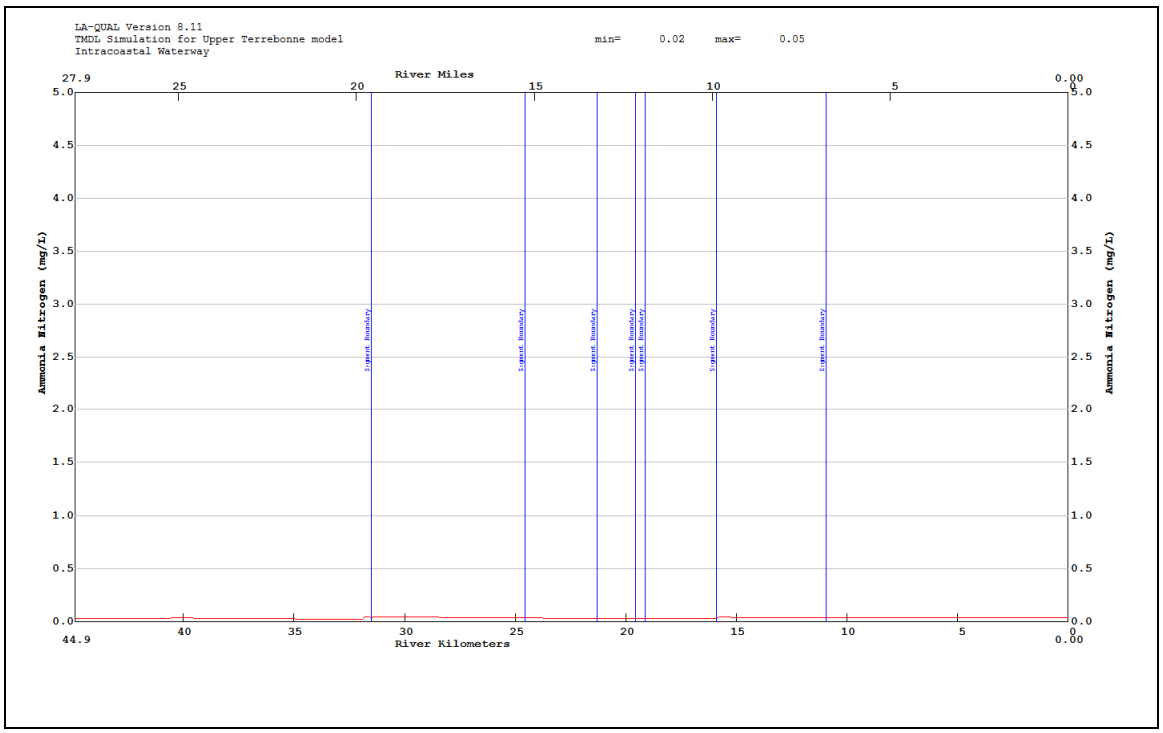

Figure J-22. Ammonia TMDL results for subsegment 120109

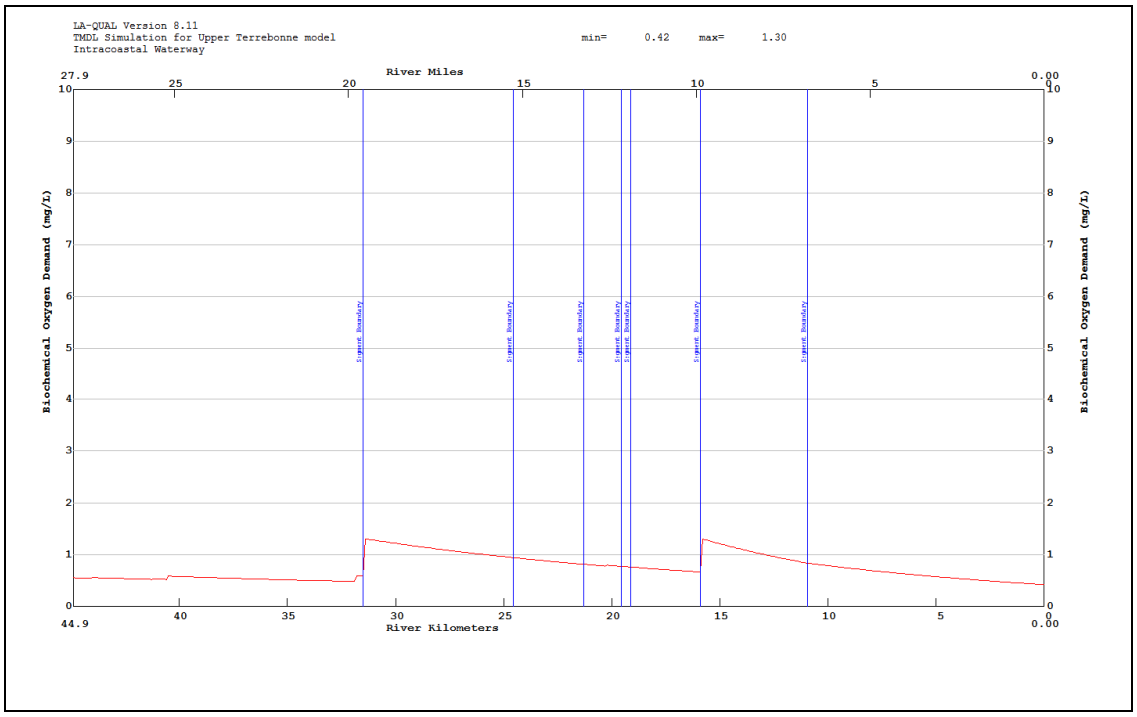

Figure 23. BOD_u TMDL results for subsegment 120109

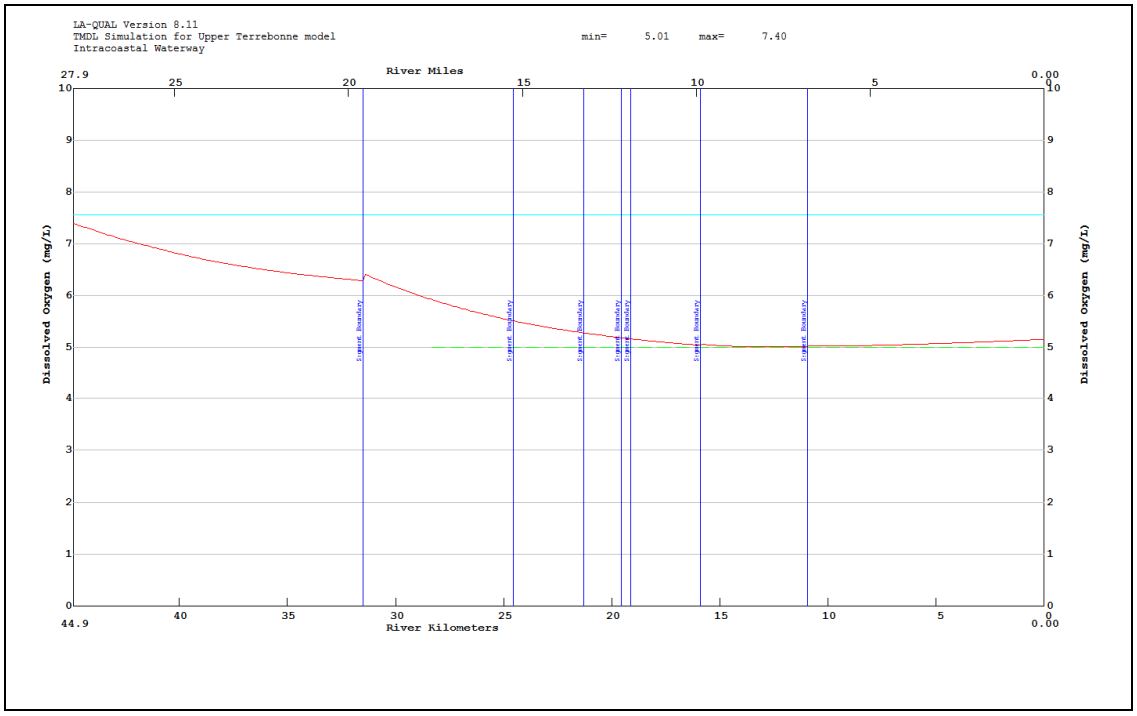

Figure J-24. DO TMDL results for subsegment 120109

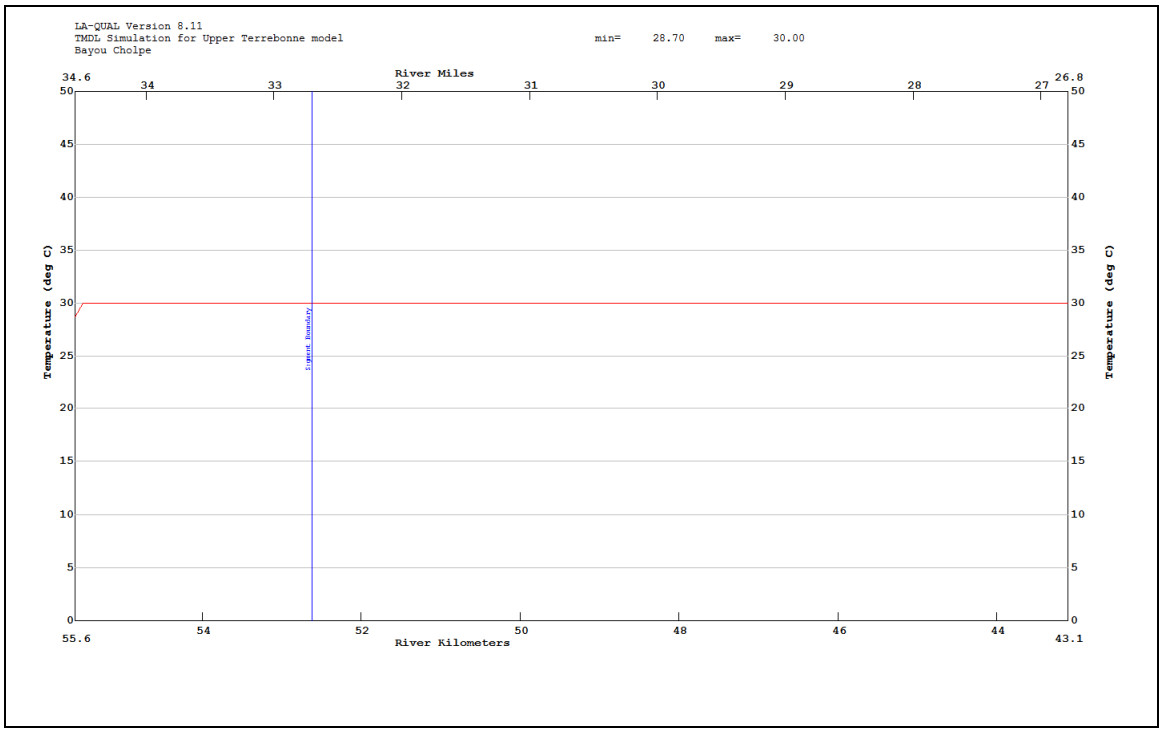

Figure J-25. Temperature TMDL results for subsegment 120110

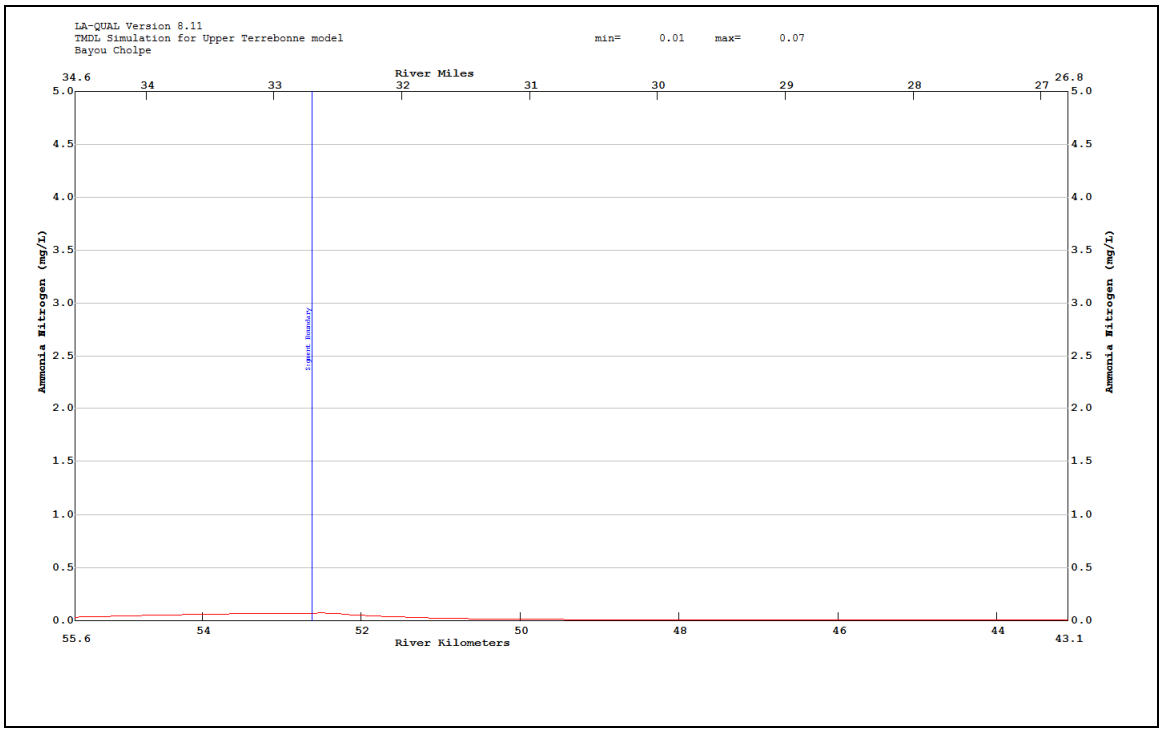

Figure J-26. Ammonia TMDL results for subsegment 120110

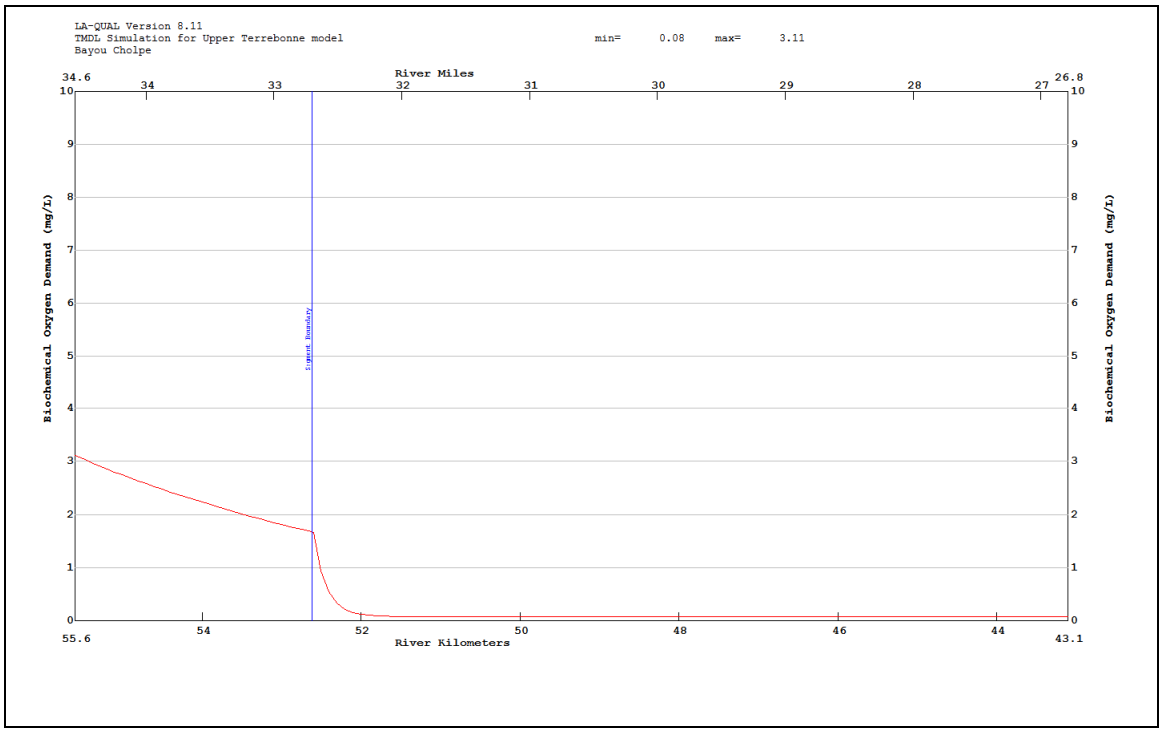

Figure J-27. BOD_u TMDL results for subsegment 120110

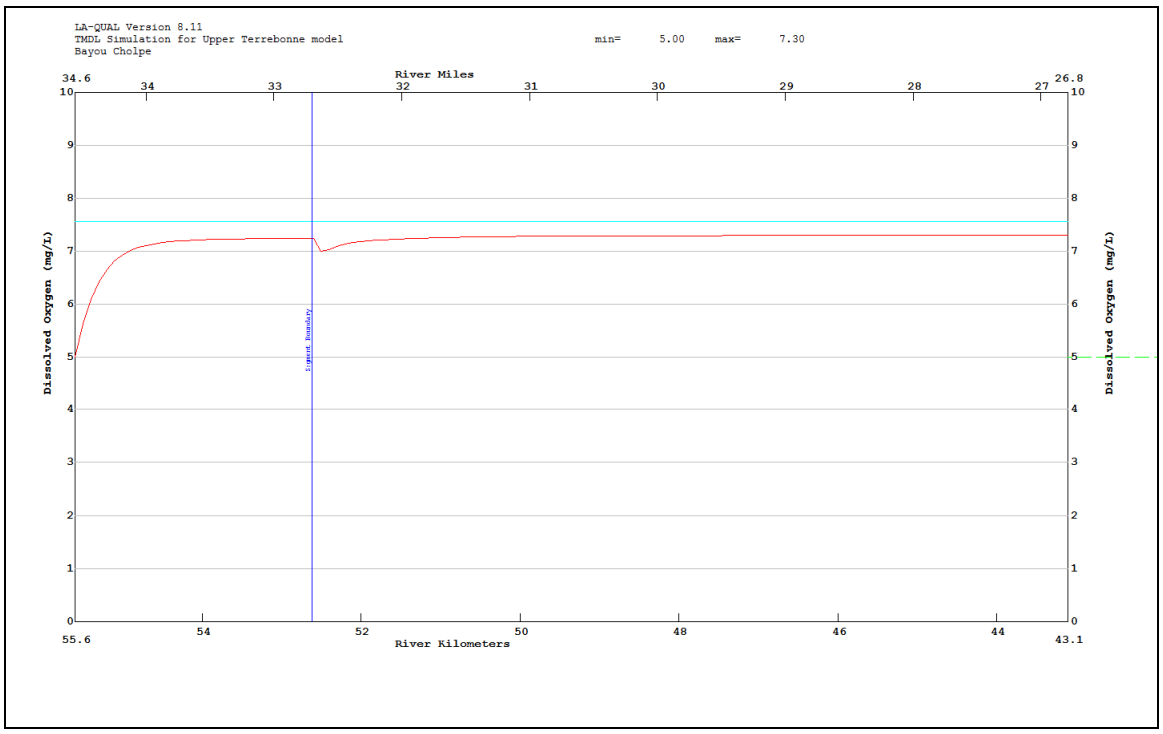

Figure J-28. DO TMDL results for subsegment 120110

APPENDIX K:
SENSITIVITY ANALYSIS PLOTS

Figure K-1. BOD sensitivity results (BOD settling rate) for subsegment 120102. 1
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Figure K-4. BOD sensitivity results (reaeration) for subsegment 120102. 2
Figure K-5. BOD sensitivity results (background SOD) for subsegment 120102. 3
Figure K-6. BOD sensitivity results (stream velocity) for subsegment 120102..... 3
Figure K-7. DO sensitivity results (BOD settling rate) for subsegment 120102..... 4
Figure K-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120102. ... 4
Figure K-9. DO sensitivity results (dispersion) for subsegment 120102..... 5
Figure K-10. DO sensitivity results (reaeration) for subsegment 120102..... 5
Figure K-11. DO sensitivity results (background SOD) for subsegment 120102..... 6
Figure K-12. DO sensitivity results (stream velocity) for subsegment 120102. 6
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Figure K-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120103. 10
Figure K-21. DO sensitivity results (dispersion) for subsegment 120103. 11
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Figure K-23. DO sensitivity results (background SOD) for subsegment 120103..... 12
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Figure K-32. DO sensitivity results (BOD aerobic decay rate) for subsegment 120105. 16
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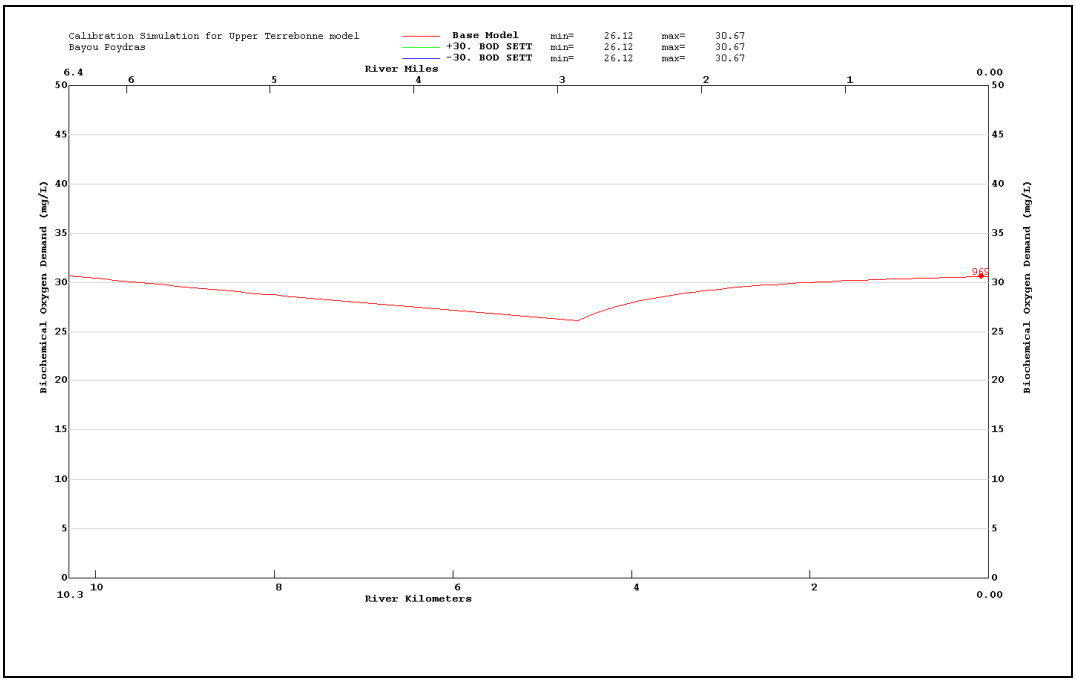

Figure K-1. BOD sensitivity results (BOD settling rate) for subsegment 120102.

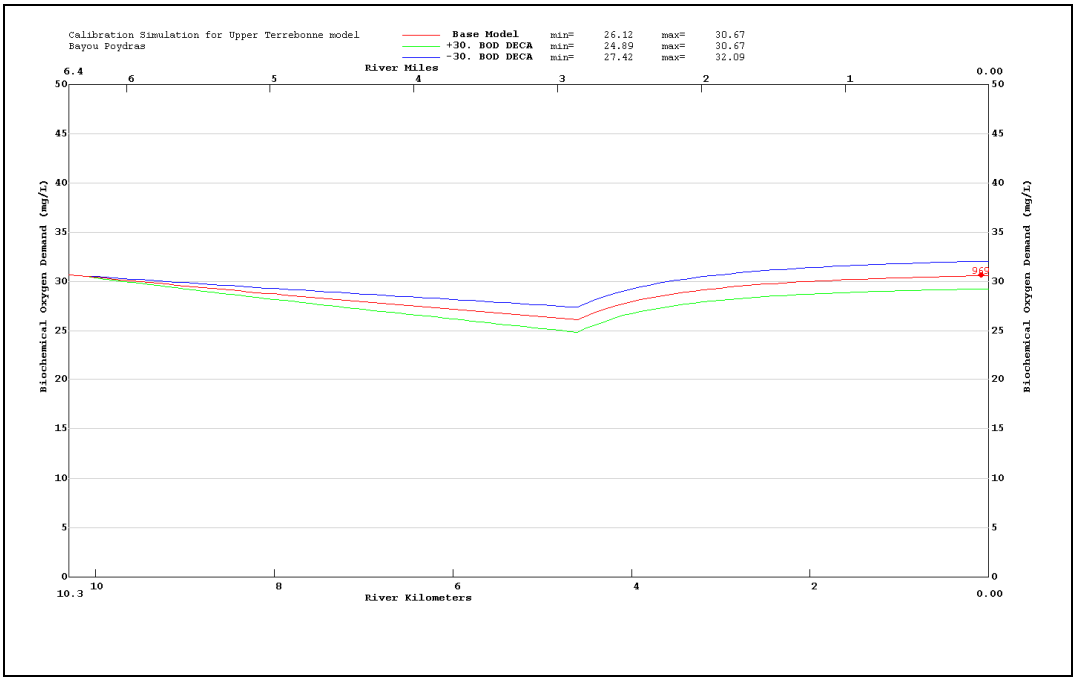

Figure K-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120102.

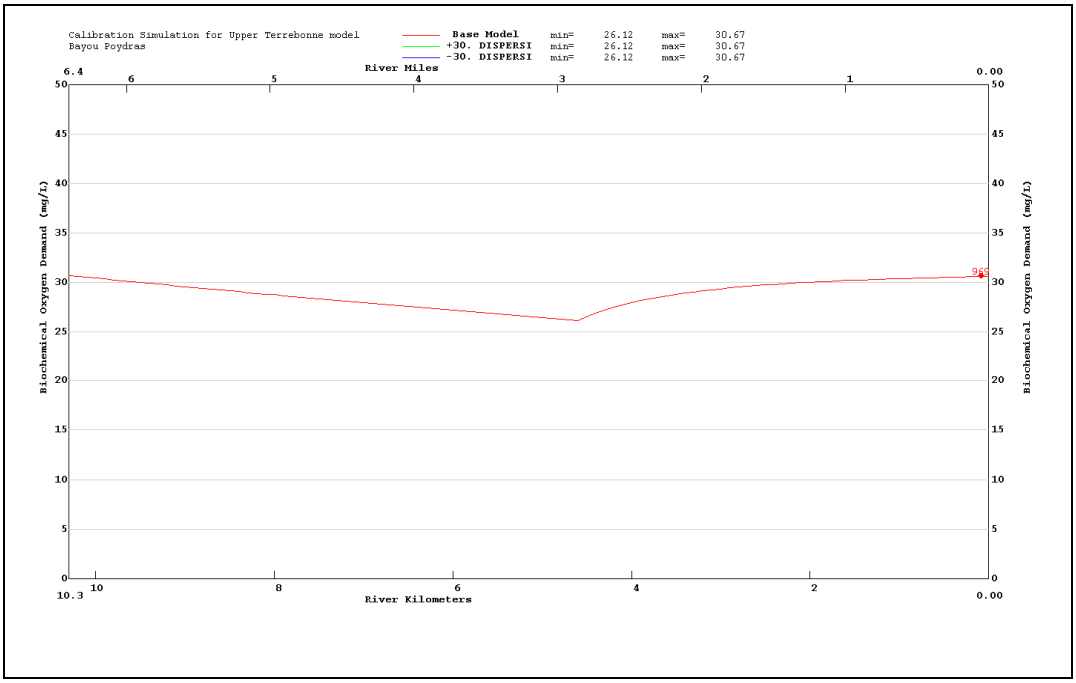

Figure K-3. BOD sensitivity results (dispersion) for subsegment 120102.

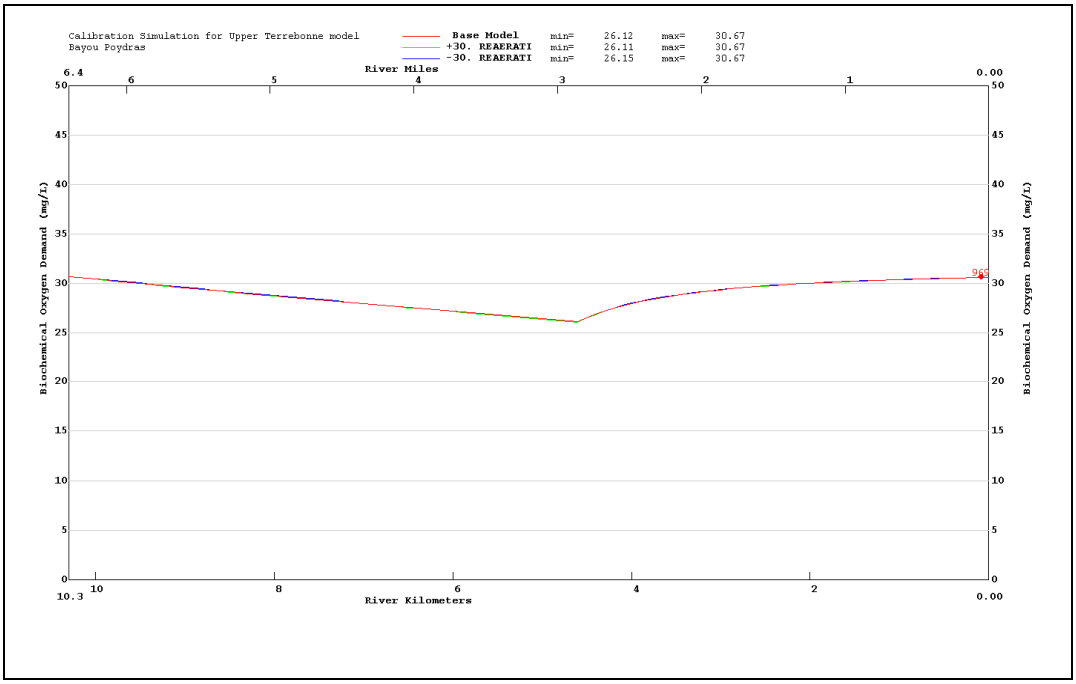

Figure K-4. BOD sensitivity results (reaeration) for subsegment 120102.

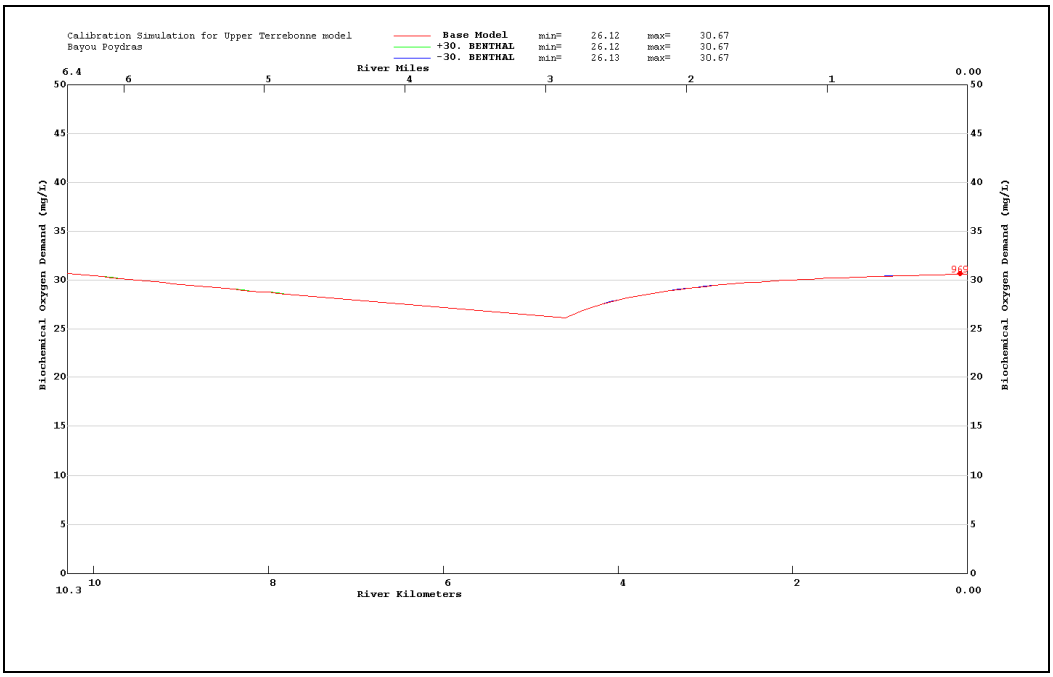

Figure K-5. BOD sensitivity results (background SOD) for subsegment 120102.

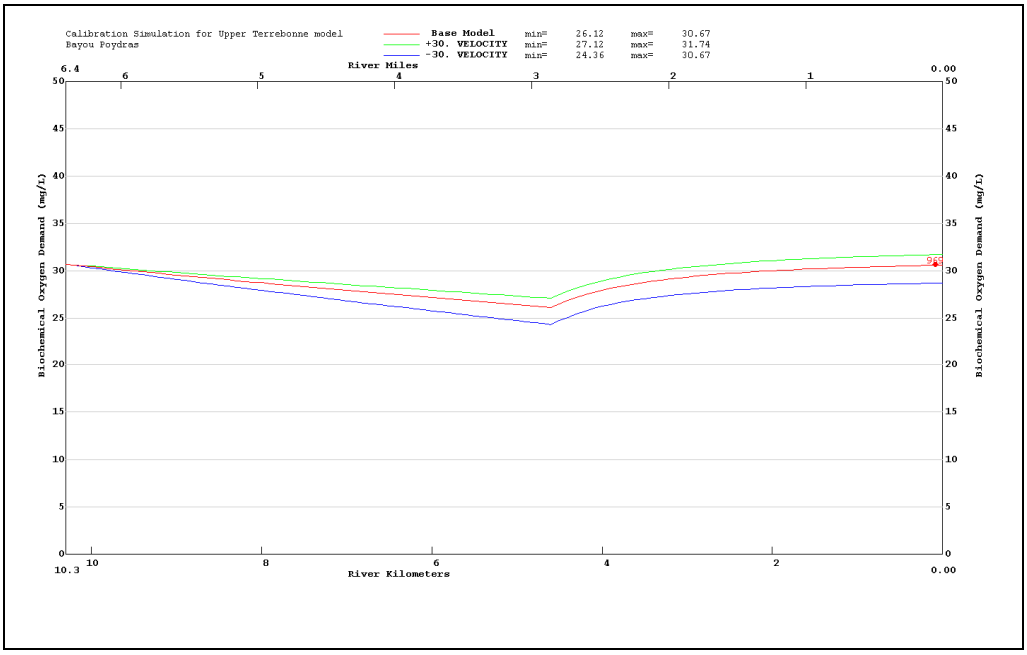

Figure K-6. BOD sensitivity results (stream velocity) for subsegment 120102.

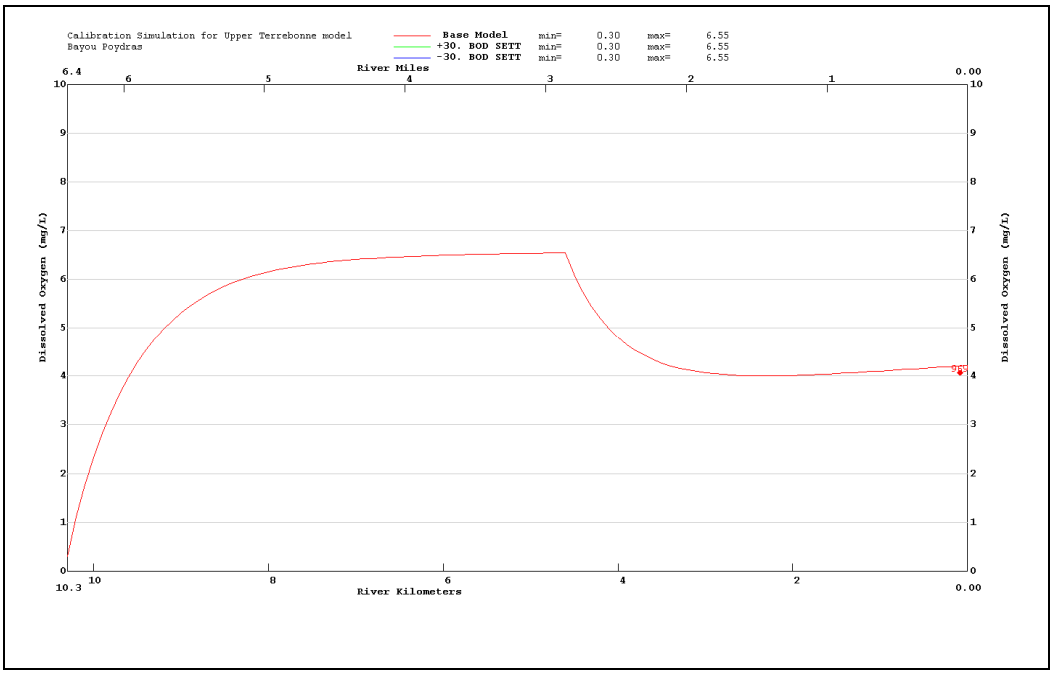

Figure K-7. DO sensitivity results (BOD settling rate) for subsegment 120102.

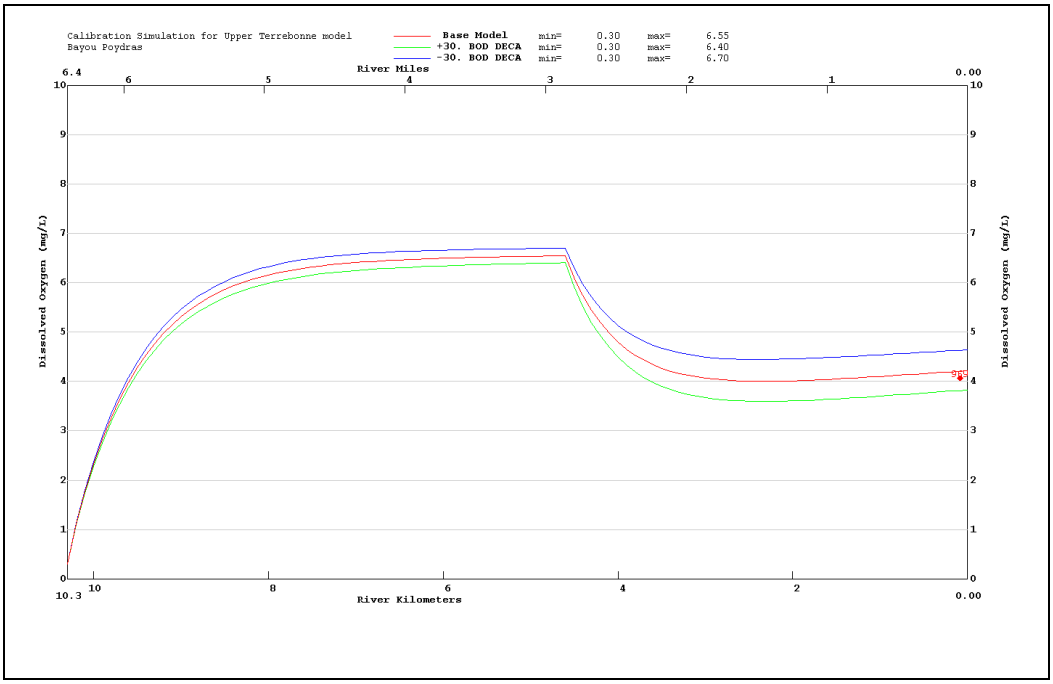

Figure K-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120102.

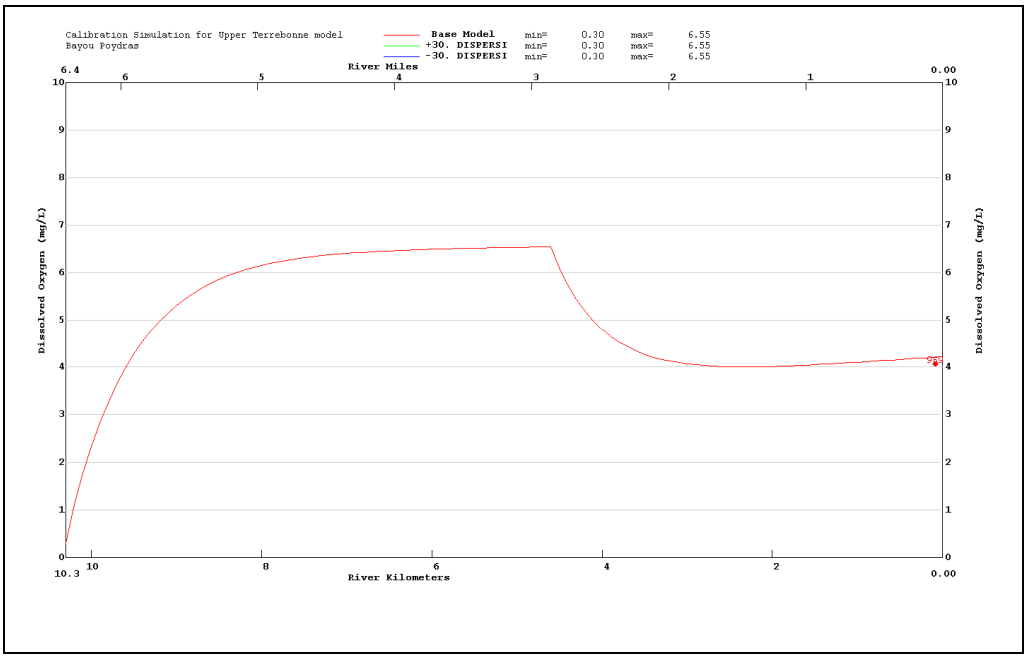

Figure K-9. DO sensitivity results (dispersion) for subsegment 120102.

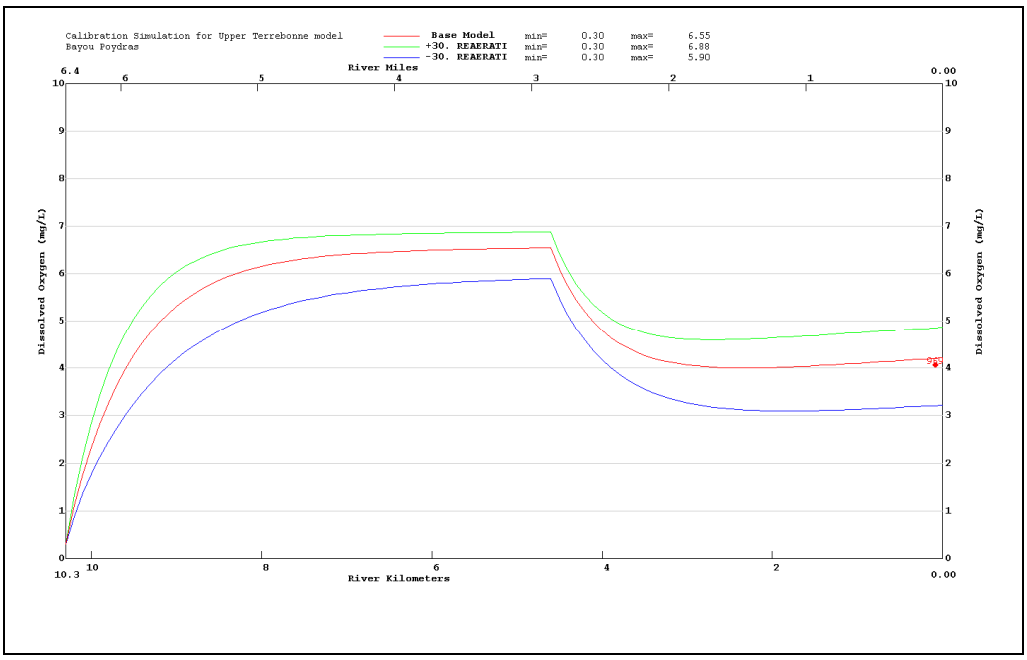

Figure K-10. DO sensitivity results (reaeration) for subsegment 120102.

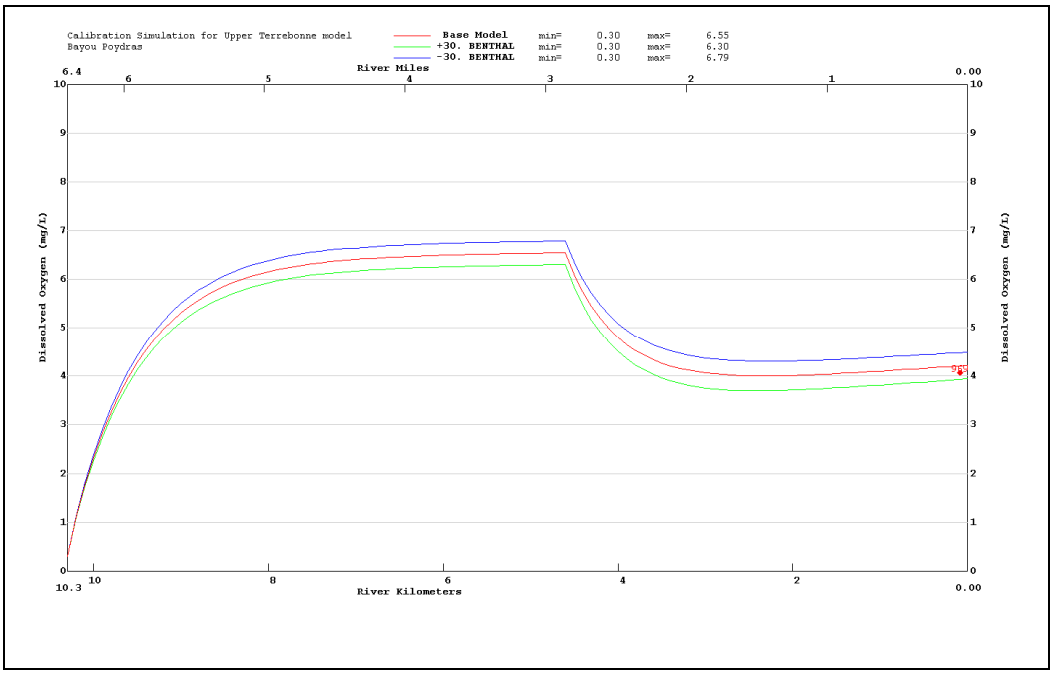

Figure K-11. DO sensitivity results (background SOD) for subsegment 120102.

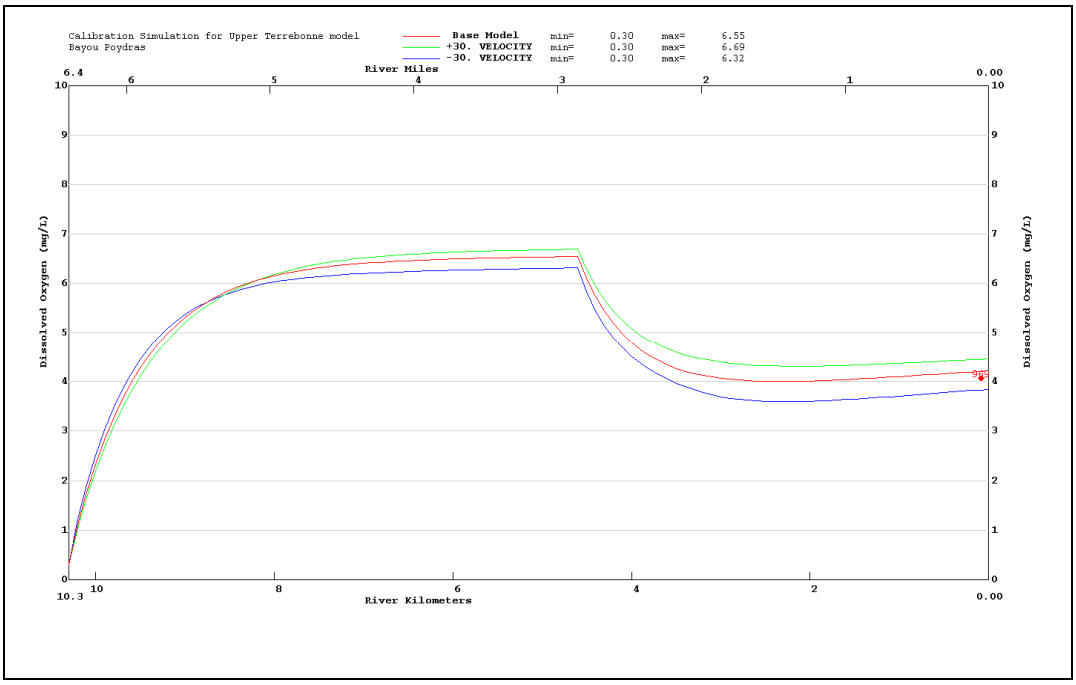

Figure K-12. DO sensitivity results (stream velocity) for subsegment 120102.

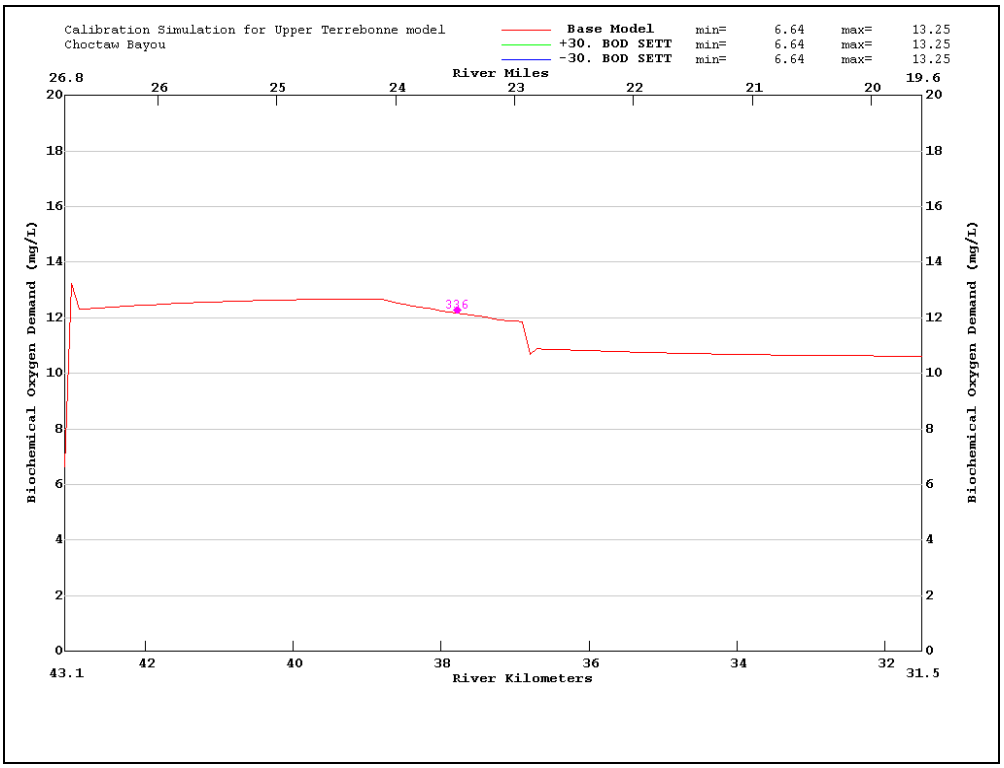

Figure K-13. BOD sensitivity results (BOD settling rate) for subsegment 120103.

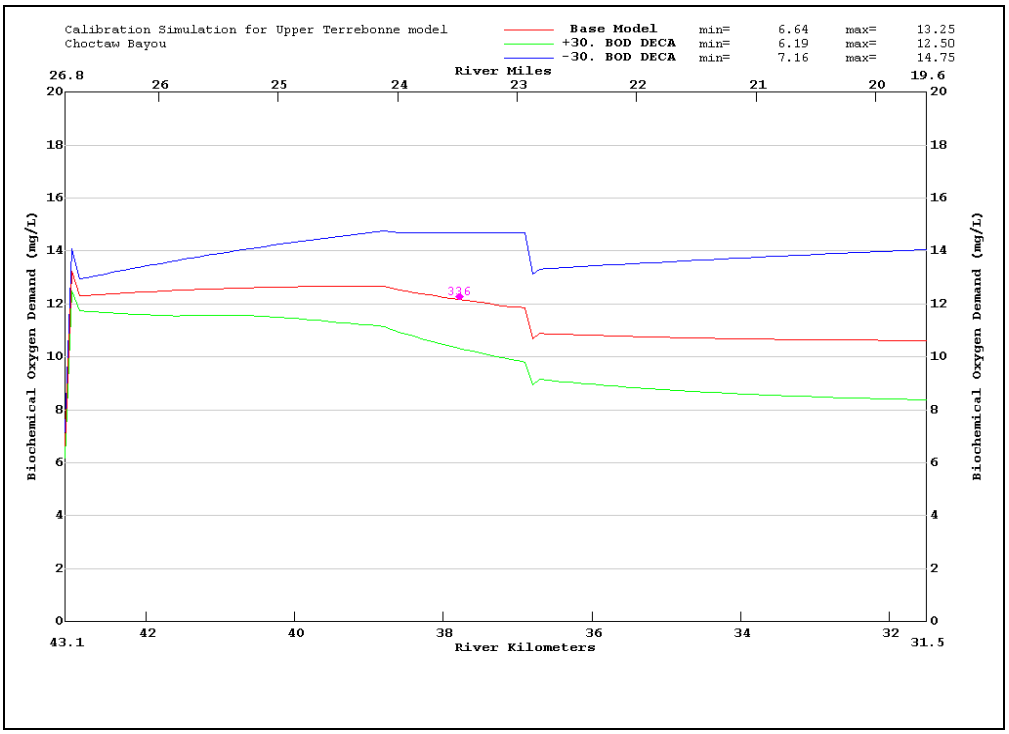

Figure K-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120103.

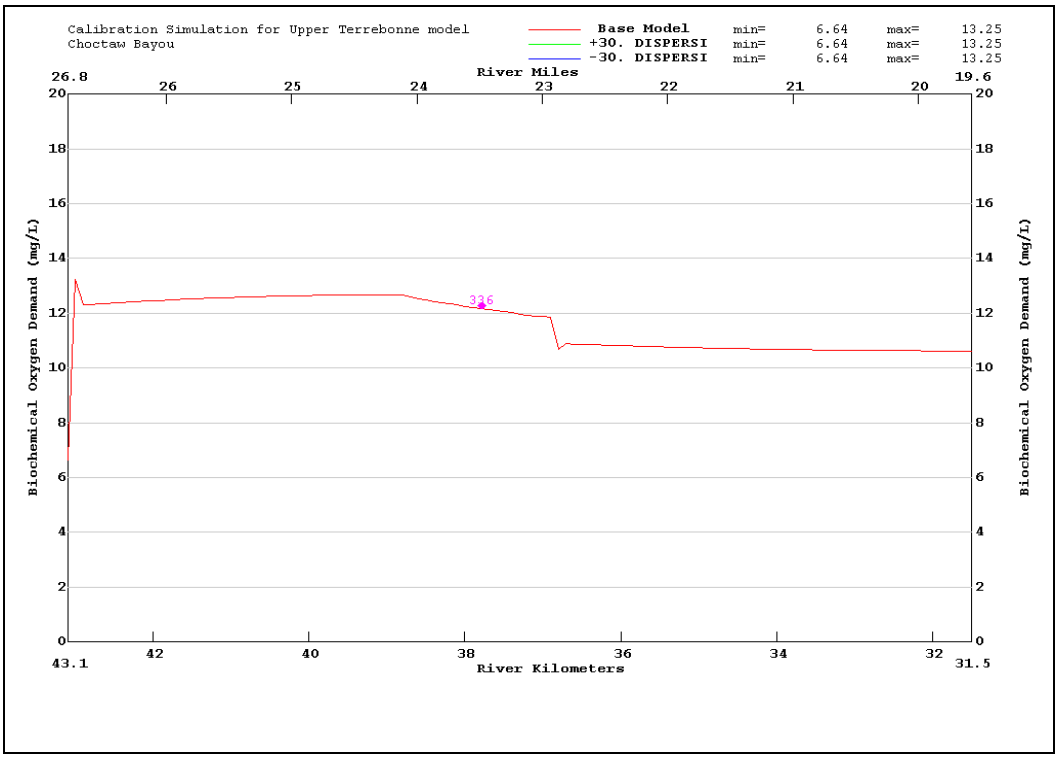

Figure K-15. BOD sensitivity results (dispersion) for subsegment 120103.

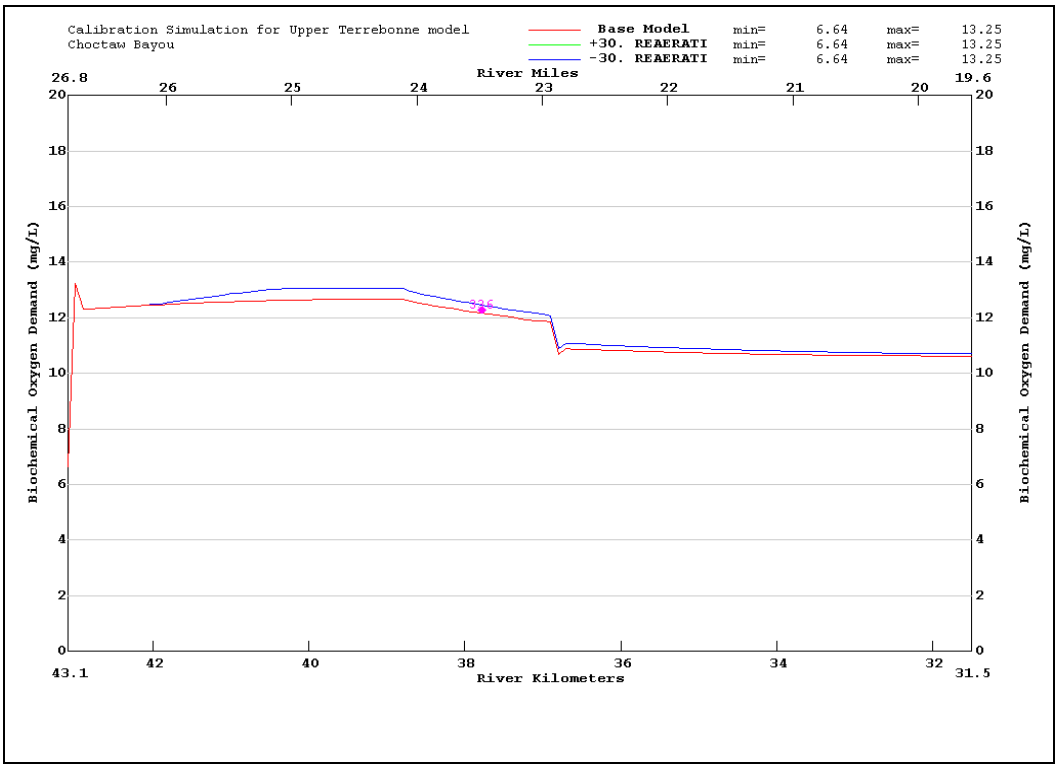

Figure K-16. BOD sensitivity results (reaeration) for subsegment 120103.

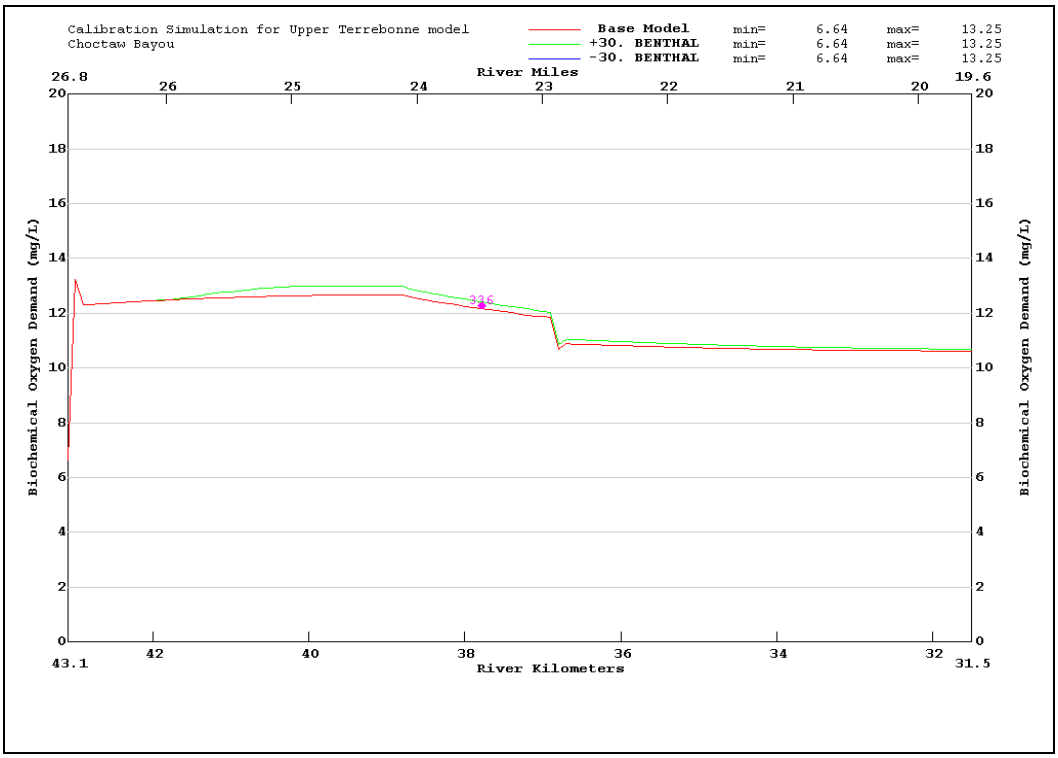

Figure K-17. BOD sensitivity results (background SOD) for subsegment 120103.

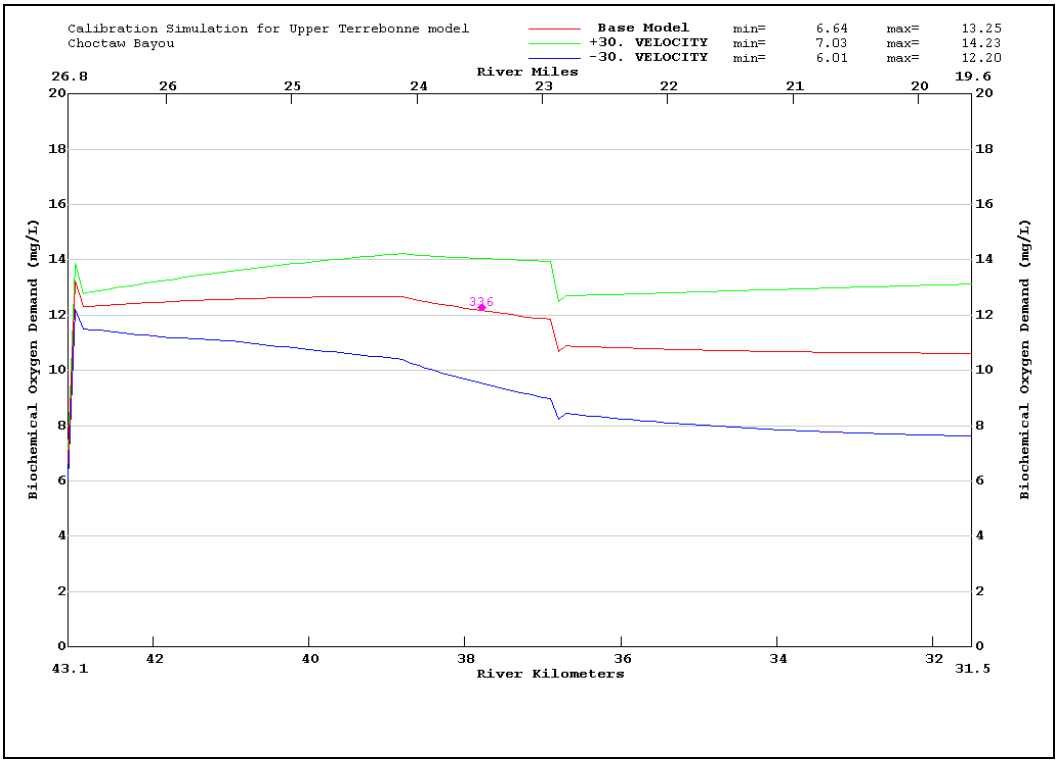

Figure K-18. BOD sensitivity results (stream velocity) for subsegment 120103.

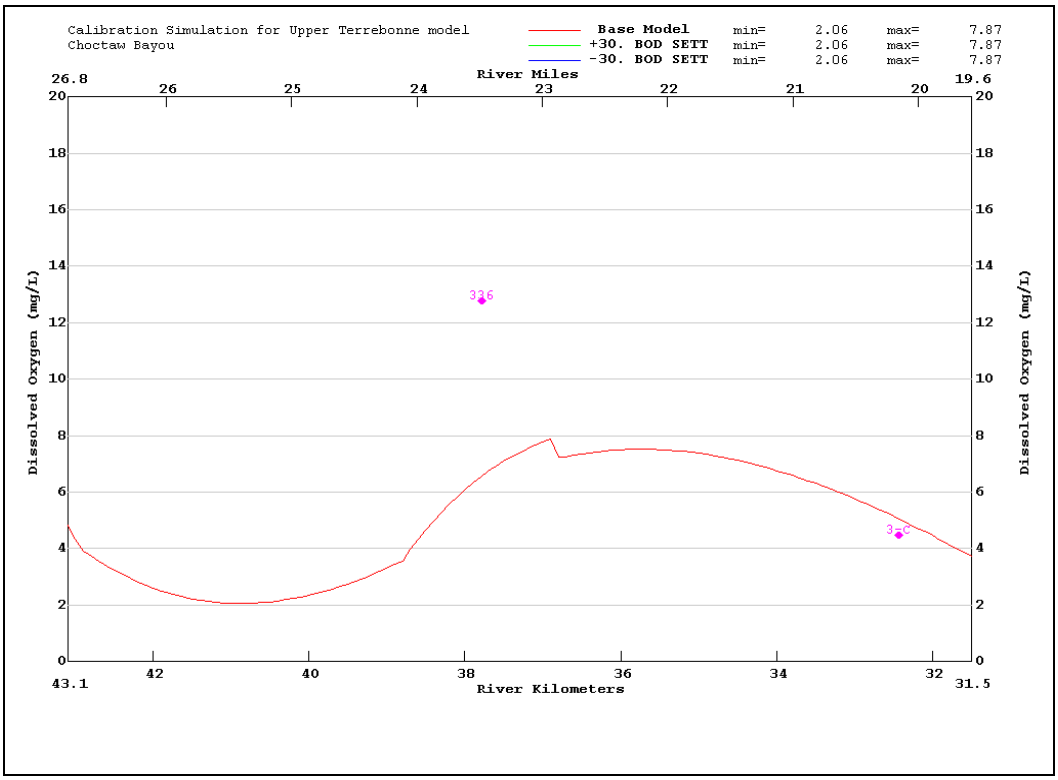

Figure K-19. DO sensitivity results (BOD settling rate) for subsegment 120103.

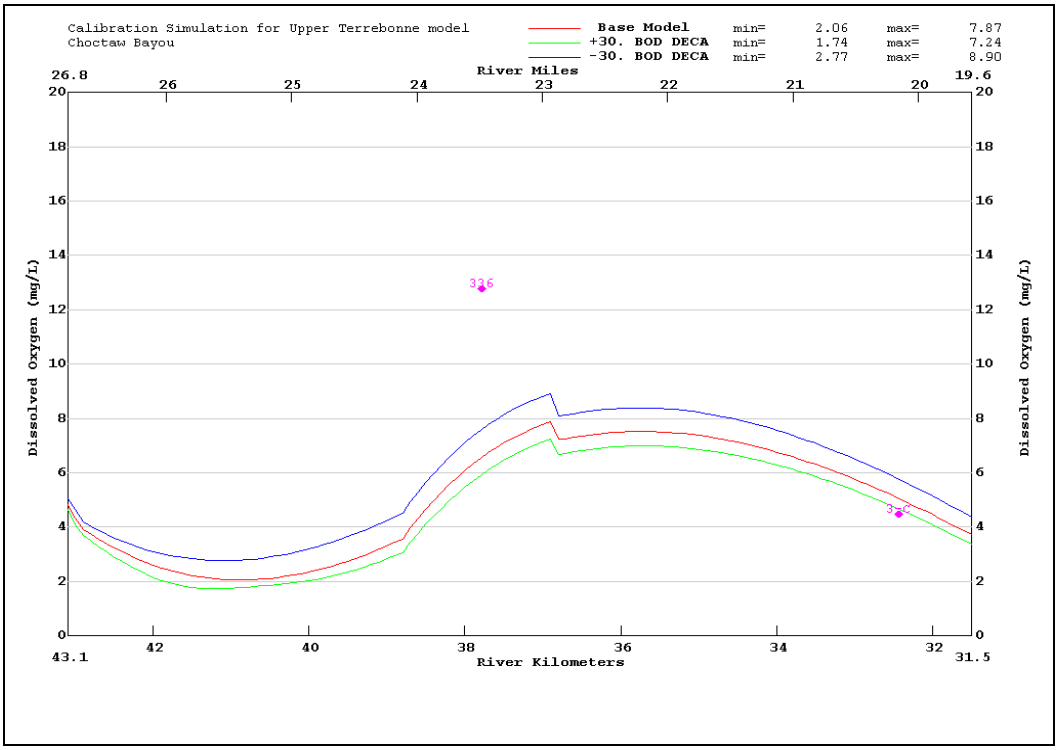

Figure K-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120103.

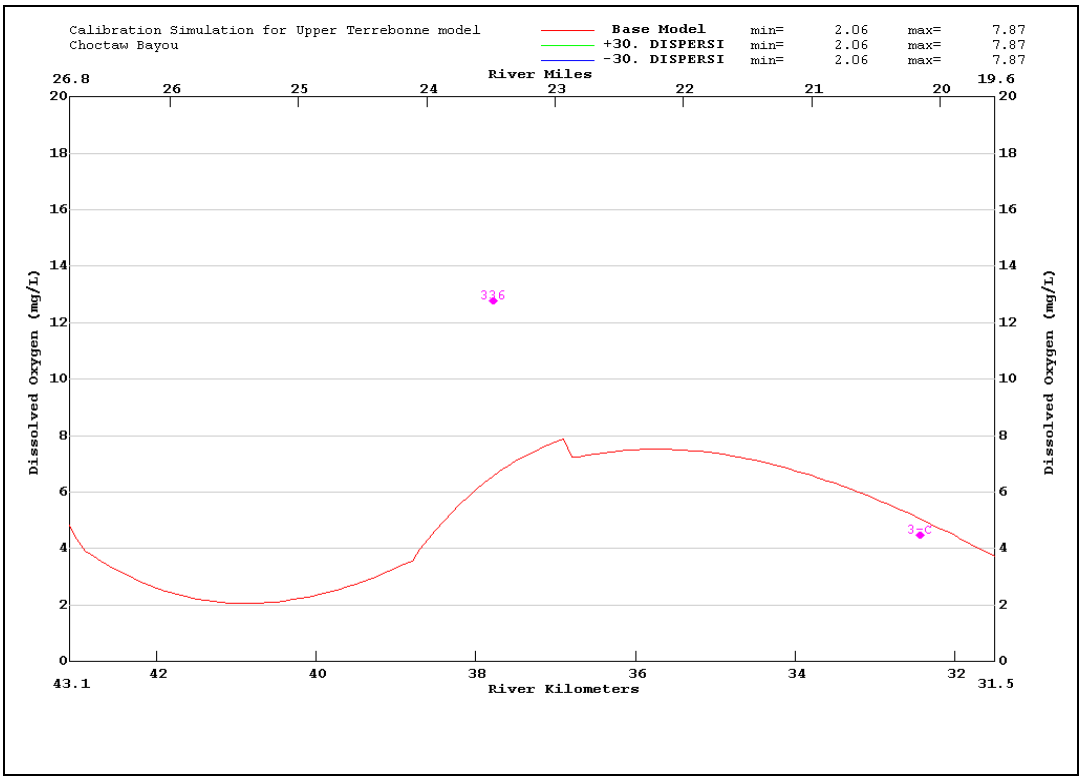

Figure K-21. DO sensitivity results (dispersion) for subsegment 120103.

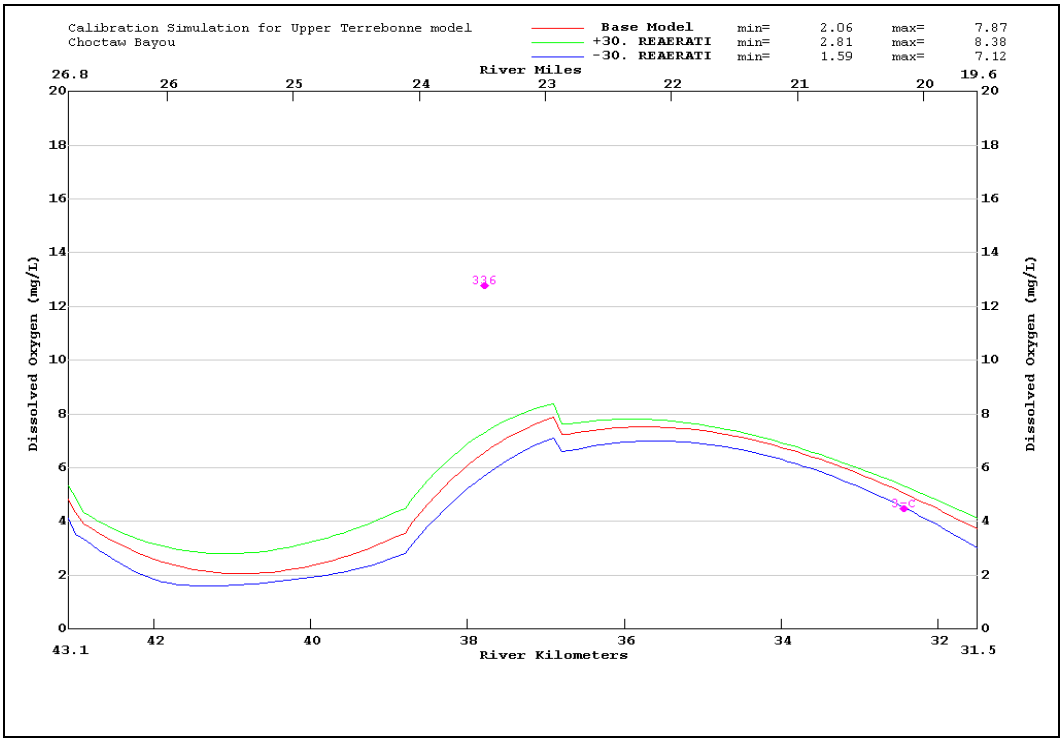

Figure K-22. DO sensitivity results (reaeration) for subsegment 120103.

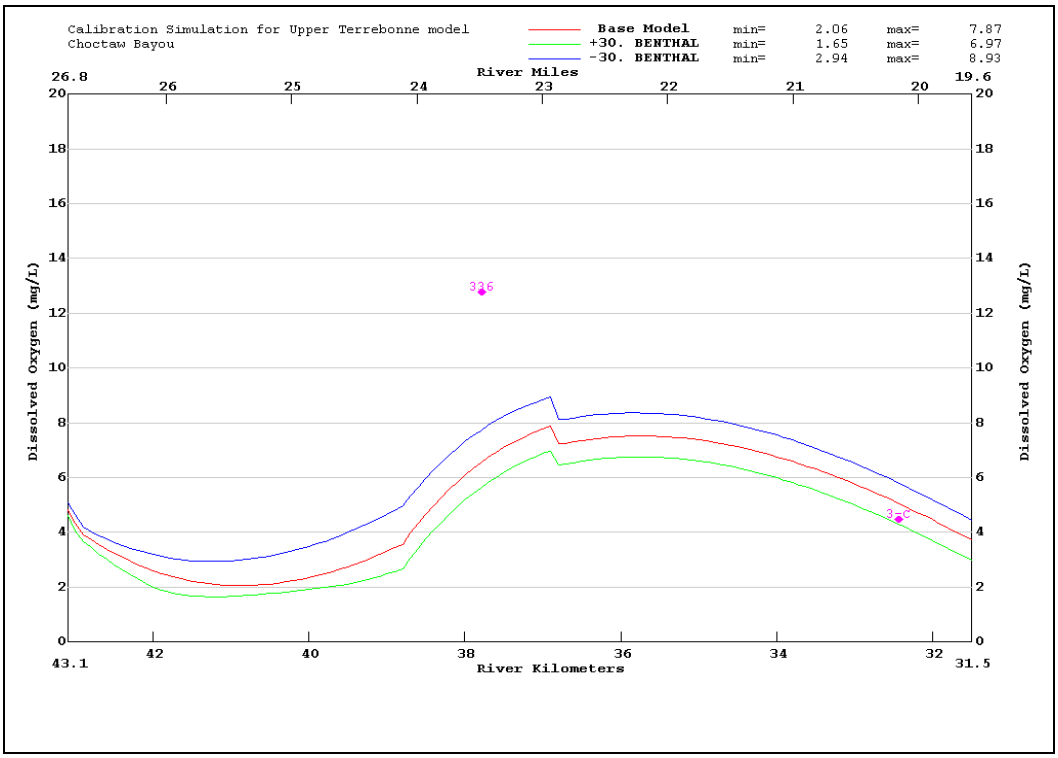

Figure K-23. DO sensitivity results (background SOD) for subsegment 120103.

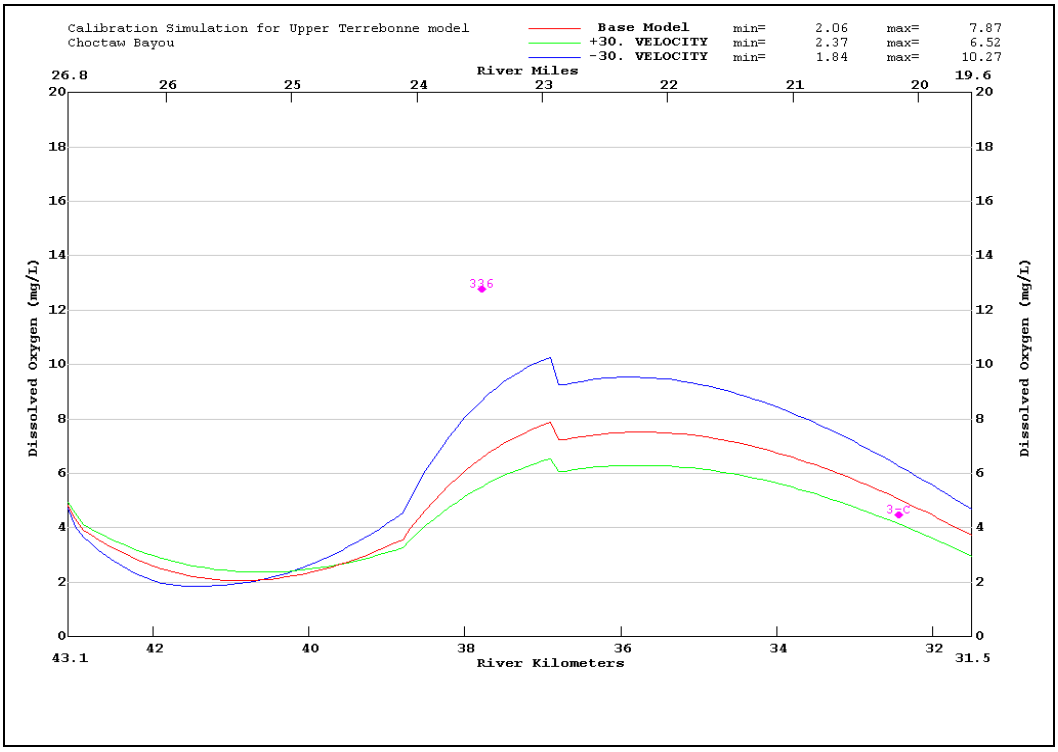

Figure K-24. DO sensitivity results (stream velocity) for subsegment 120103.

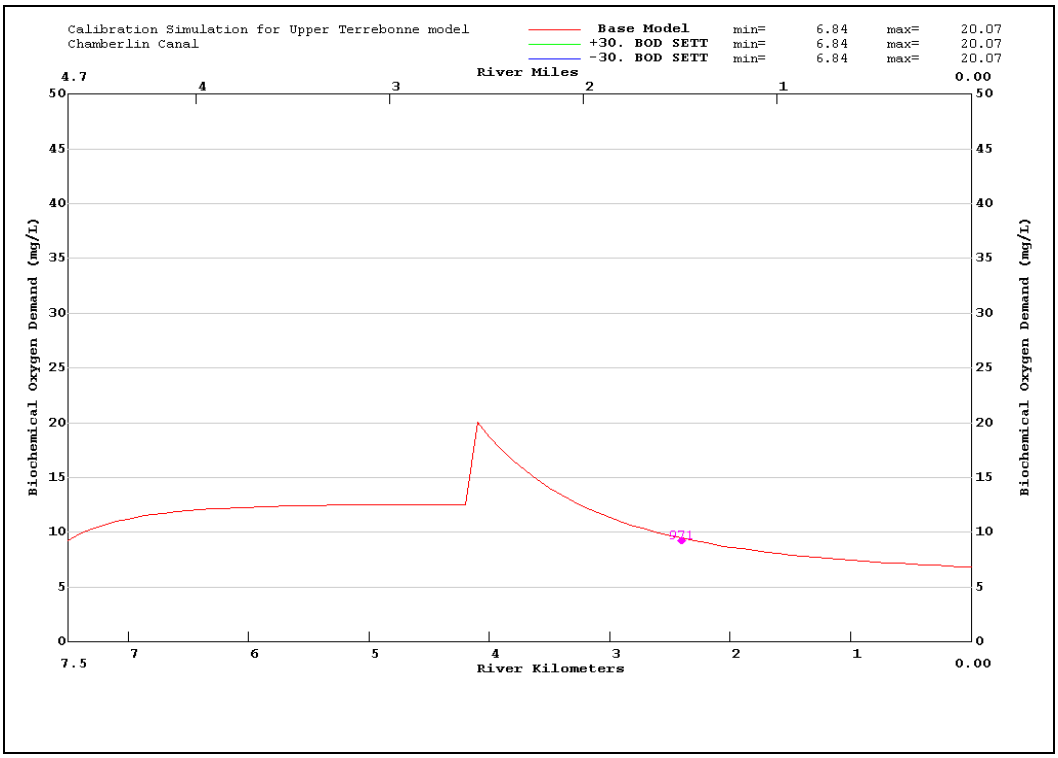

Figure K-25. BOD sensitivity results (BOD settling rate) for subsegment 120105.

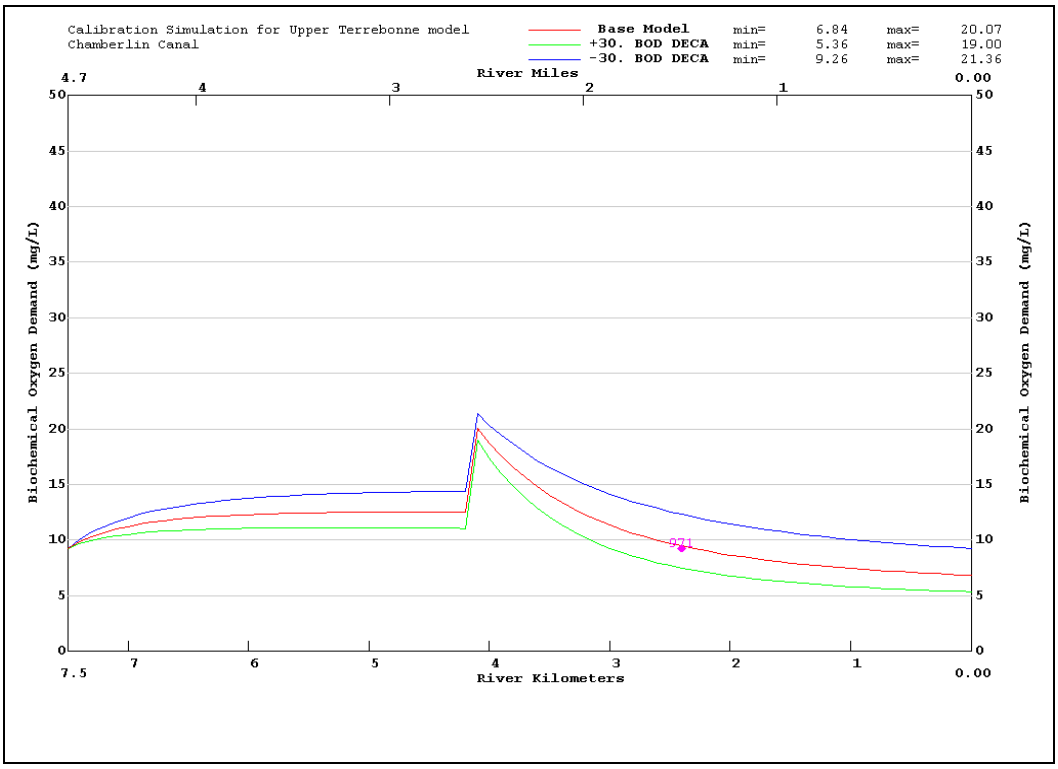

Figure K-26. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120105.

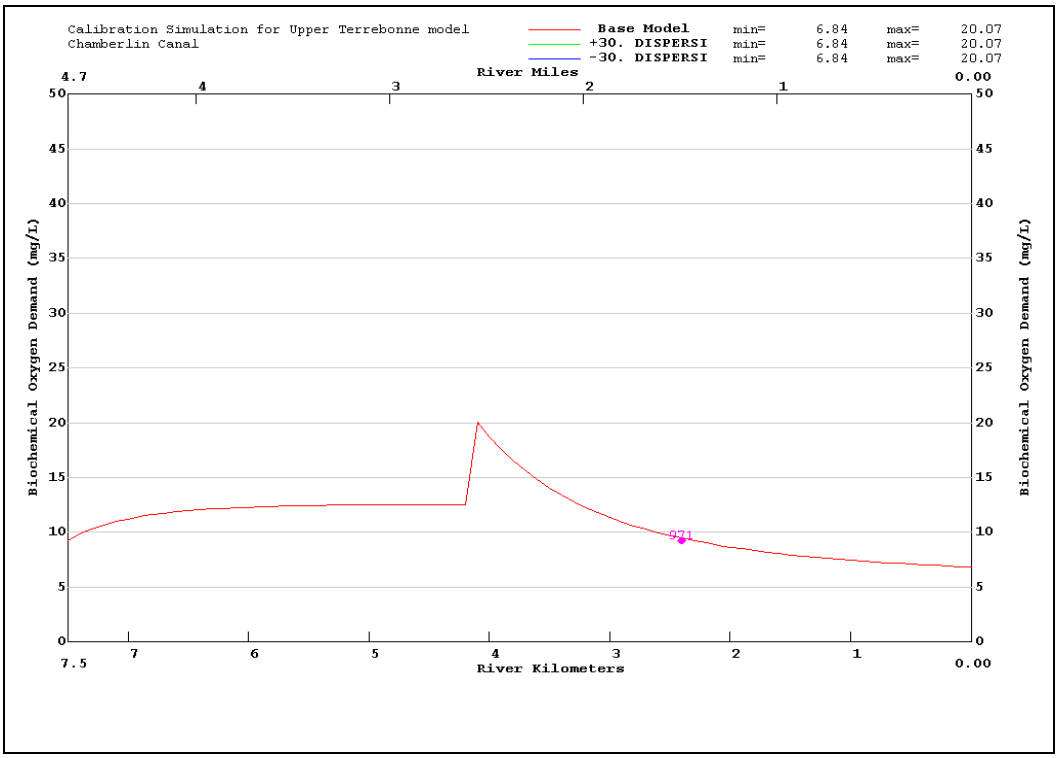

Figure K-27. BOD sensitivity results (dispersion) for subsegment 120105.

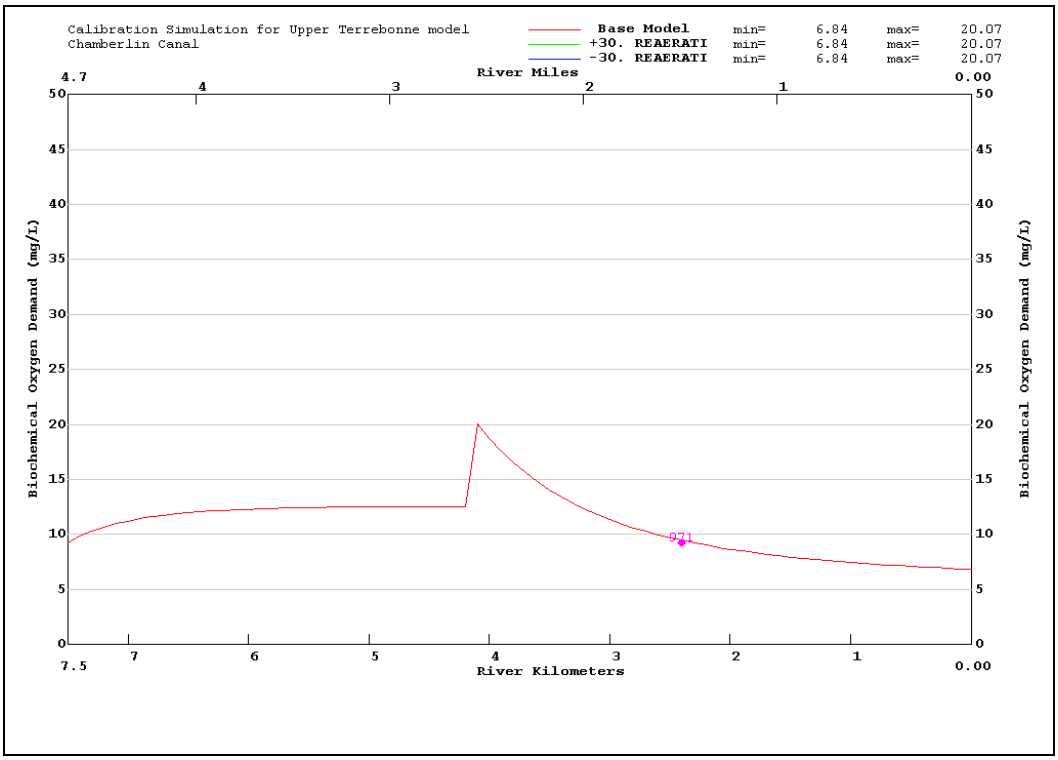

Figure K-28. BOD sensitivity results (reaeration) for subsegment 120105.

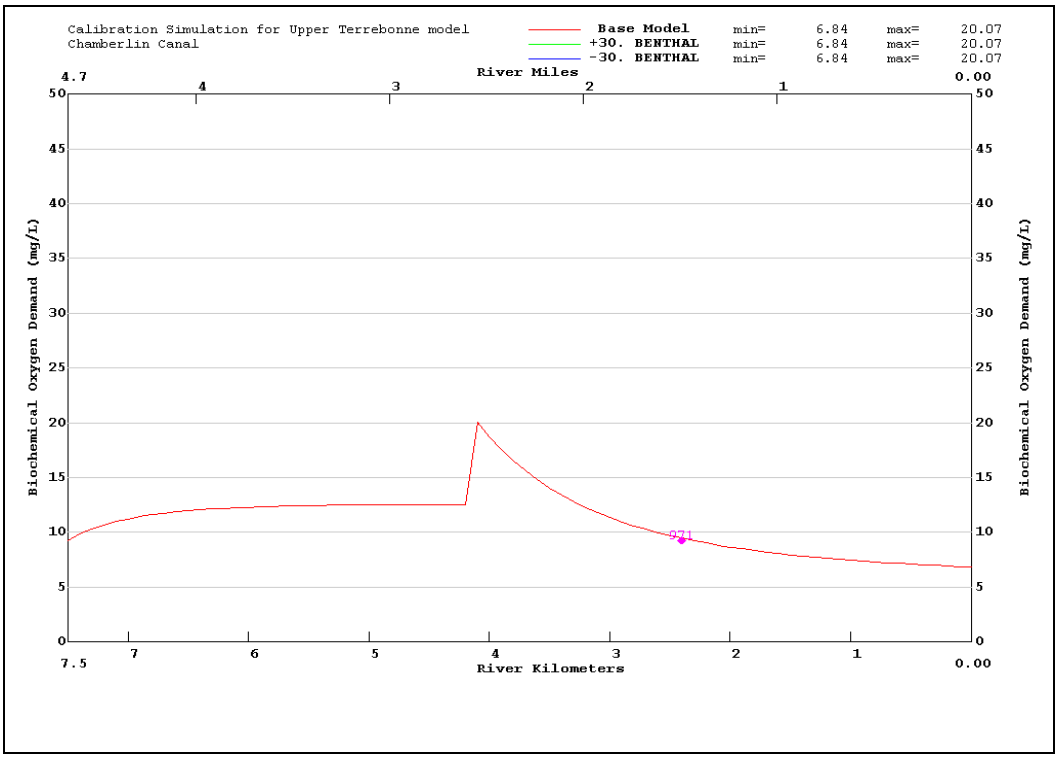

Figure K-29. BOD sensitivity results (background SOD) for subsegment 120105.

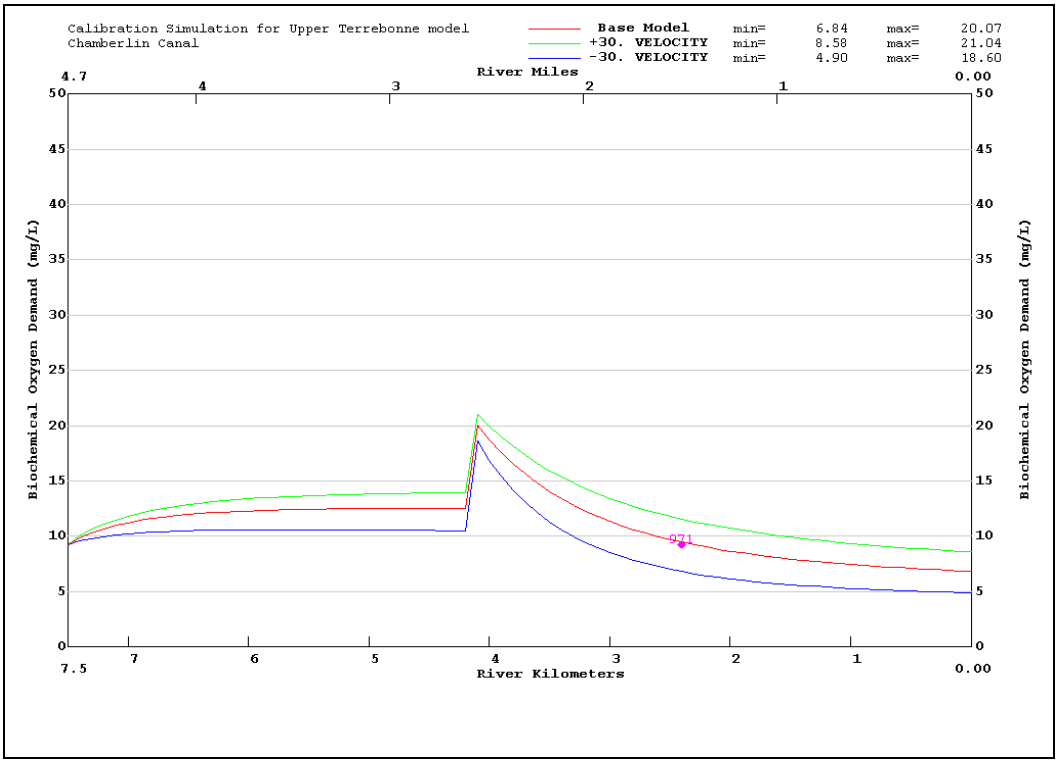

Figure K-30. BOD sensitivity results (stream velocity) for subsegment 120105.

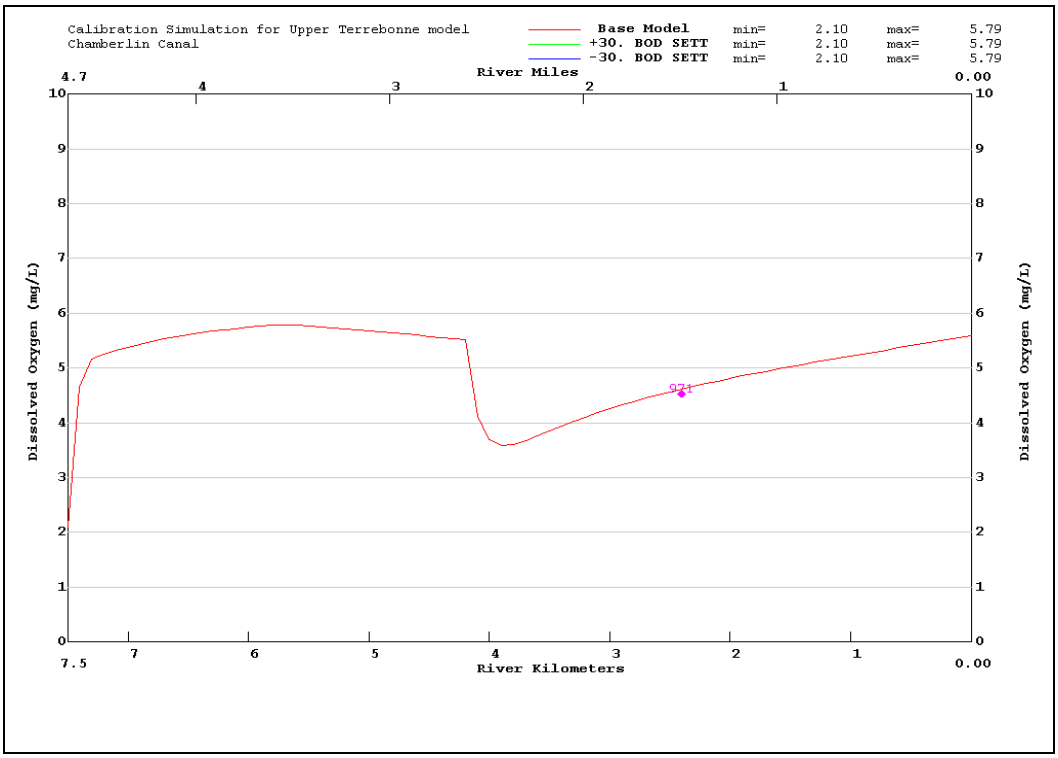

Figure K-31. DO sensitivity results (BOD settling rate) for subsegment 120105.

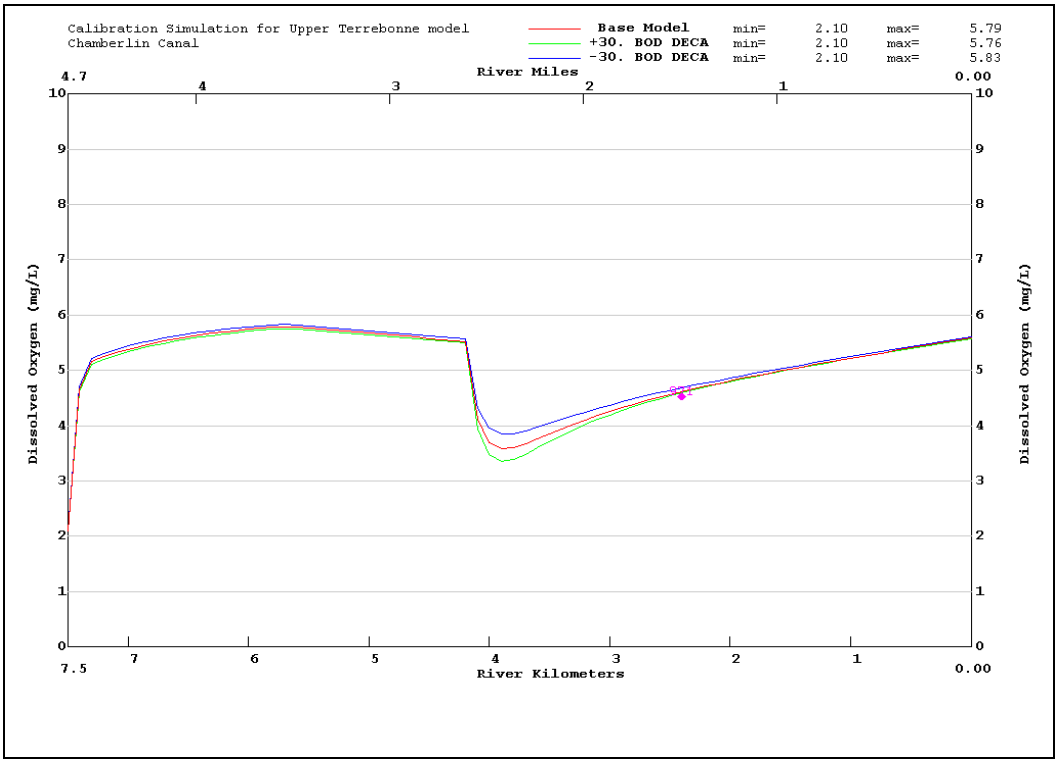

Figure K-32. DO sensitivity results (BOD aerobic decay rate) for subsegment 120105.

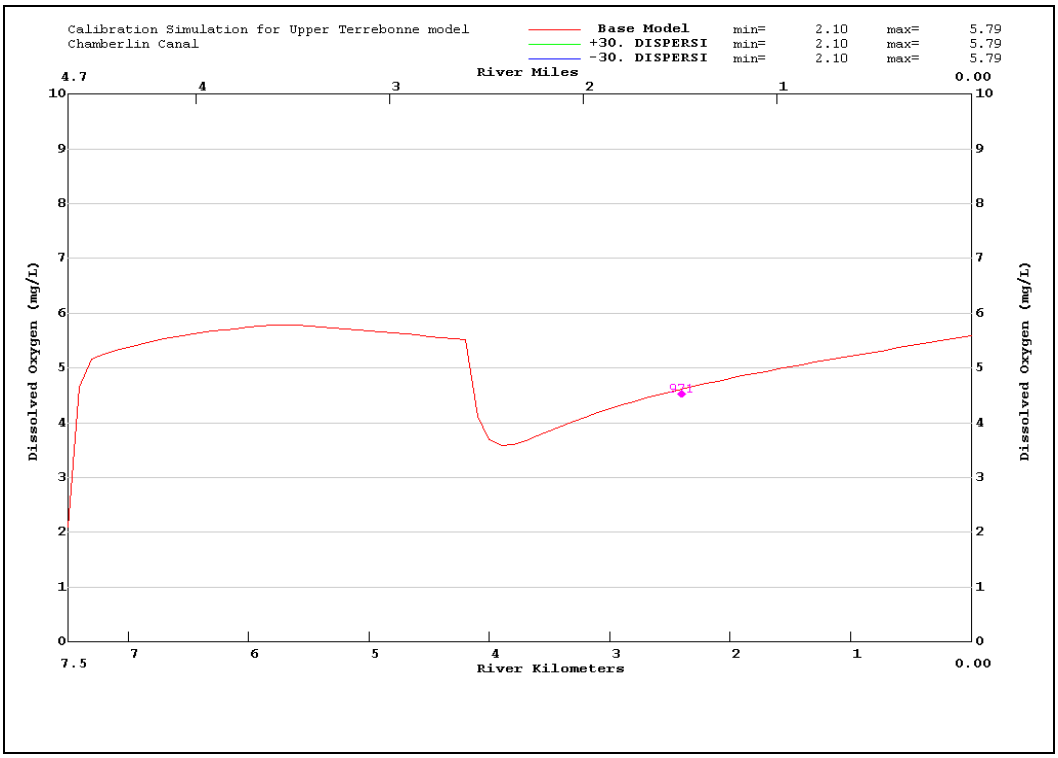

Figure K-33. DO sensitivity results (dispersion) for subsegment 120105.

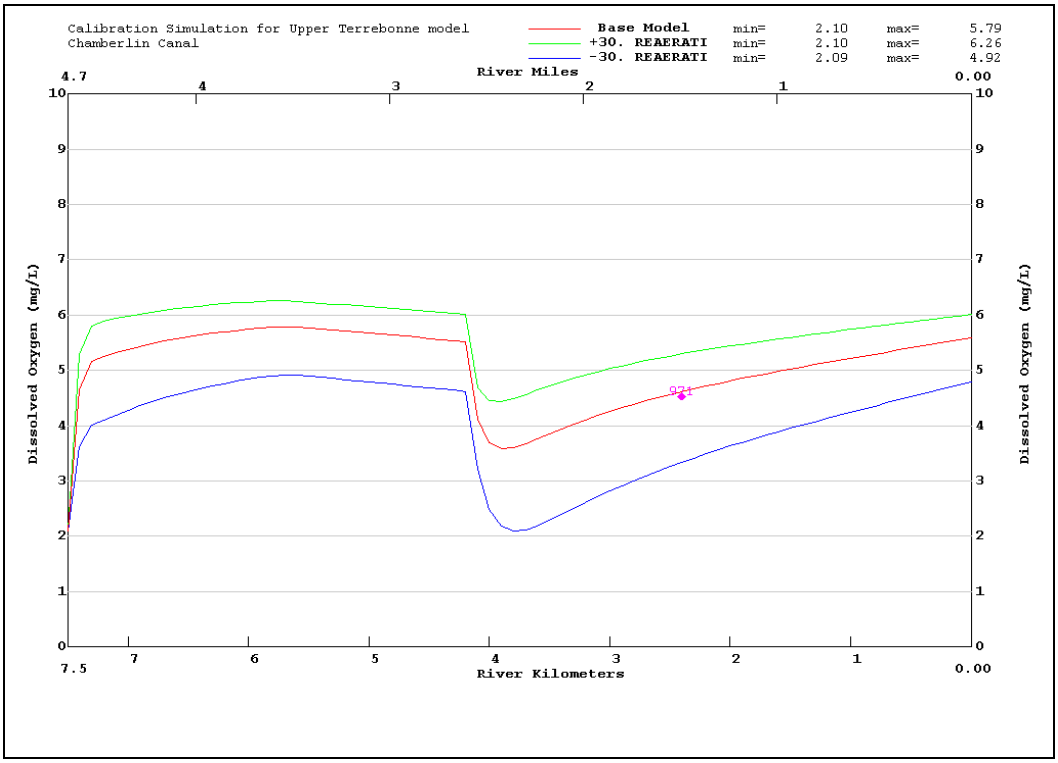

Figure K-34. DO sensitivity results (reaeration) for subsegment 120105.

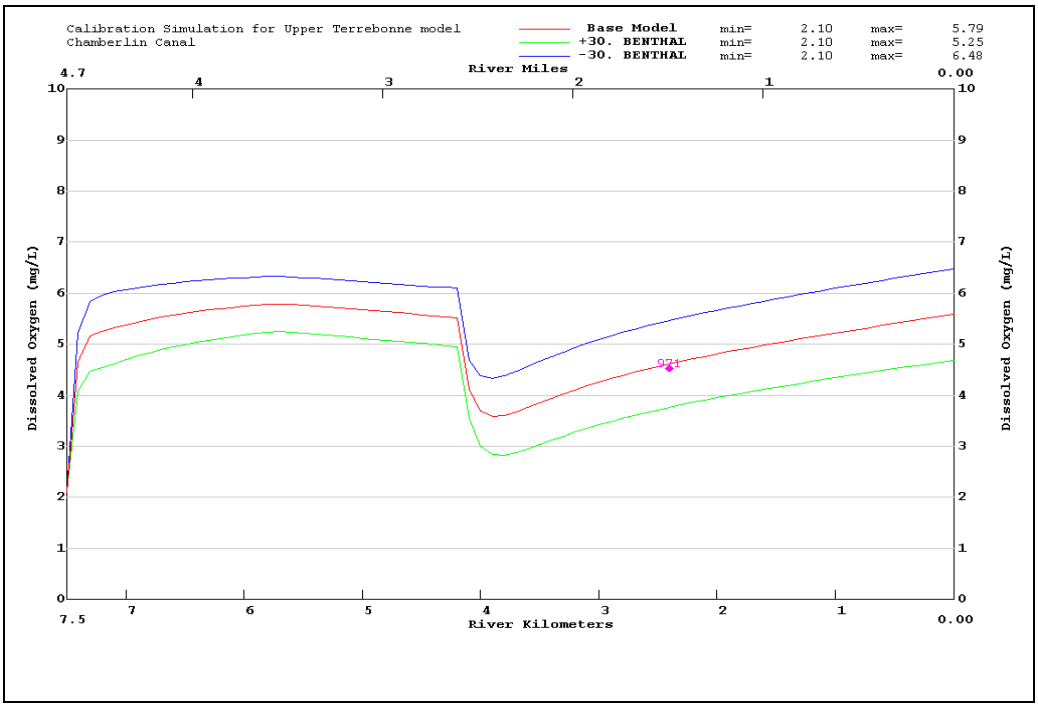

Figure K-35. DO sensitivity results (background SOD) for subsegment 120105.

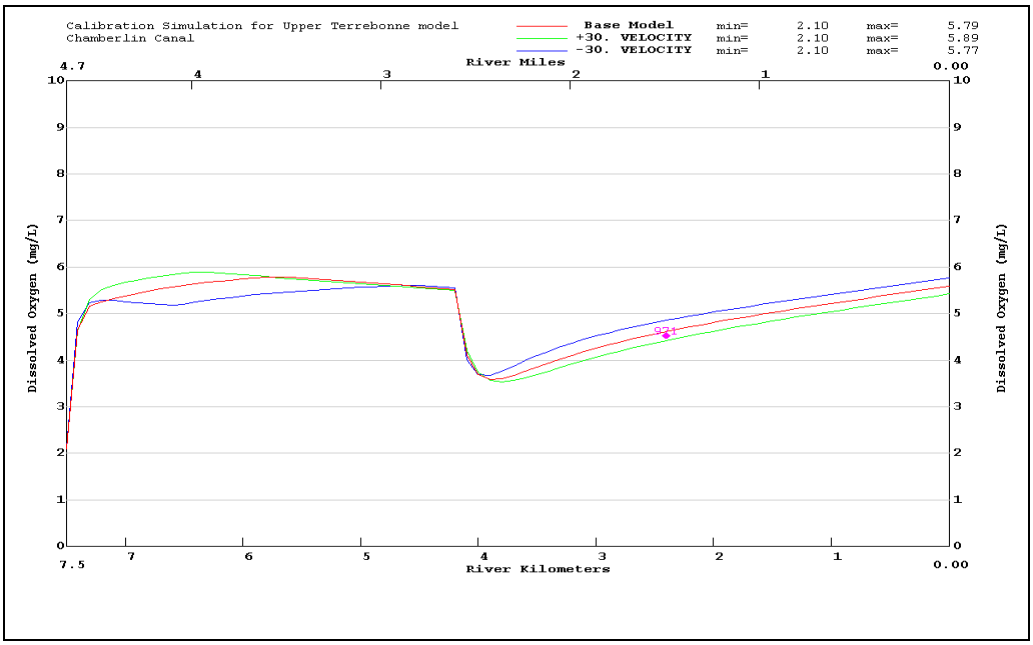

Figure K-36. DO sensitivity results (stream velocity) for subsegment 120105.

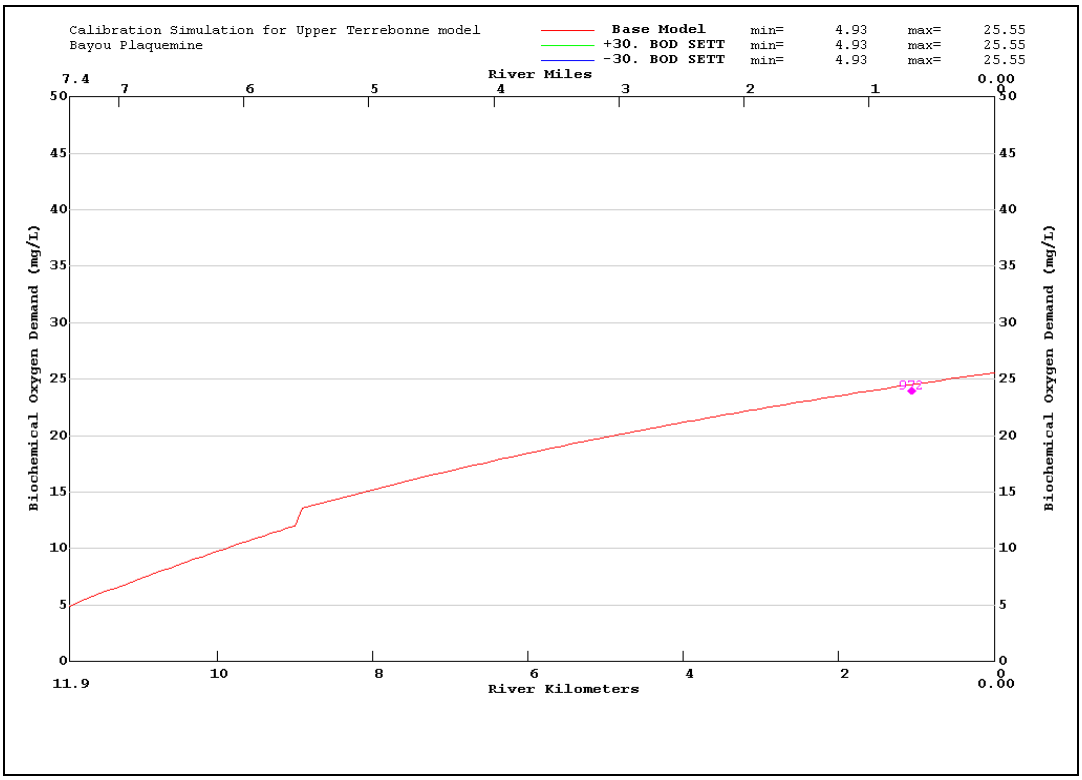

Figure K-37. BOD sensitivity results (BOD settling rate) for subsegment 120106.

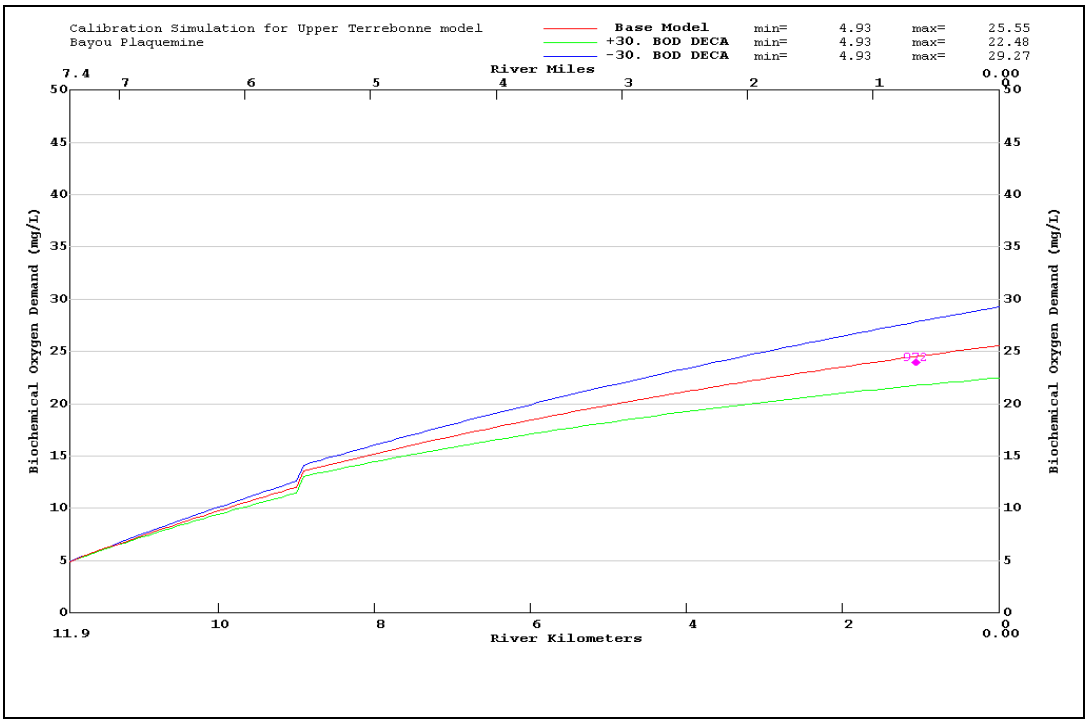

Figure K-38. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120106.

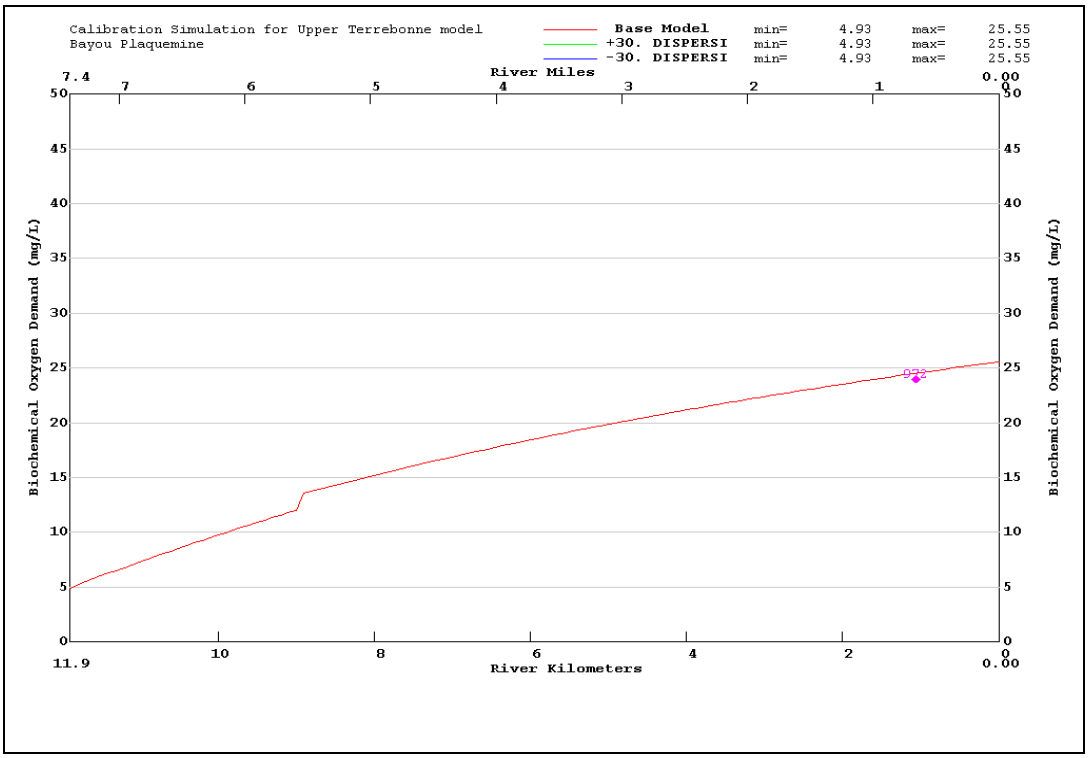

Figure K-39. BOD sensitivity results (dispersion) for subsegment 120106.

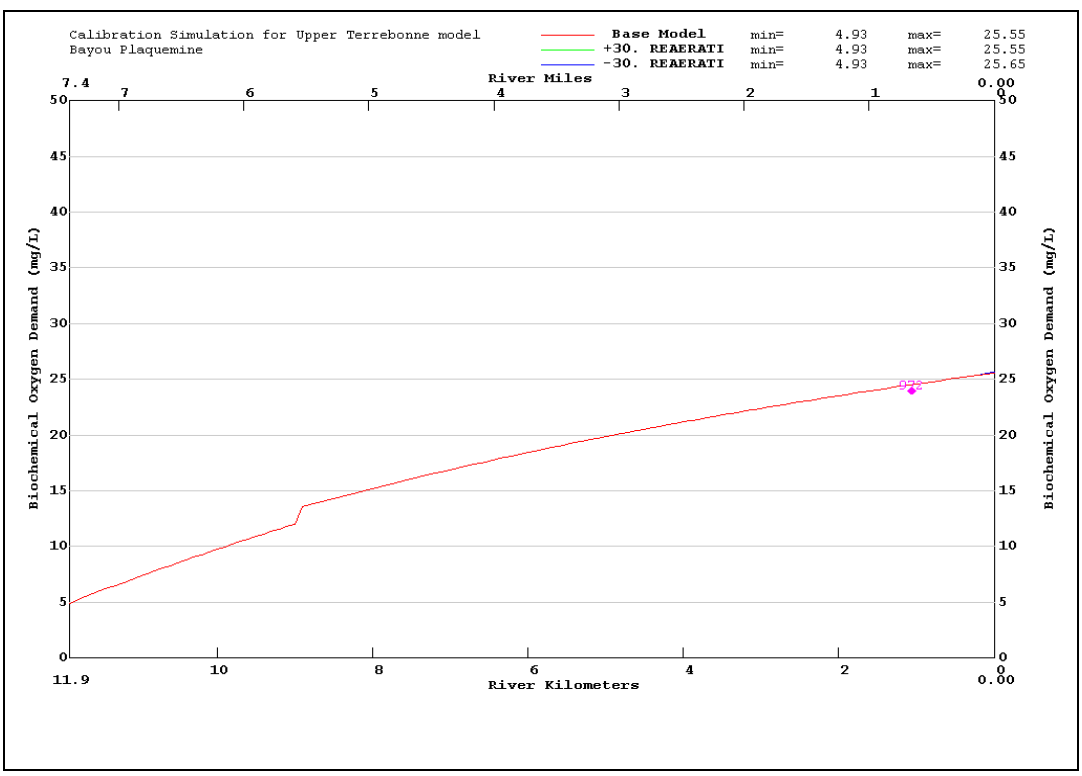

Figure K-40. BOD sensitivity results (reaeration) for subsegment 120106.

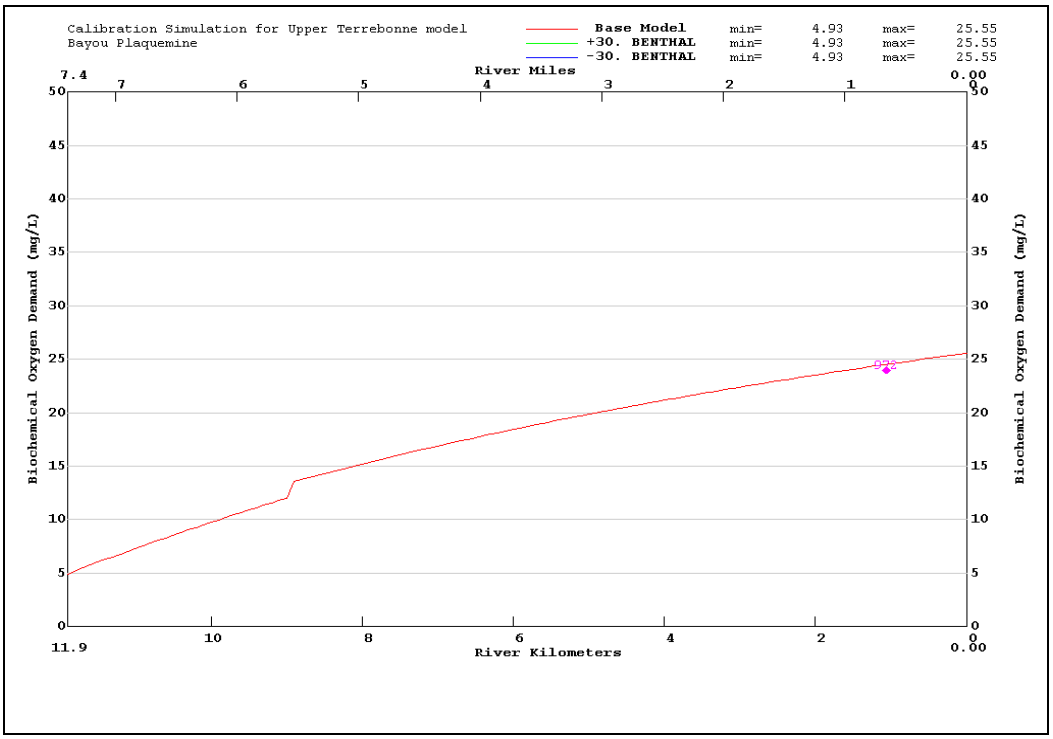

Figure K-41. BOD sensitivity results (background SOD) for subsegment 120106.

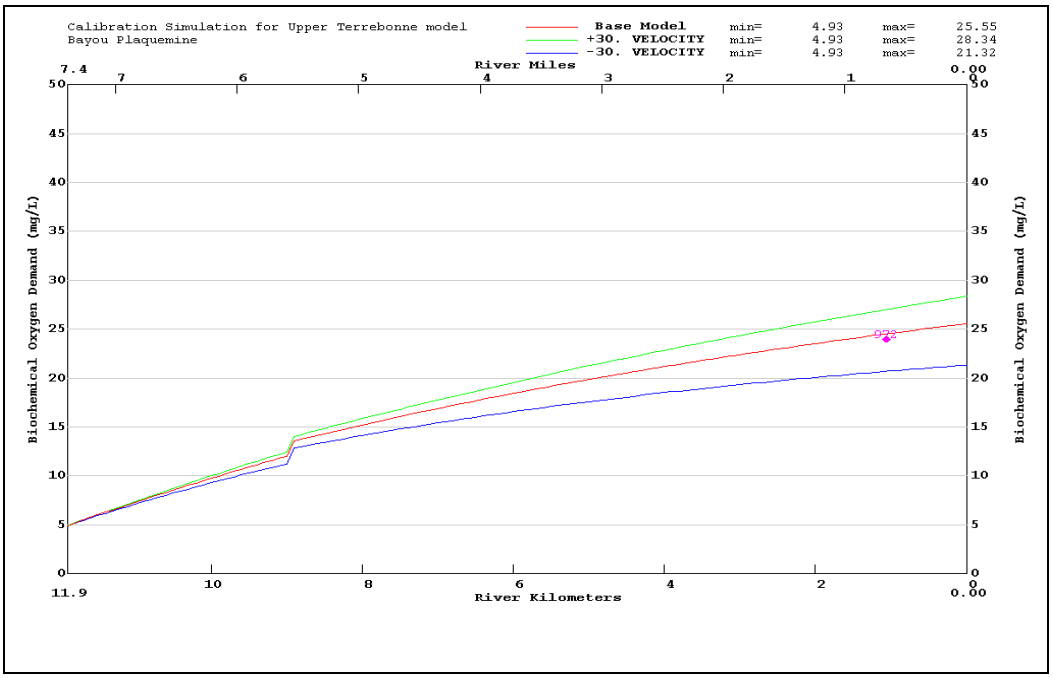

Figure K-42. BOD sensitivity results (stream velocity) for subsegment 120106.

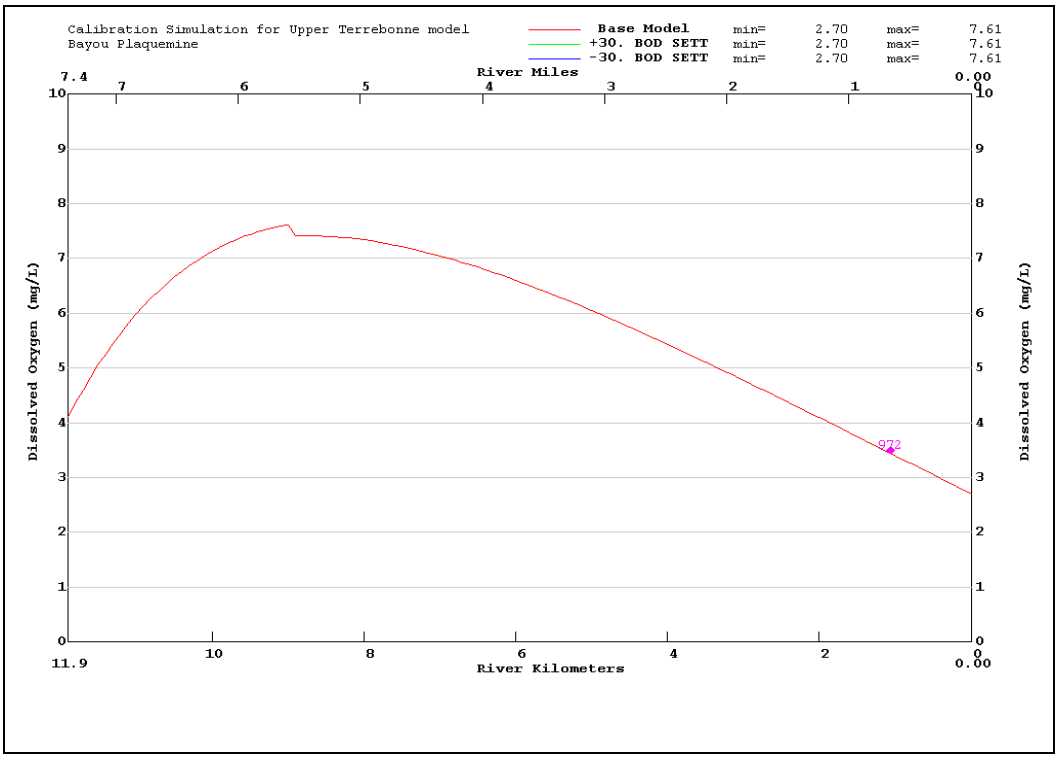

Figure K-43. DO sensitivity results (BOD settling rate) for subsegment 120106.

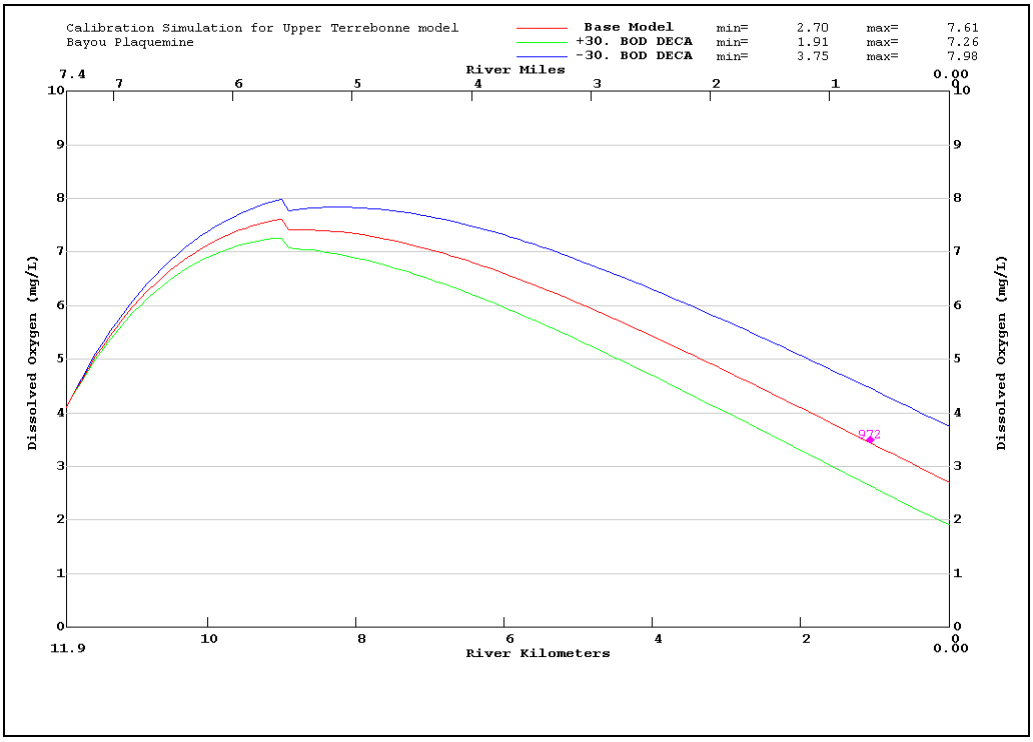

Figure K-44. DO sensitivity results (BOD aerobic decay rate) for subsegment 120106.

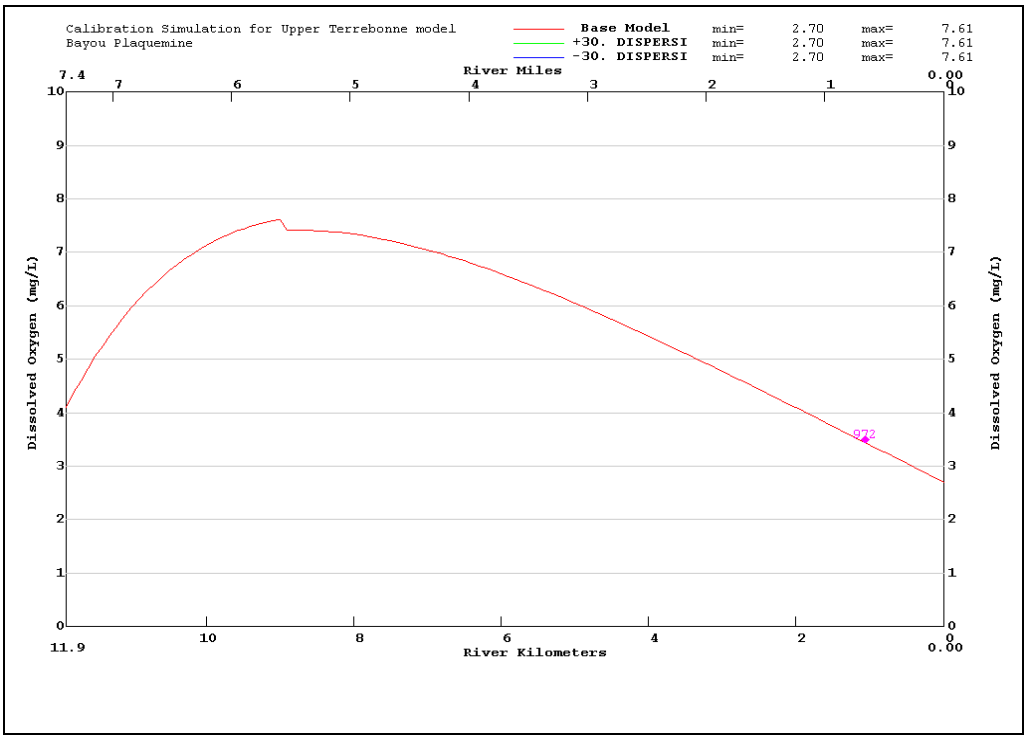

Figure K-45. DO sensitivity results (dispersion) for subsegment 120106.

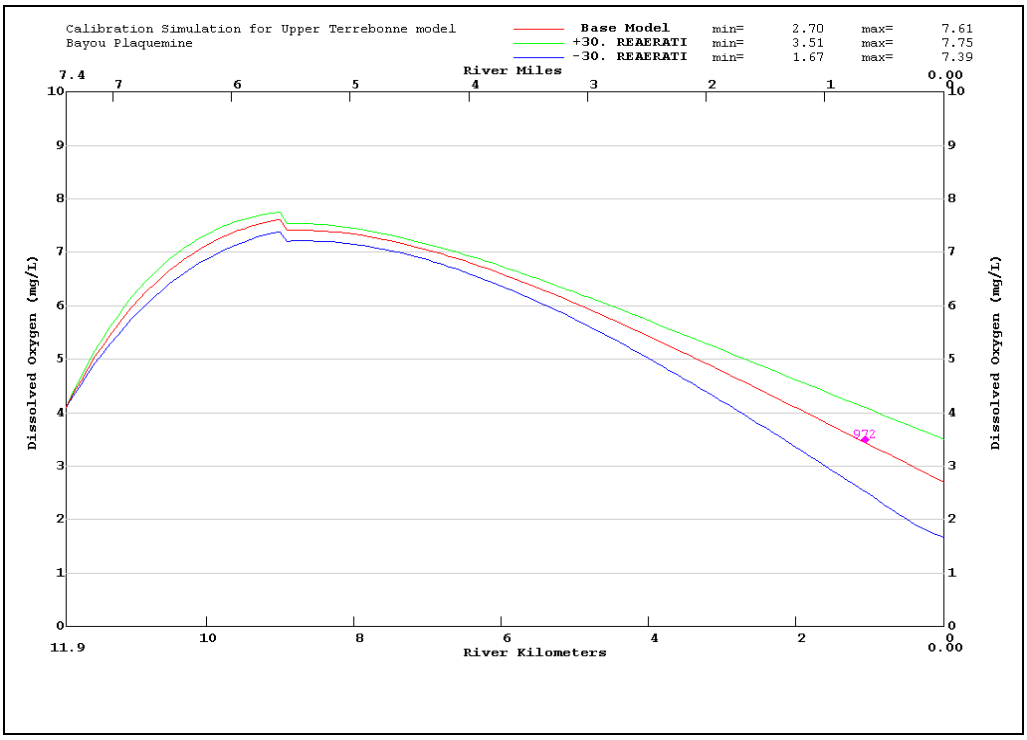

Figure K-46. DO sensitivity results (reaeration) for subsegment 120106.

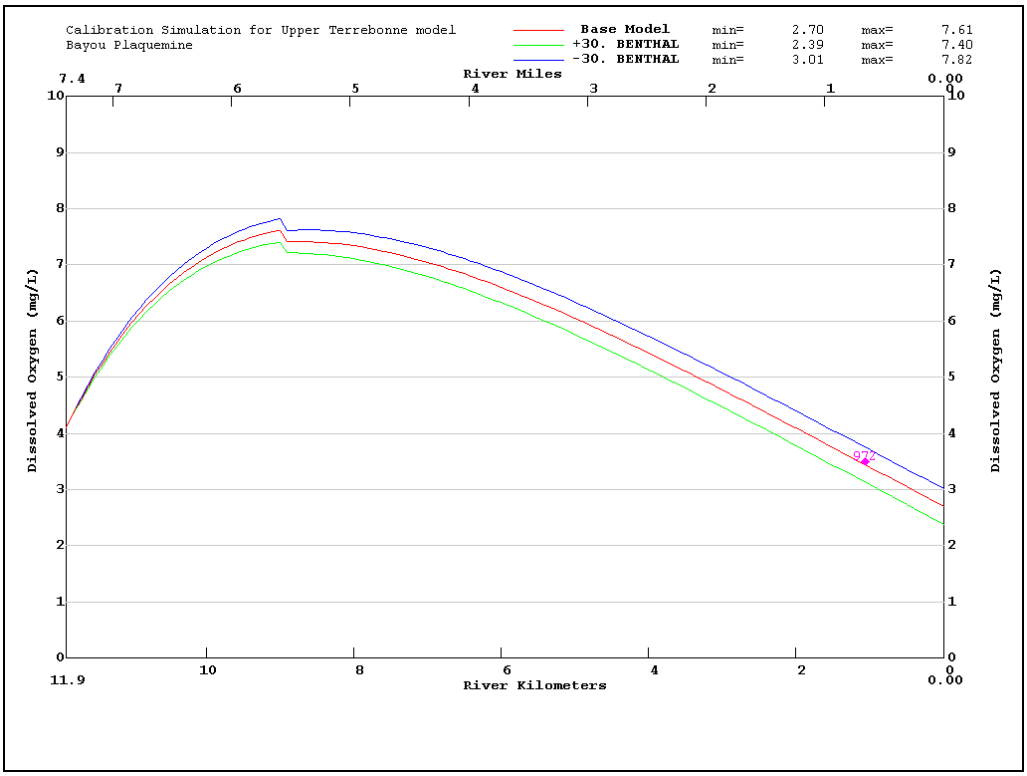

Figure K-47. DO sensitivity results (background SOD) for subsegment 120106.

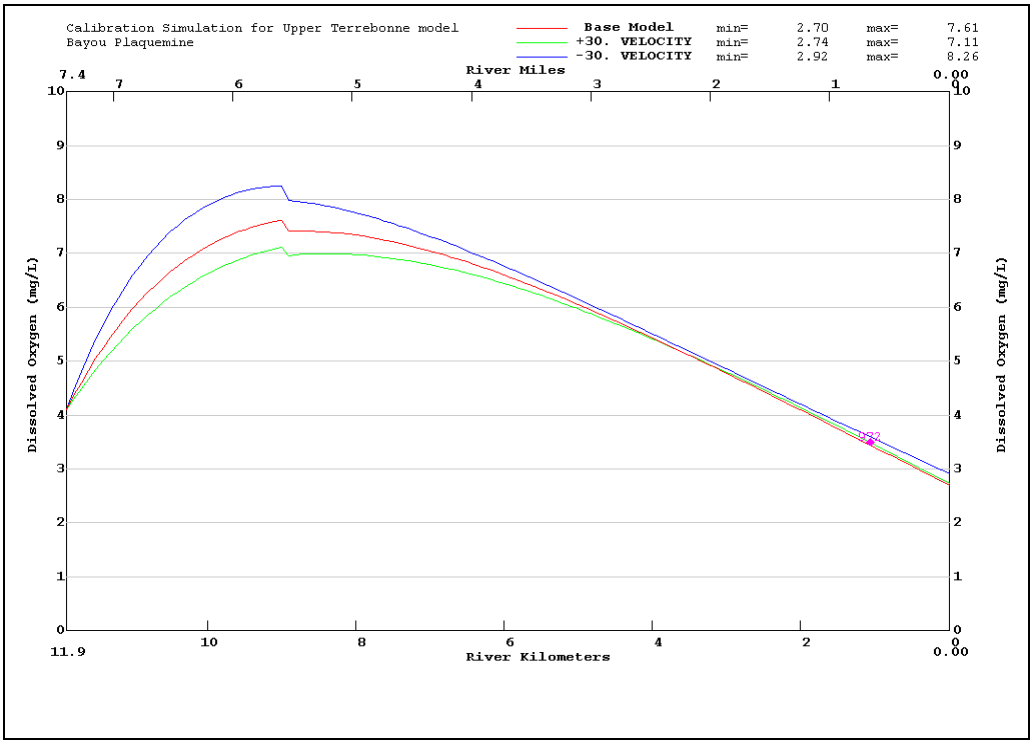

Figure K-48. DO sensitivity results (stream velocity) for subsegment 120106.

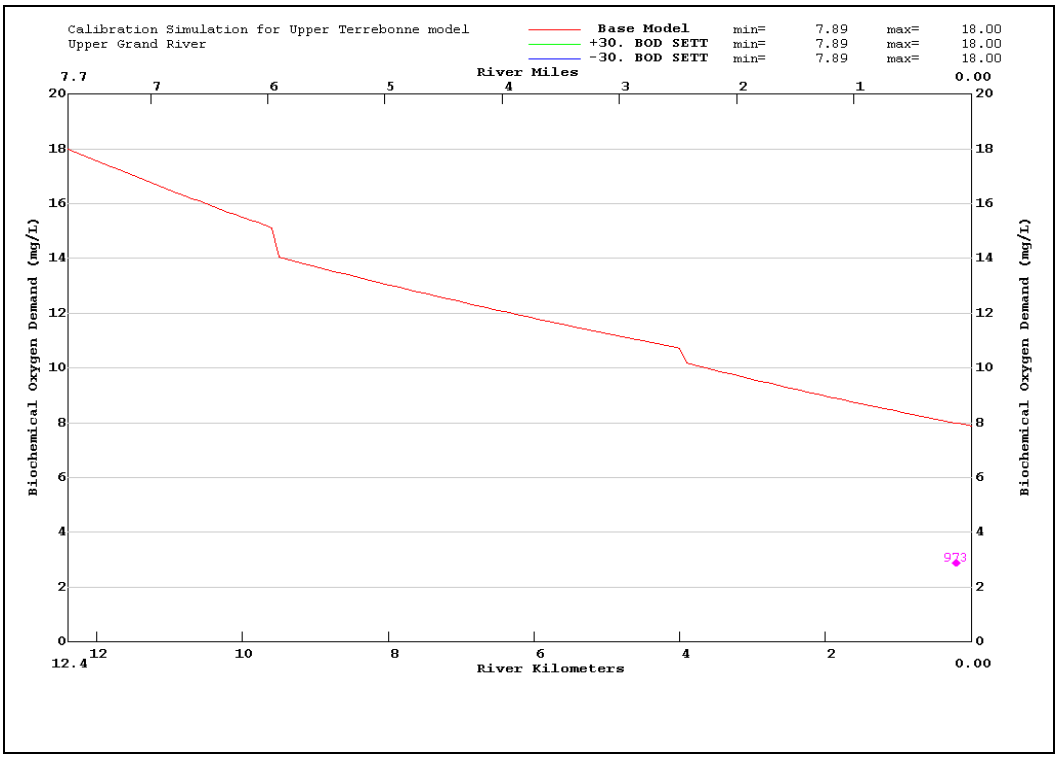

Figure K-49. BOD sensitivity results (BOD settling rate) for subsegment 120107.

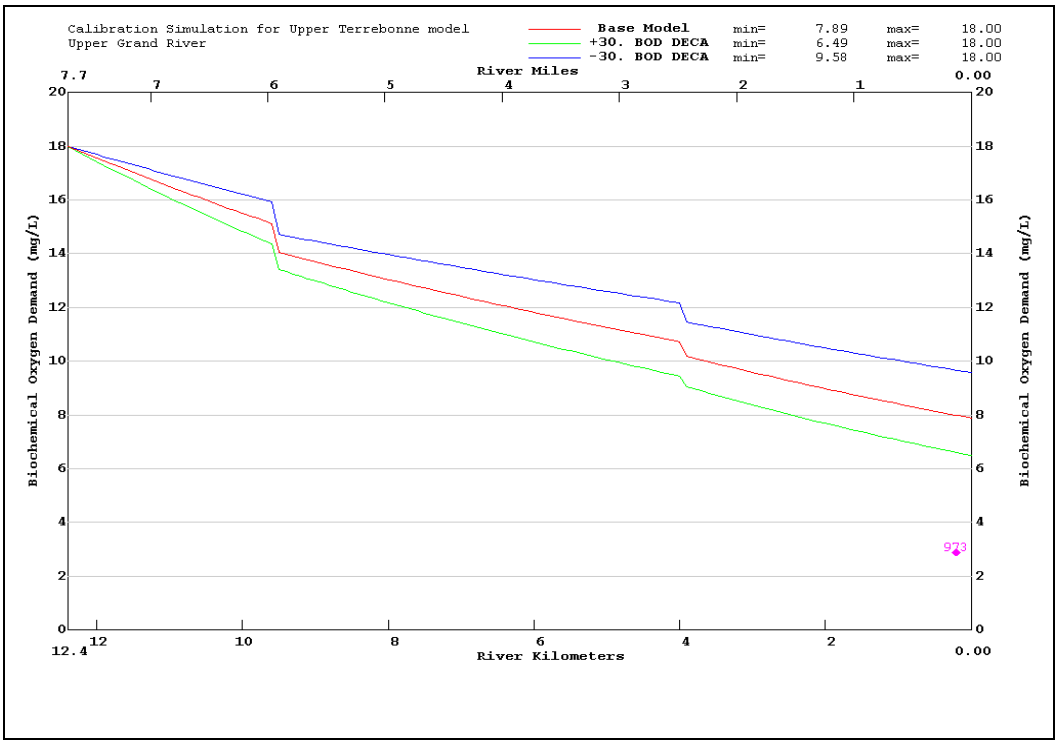

Figure K-50. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120107.

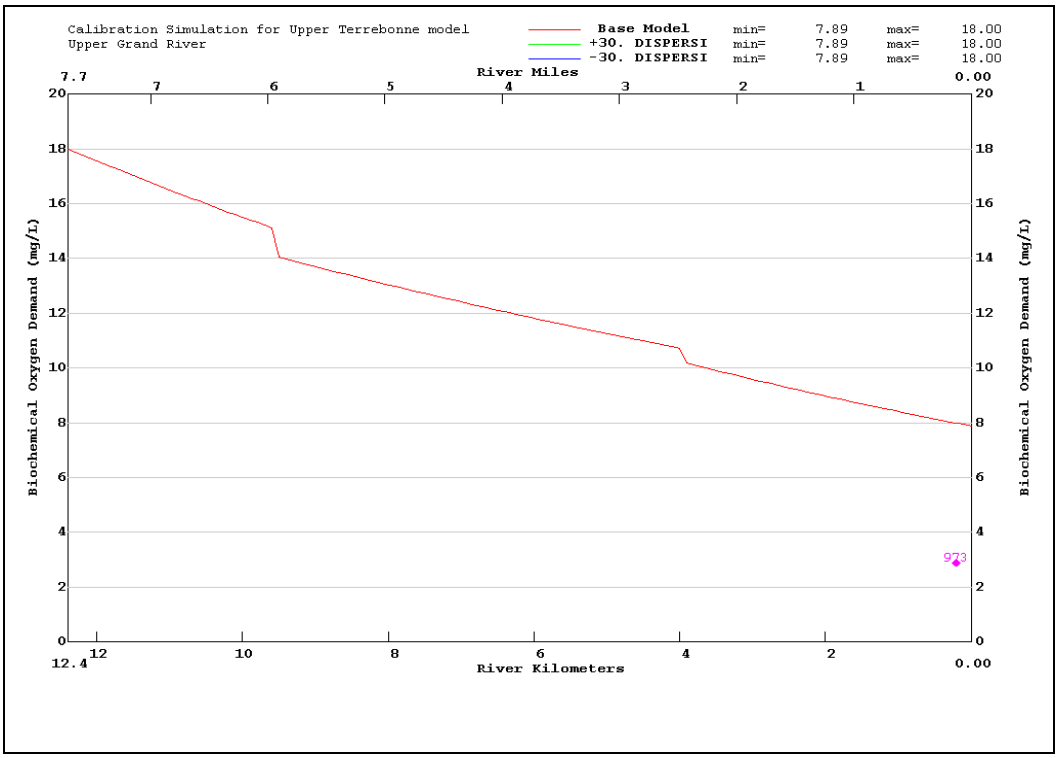

Figure K-51. BOD sensitivity results (dispersion) for subsegment 120107.

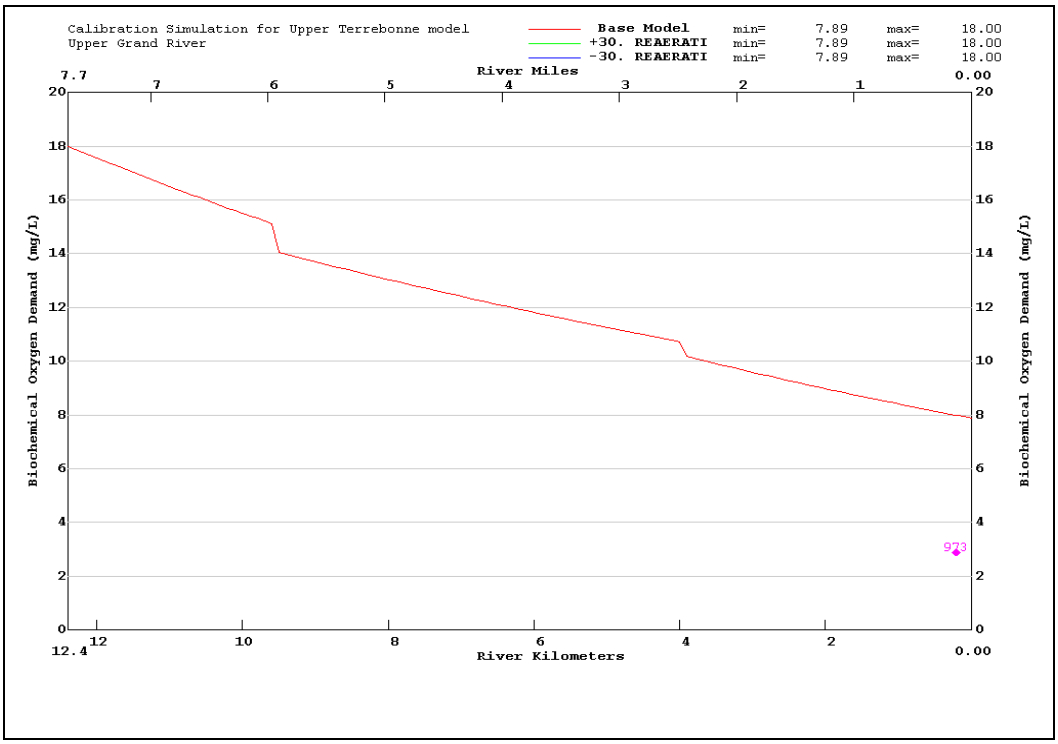

Figure K-52. BOD sensitivity results (reaeration) for subsegment 120107.

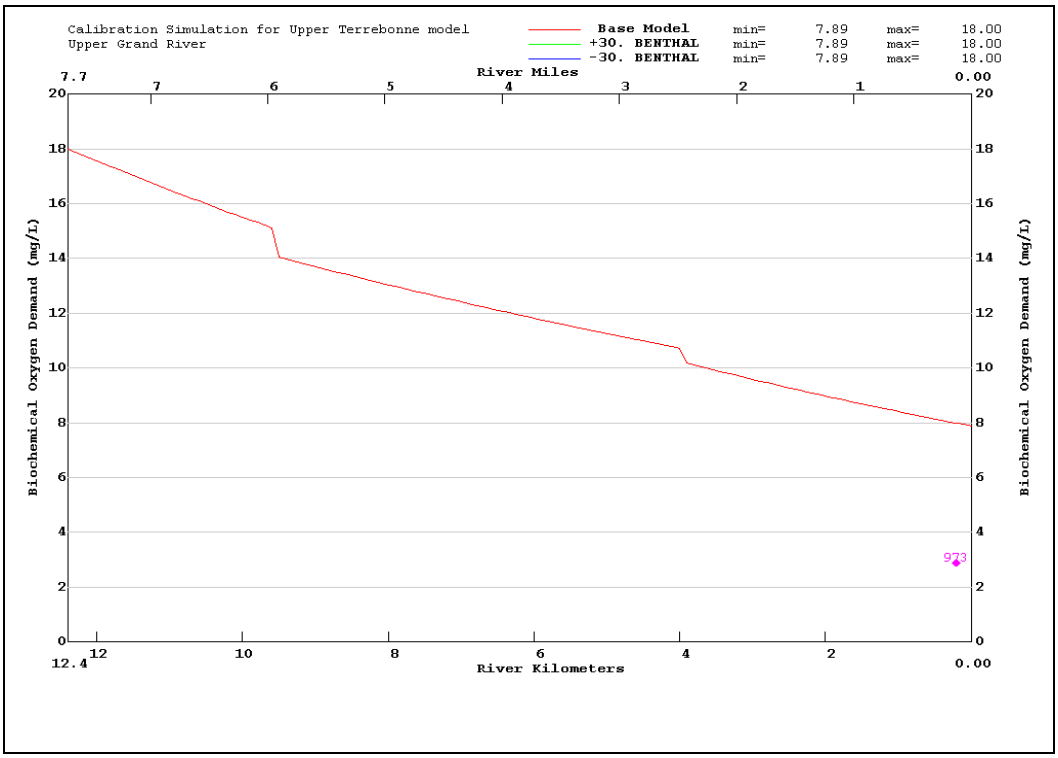

Figure K-53. BOD sensitivity results (background SOD) for subsegment 120107.

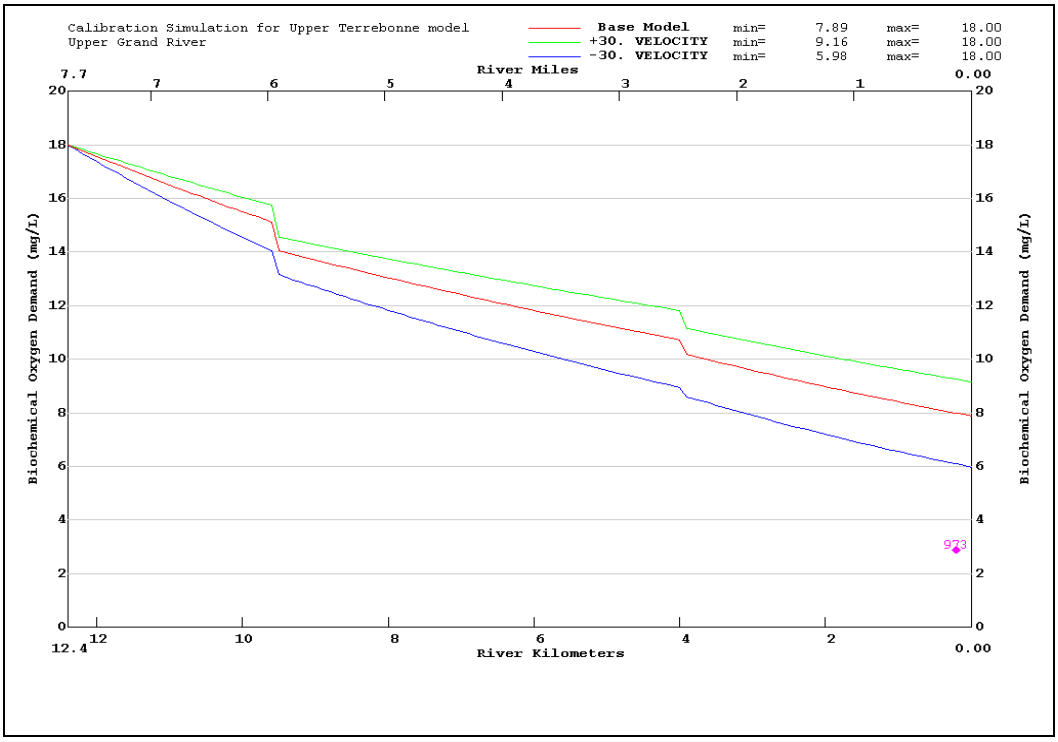

Figure K-54. BOD sensitivity results (stream velocity) for subsegment 120107.

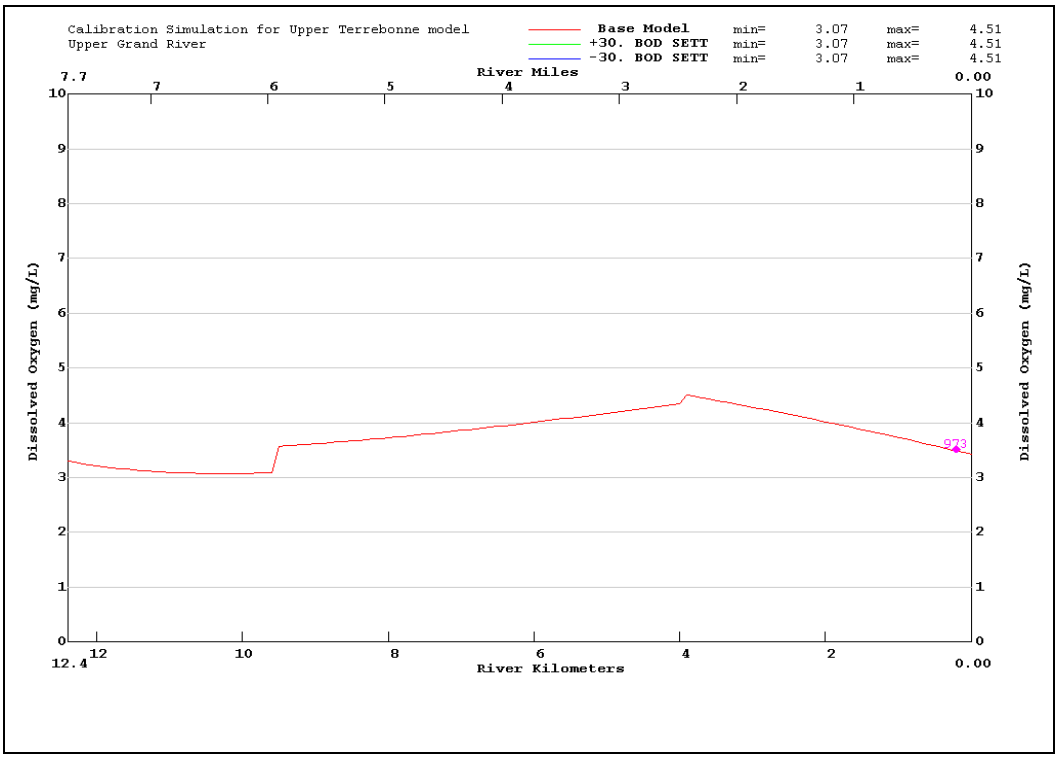

Figure K-55. DO sensitivity results (BOD settling rate) for subsegment 120107.

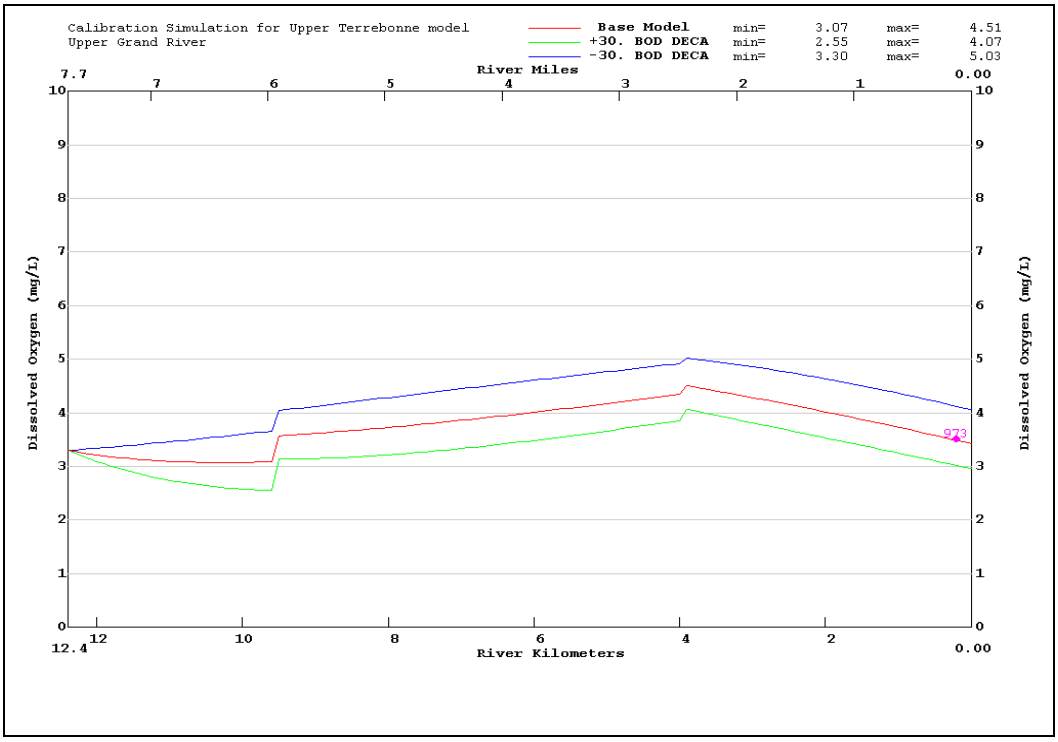

Figure K-56. DO sensitivity results (BOD aerobic decay rate) for subsegment 120107.

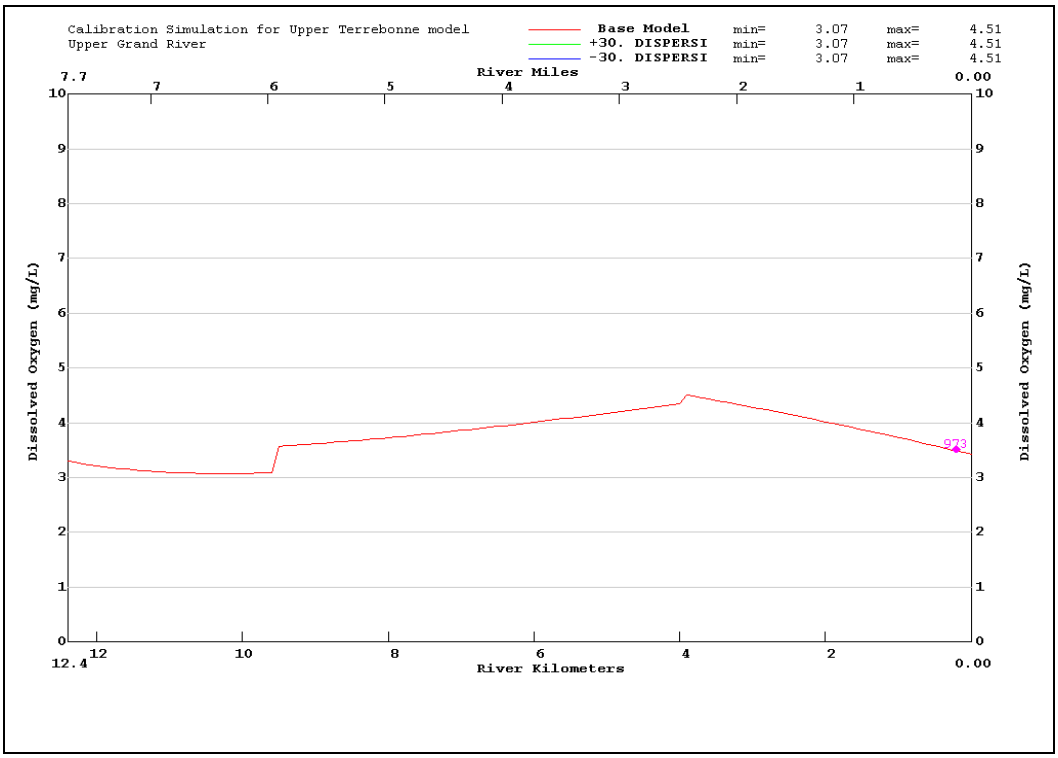

Figure K-57. DO sensitivity results (dispersion) for subsegment 120107.

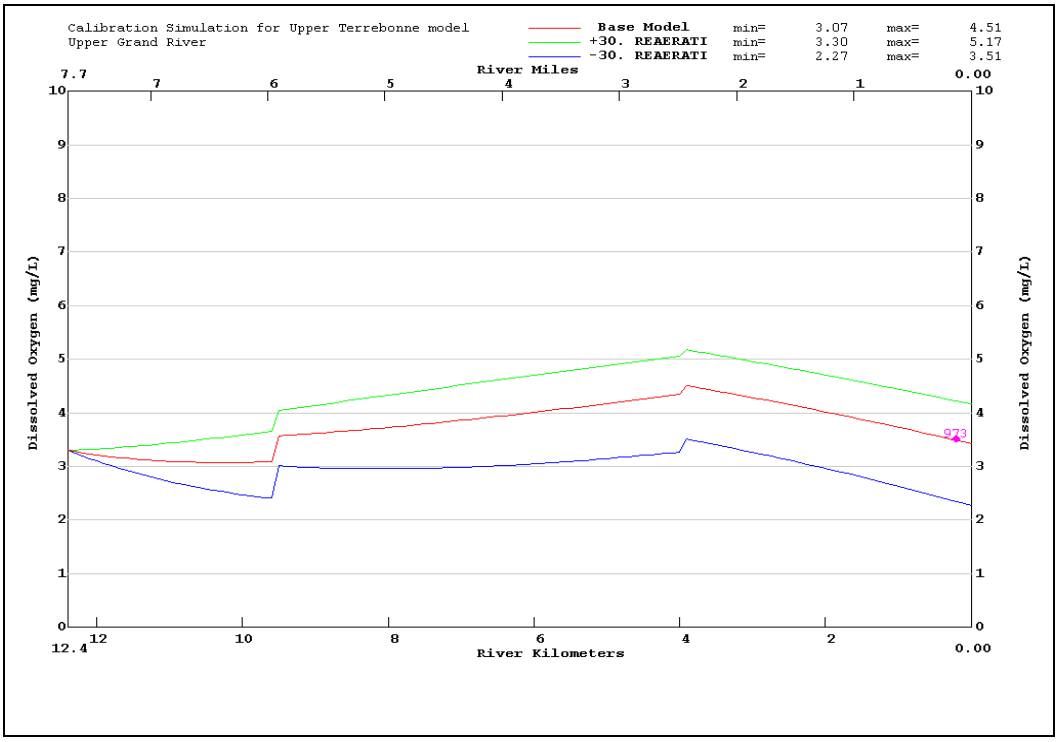

Figure K-58. DO sensitivity results (reaeration) for subsegment 120107.

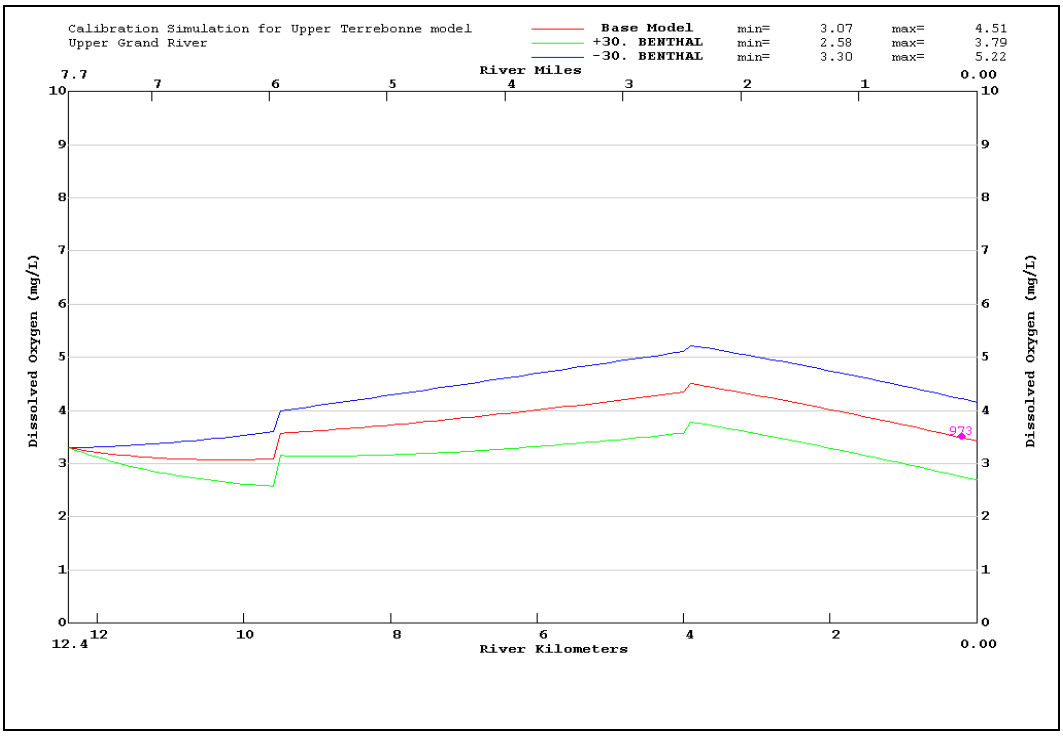

Figure K-59. DO sensitivity results (background SOD) for subsegment 120107.

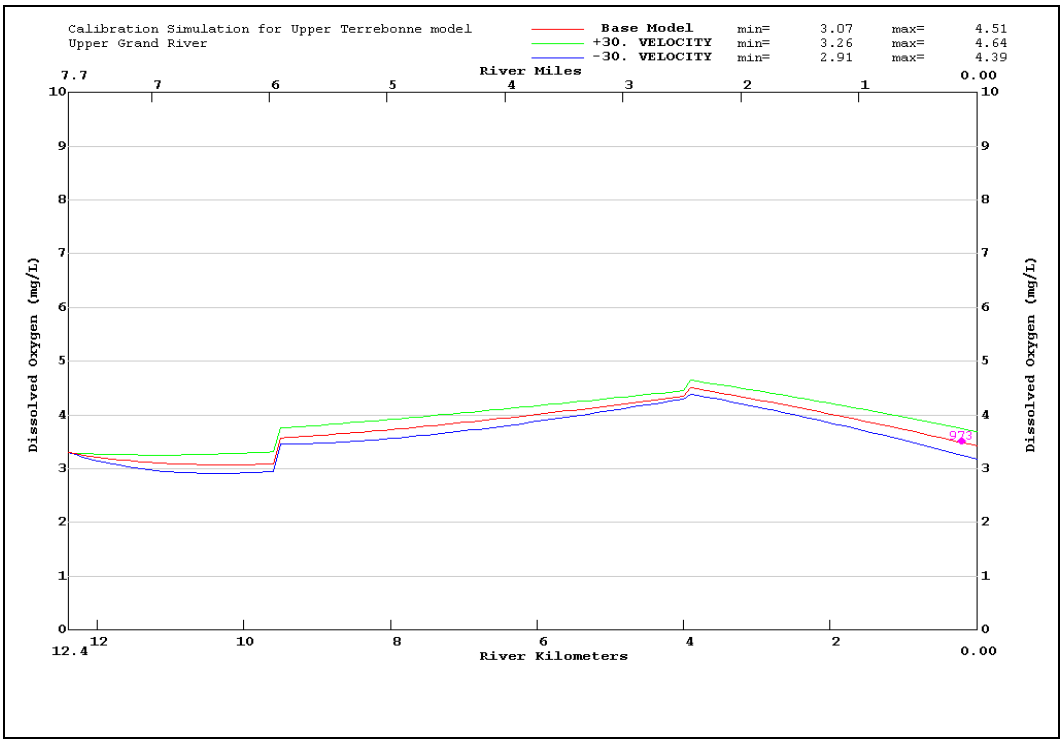

Figure K-60. DO sensitivity results (stream velocity) for subsegment 120107.

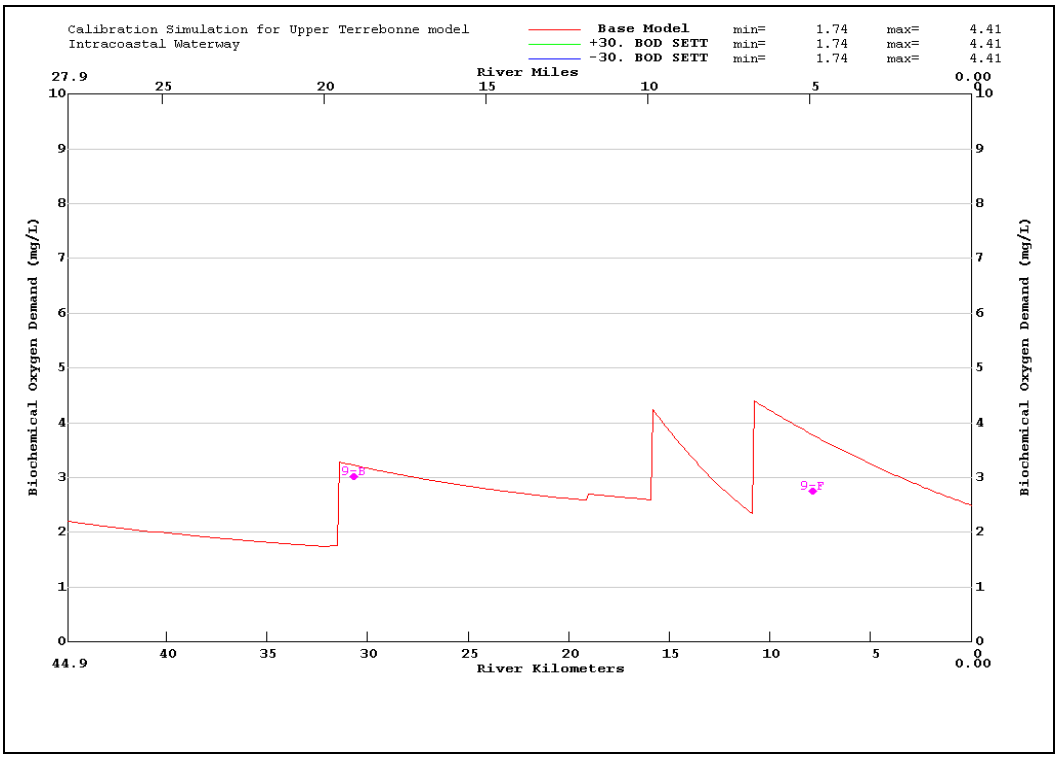

Figure K-61. BOD sensitivity results (BOD settling rate) for subsegment 120109.

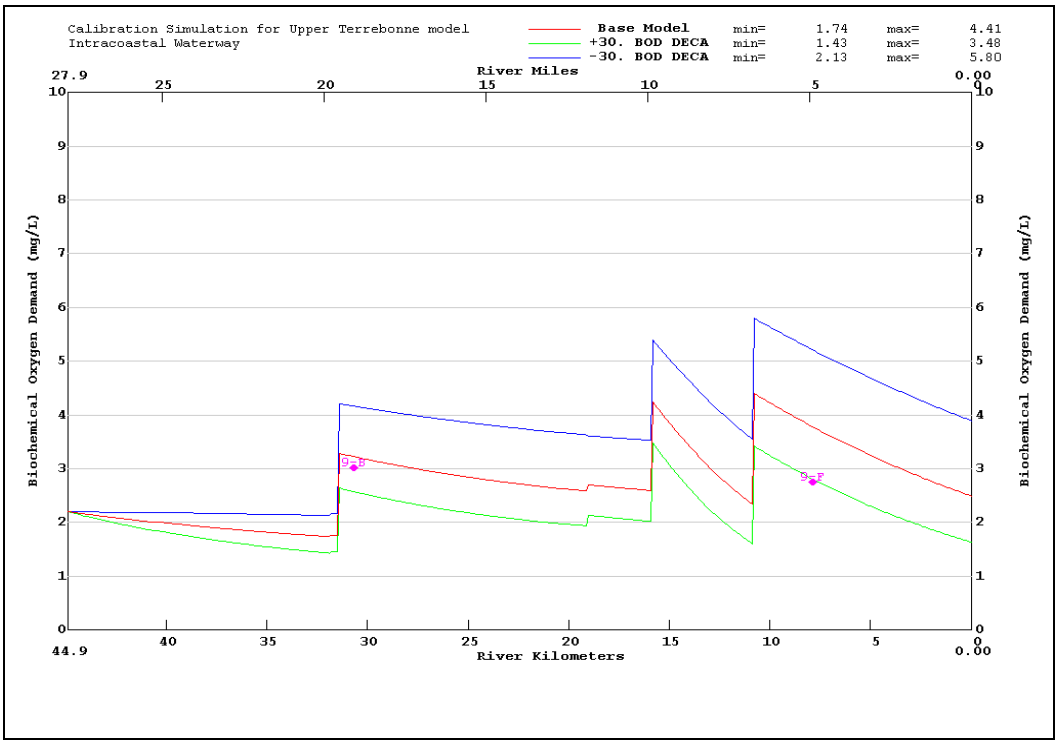

Figure K-62. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120109.

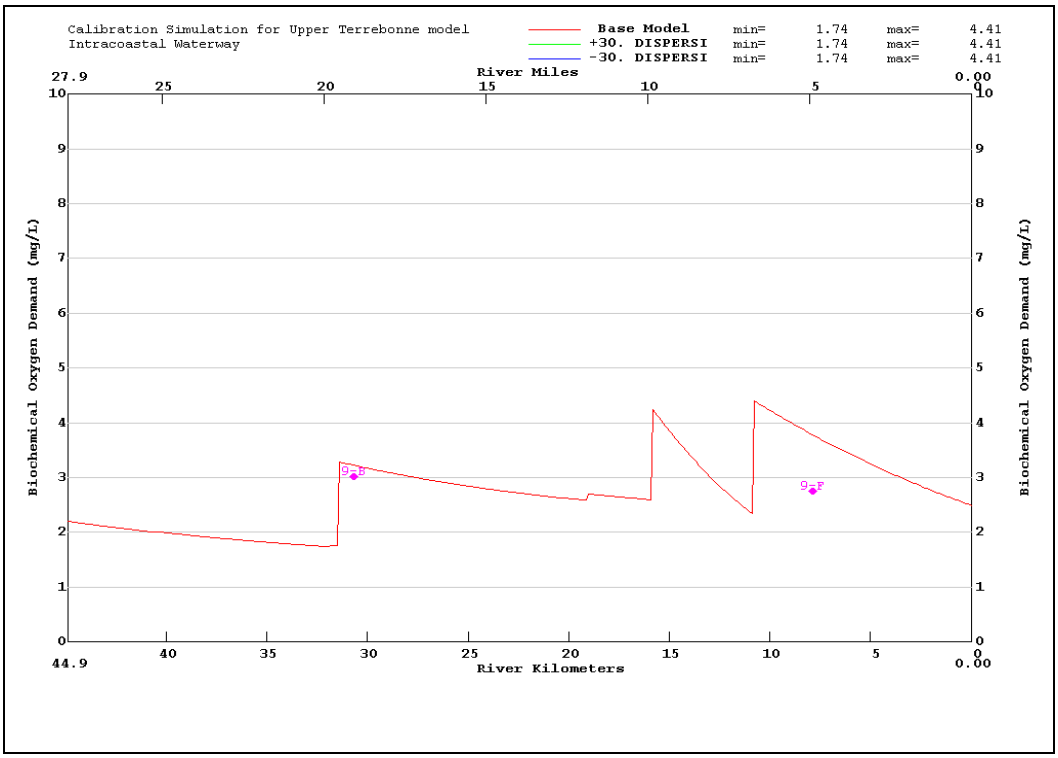

Figure K-63. BOD sensitivity results (dispersion) for subsegment 120109.

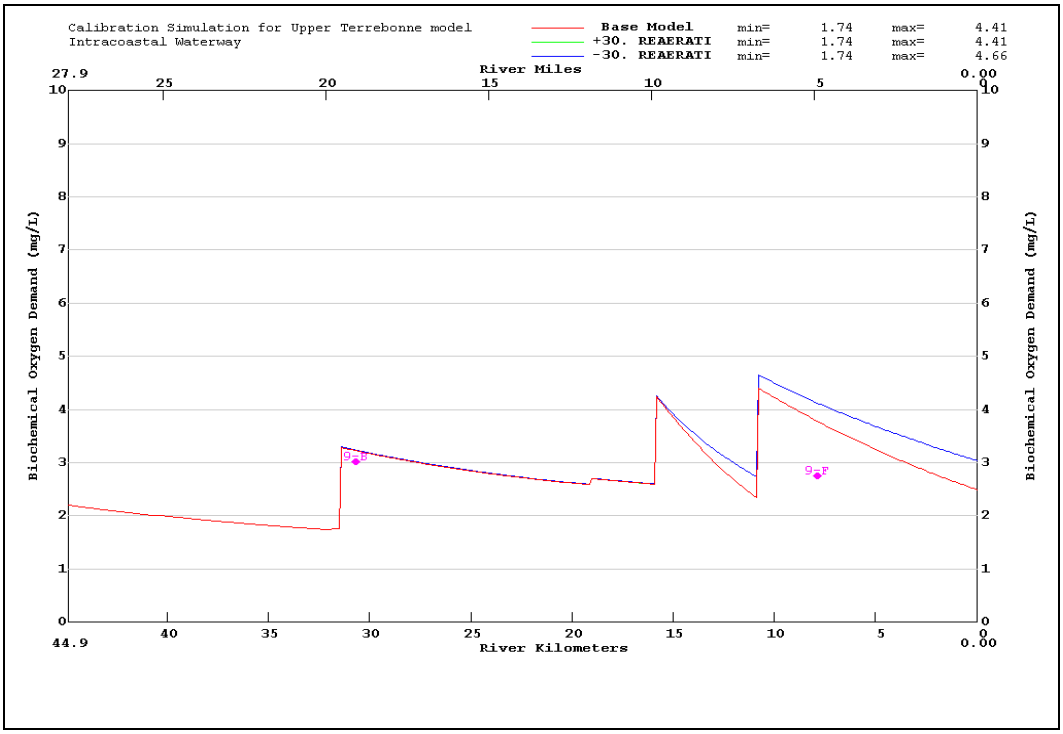

Figure K-64. BOD sensitivity results (reaeration) for subsegment 120109.

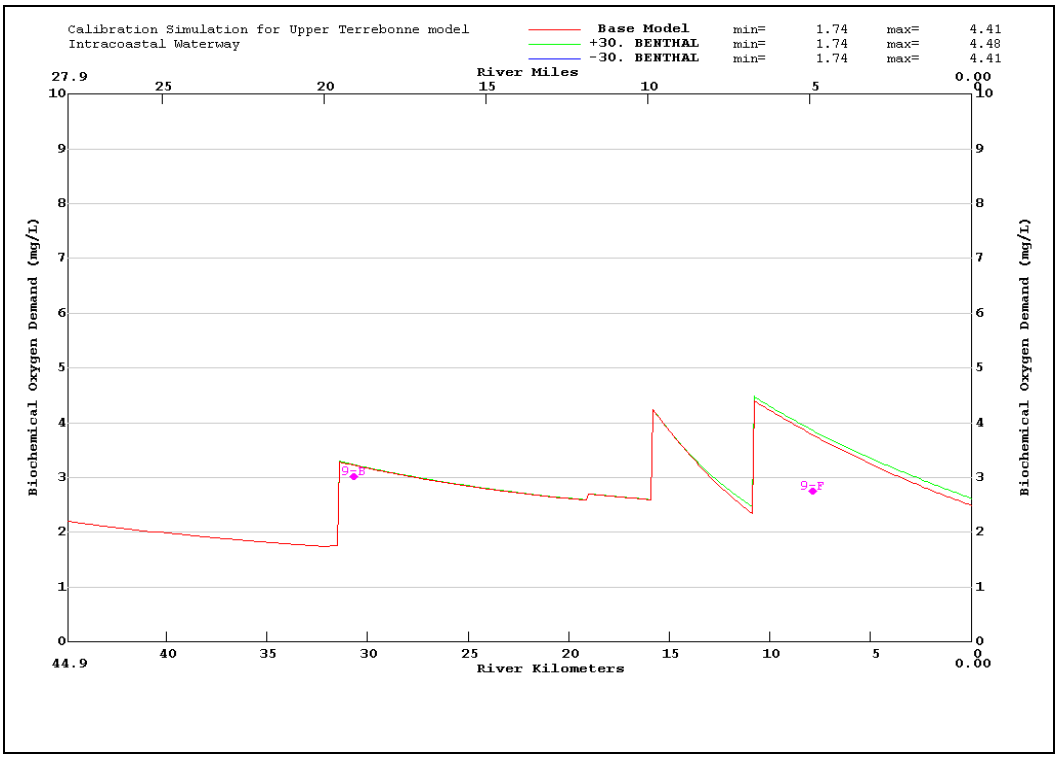

Figure K-65. BOD sensitivity results (background SOD) for subsegment 120109.

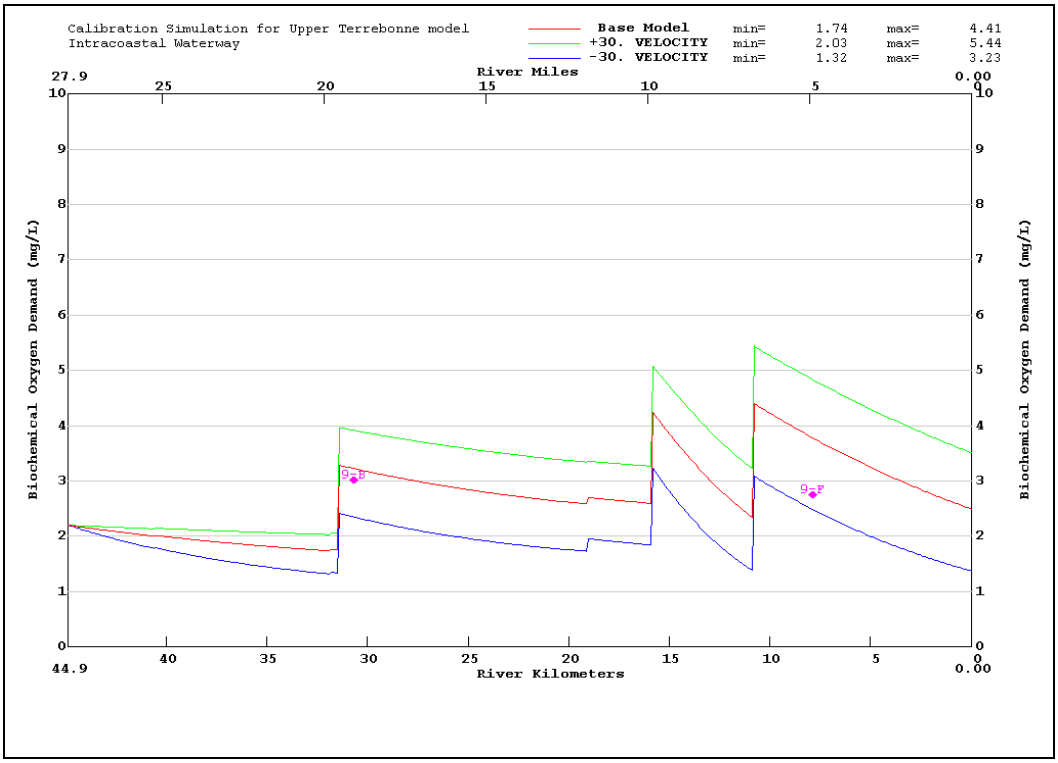

Figure K-66. BOD sensitivity results (stream velocity) for subsegment 120109.

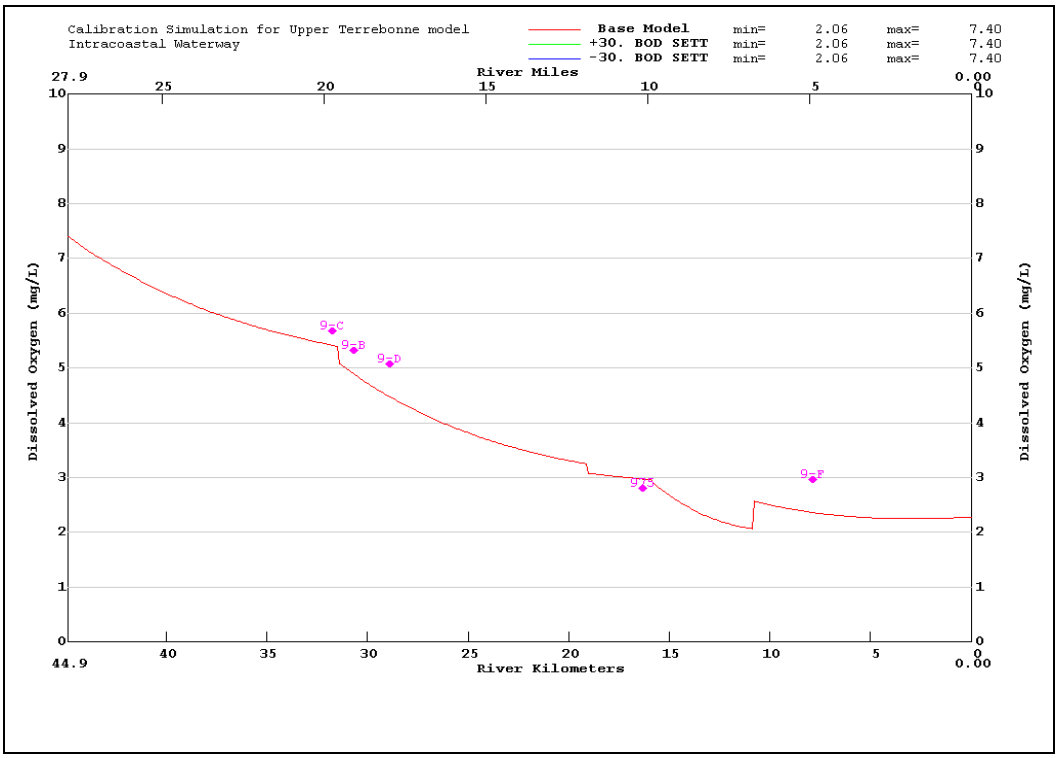

Figure K-67. DO sensitivity results (BOD settling rate) for subsegment 120109.

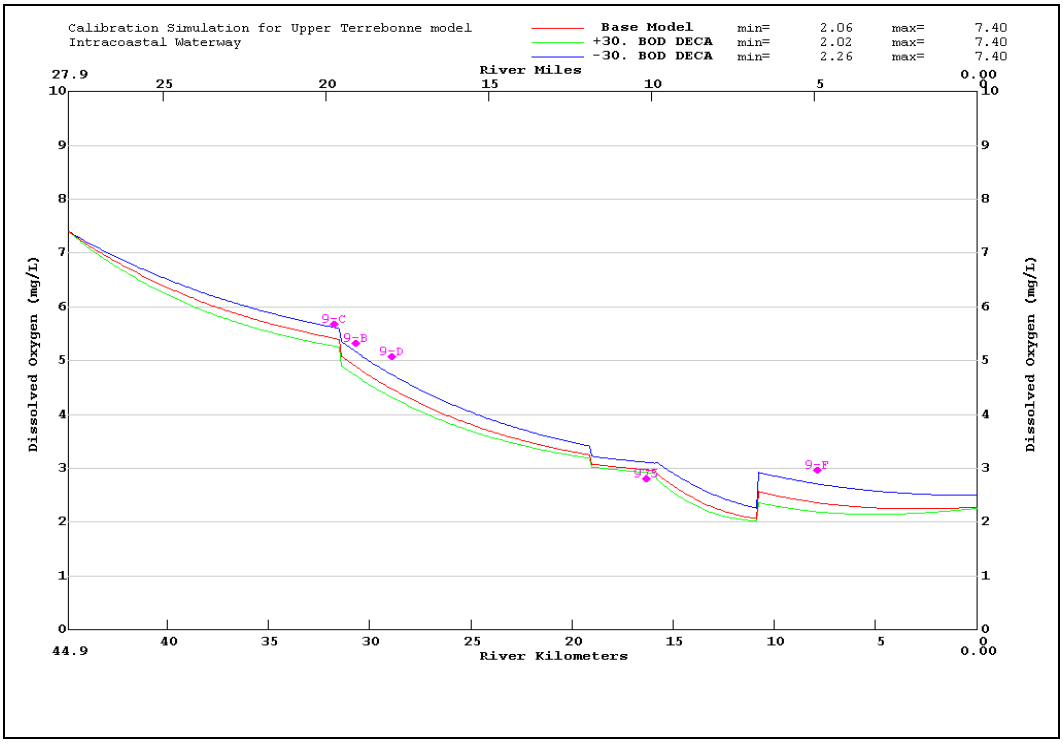

Figure K-68. DO sensitivity results (BOD aerobic decay rate) for subsegment 120109.

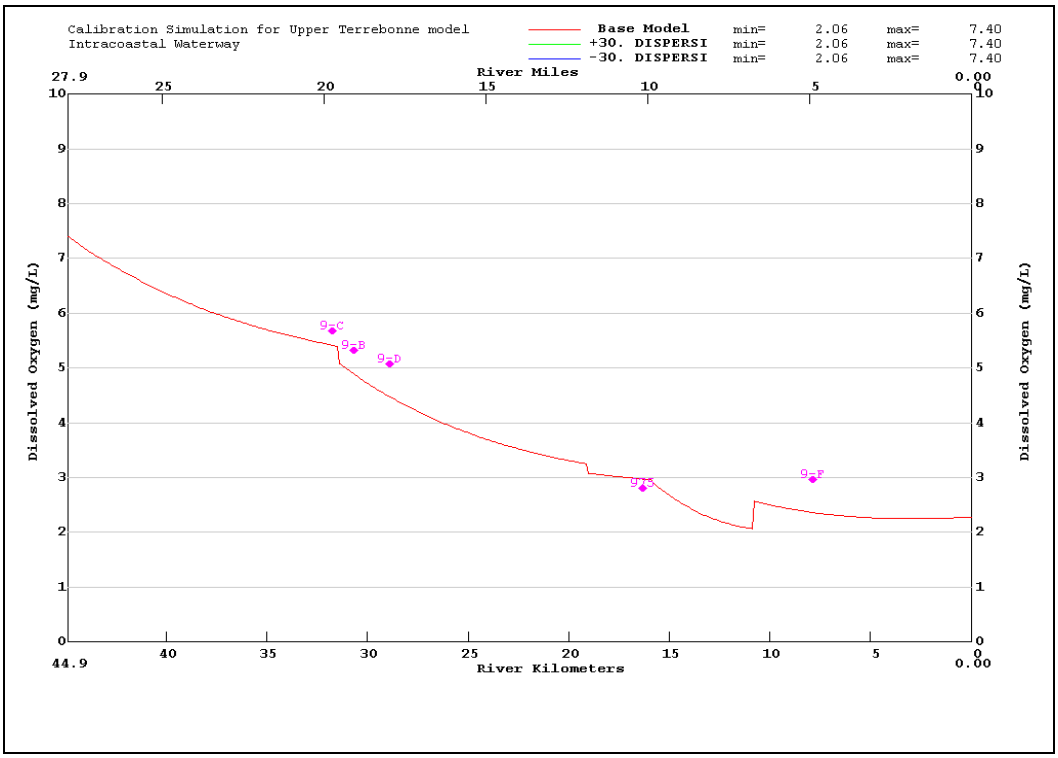

Figure K-69. DO sensitivity results (dispersion) for subsegment 120109.

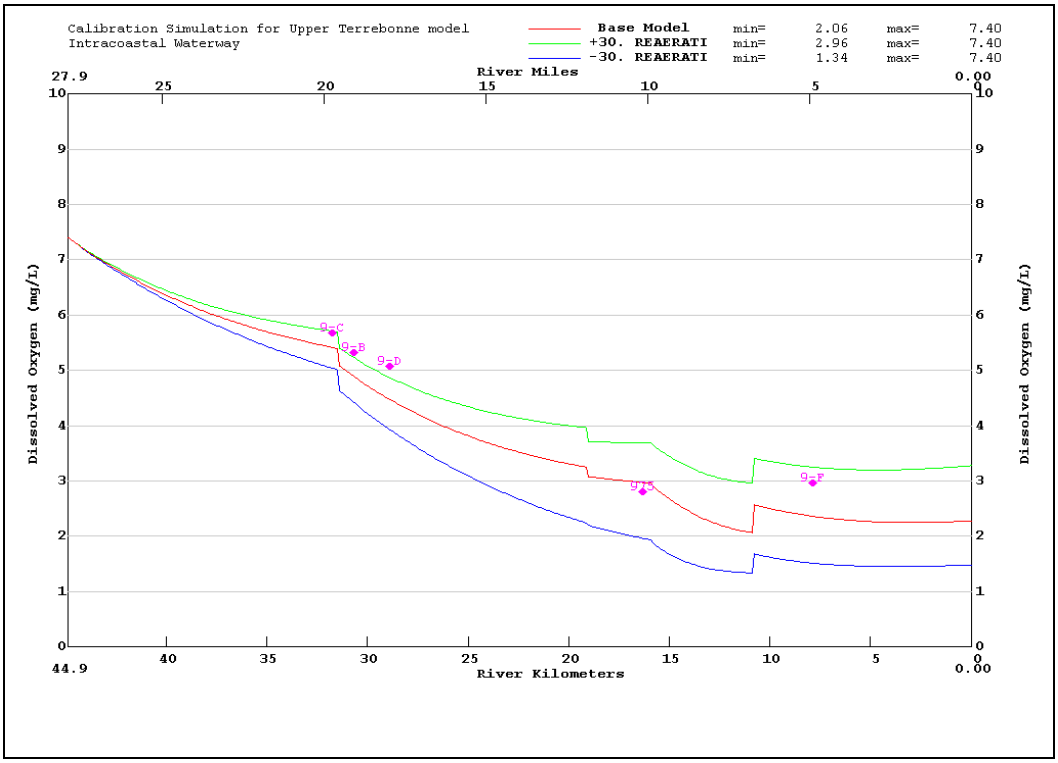

Figure K-70. DO sensitivity results (reaeration) for subsegment 120109.

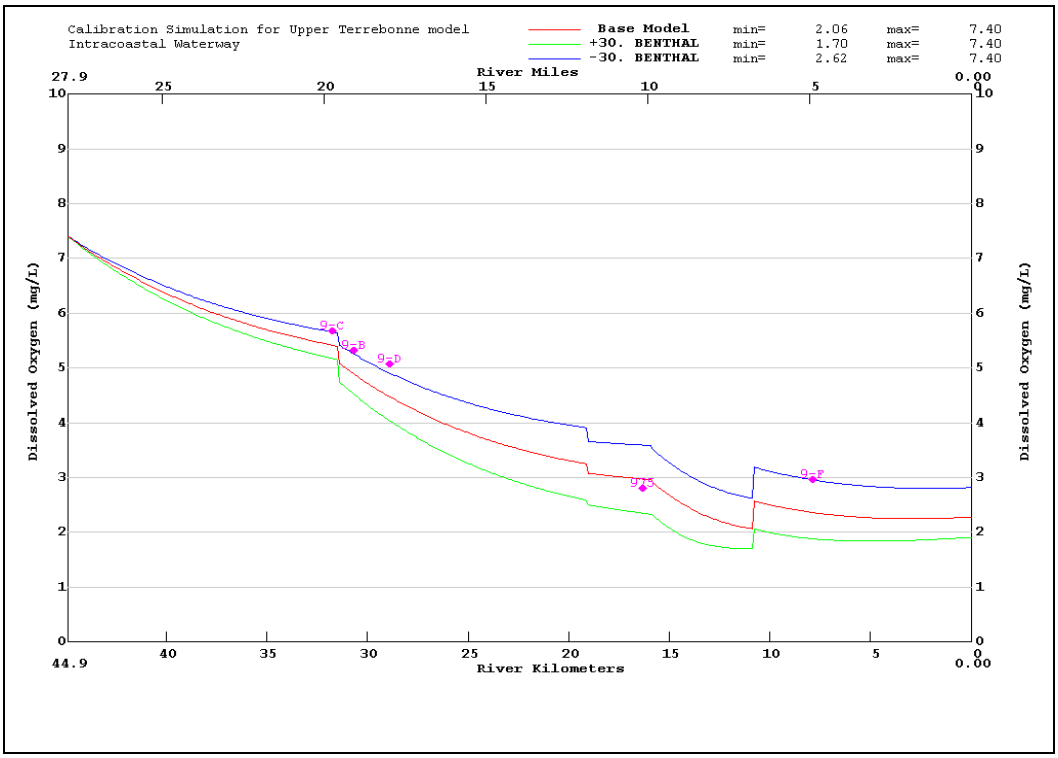

Figure K-71. DO sensitivity results (background SOD) for subsegment 120109.

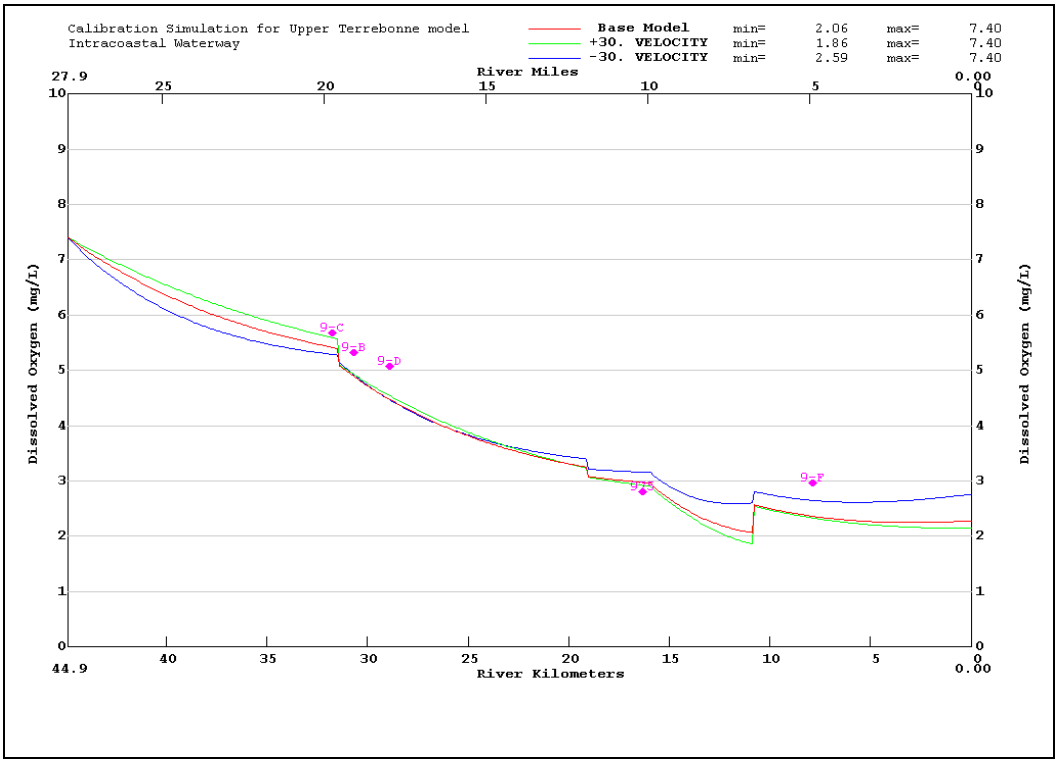

Figure K-72. DO sensitivity results (stream velocity) for subsegment 120109.

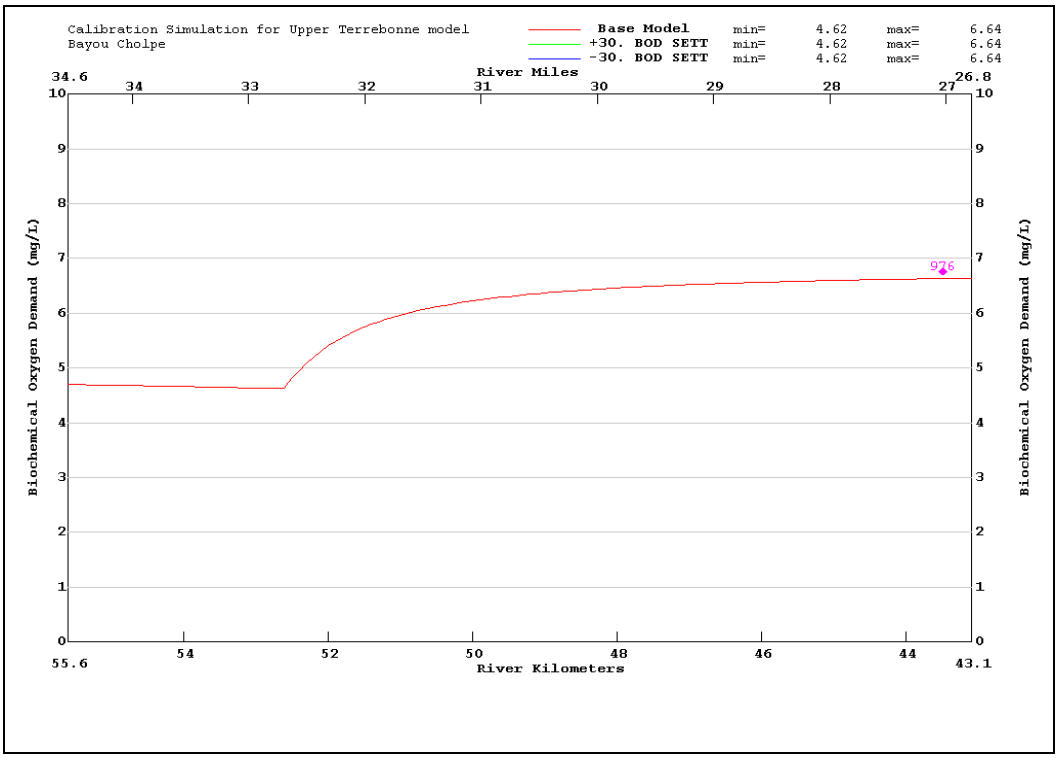

Figure K-73. BOD sensitivity results (BOD settling rate) for subsegment 120110.

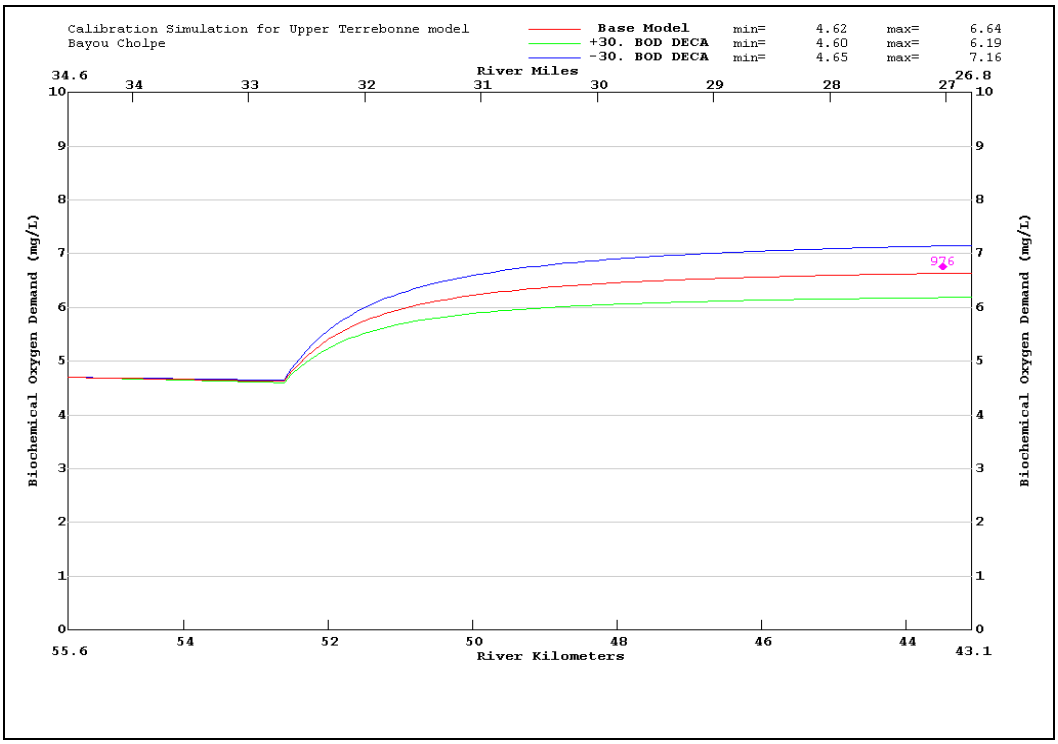

Figure K-74. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120110.

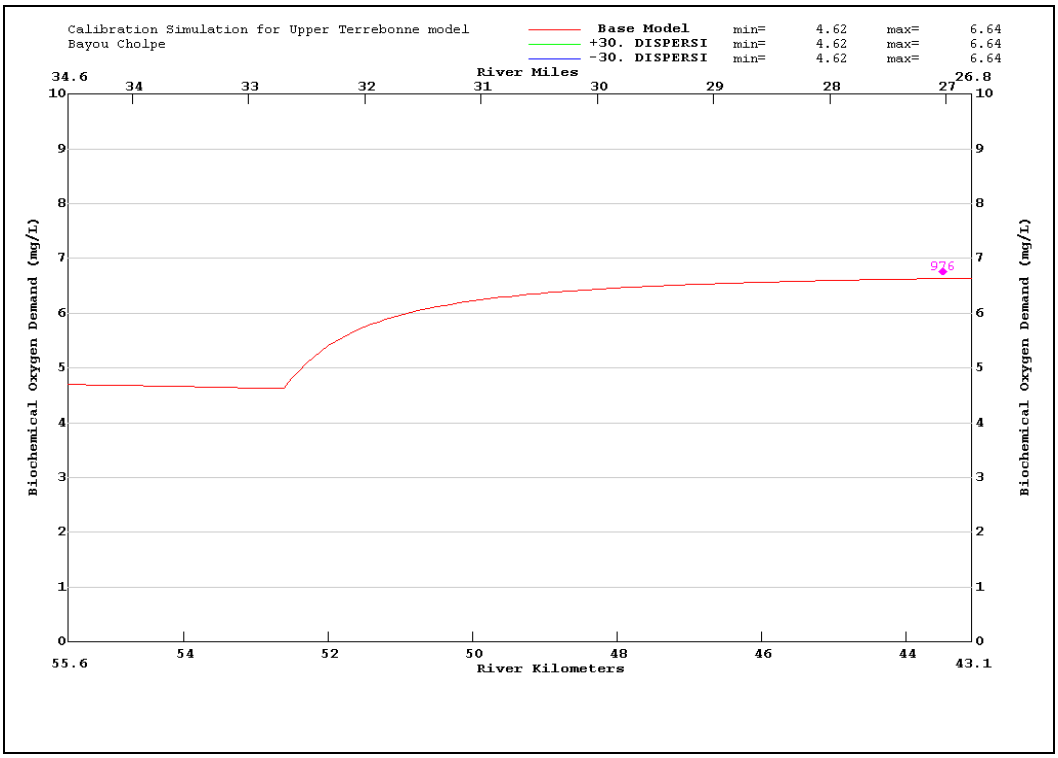

Figure K-75. BOD sensitivity results (dispersion) for subsegment 120110.

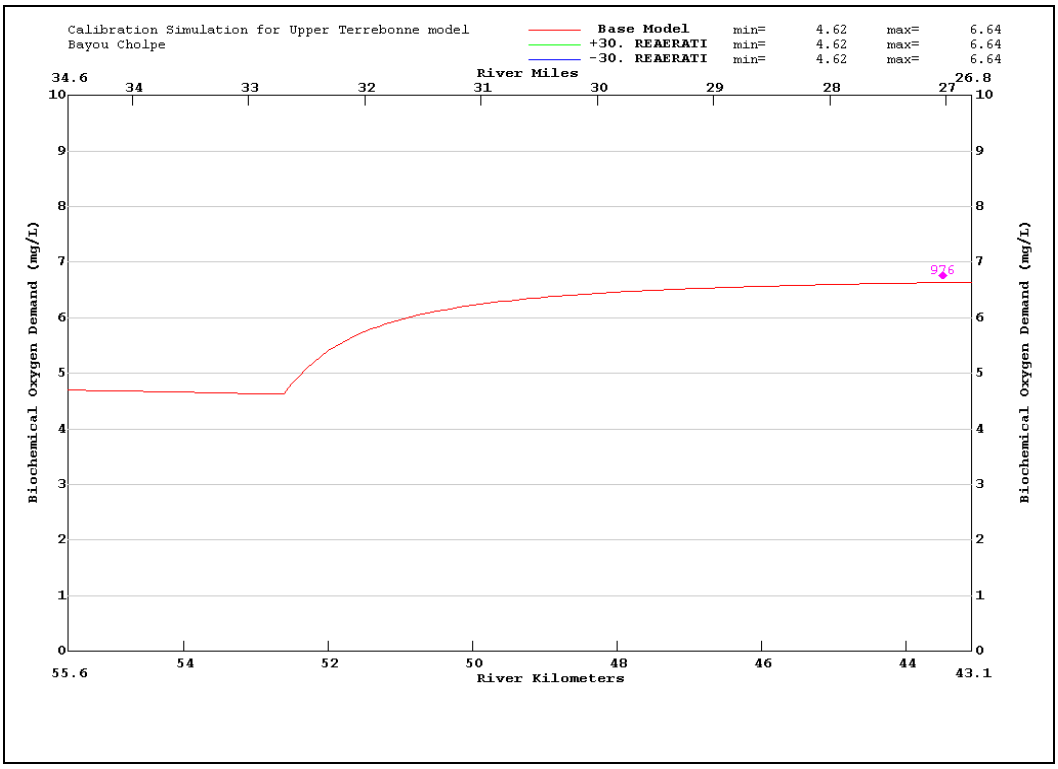

Figure K-76. BOD sensitivity results (reaeration) for subsegment 120110.

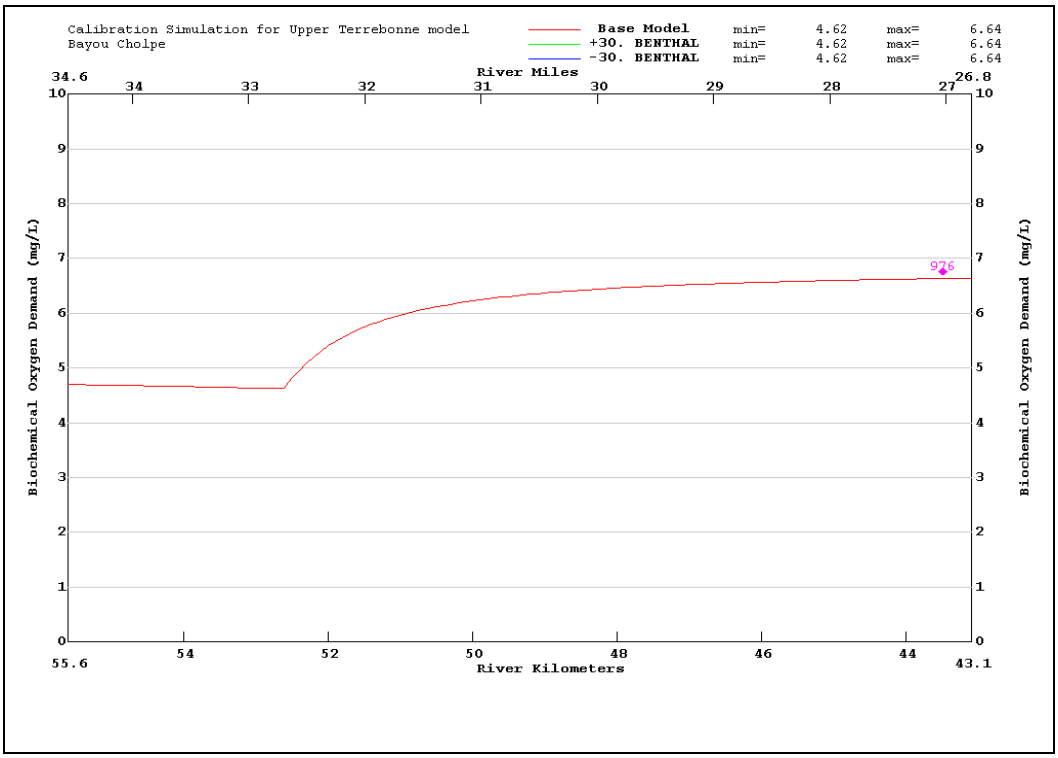

Figure K-77. BOD sensitivity results (background SOD) for subsegment 120110.

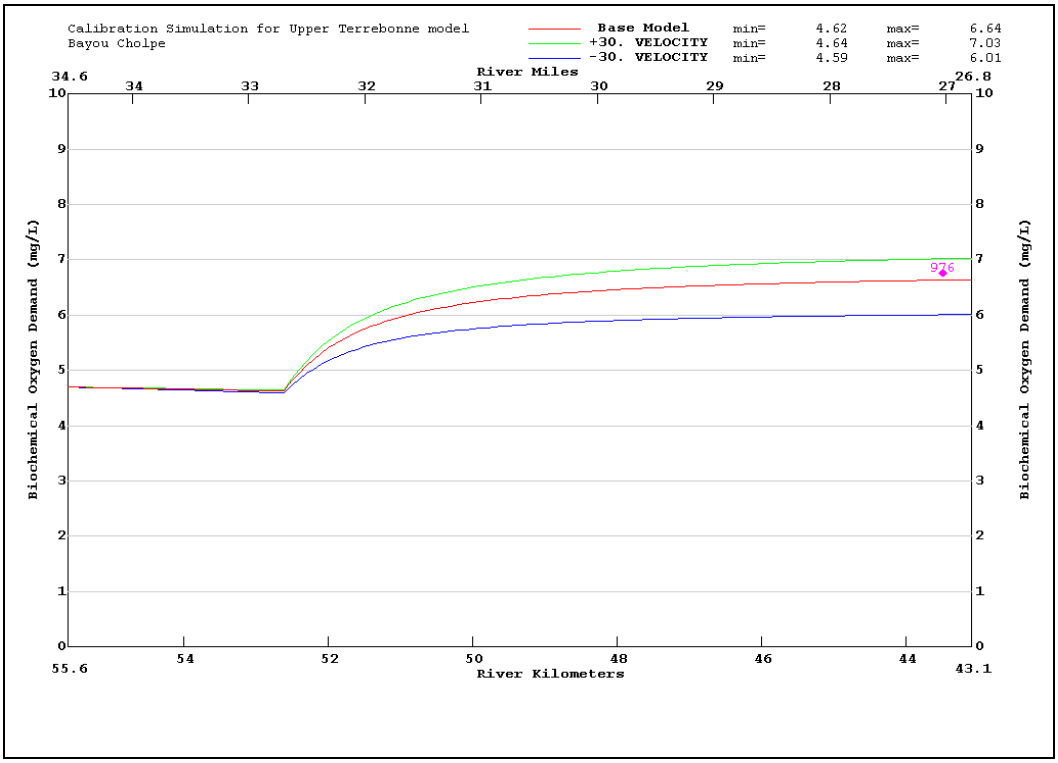

Figure K-78. BOD sensitivity results (stream velocity) for subsegment 120110.

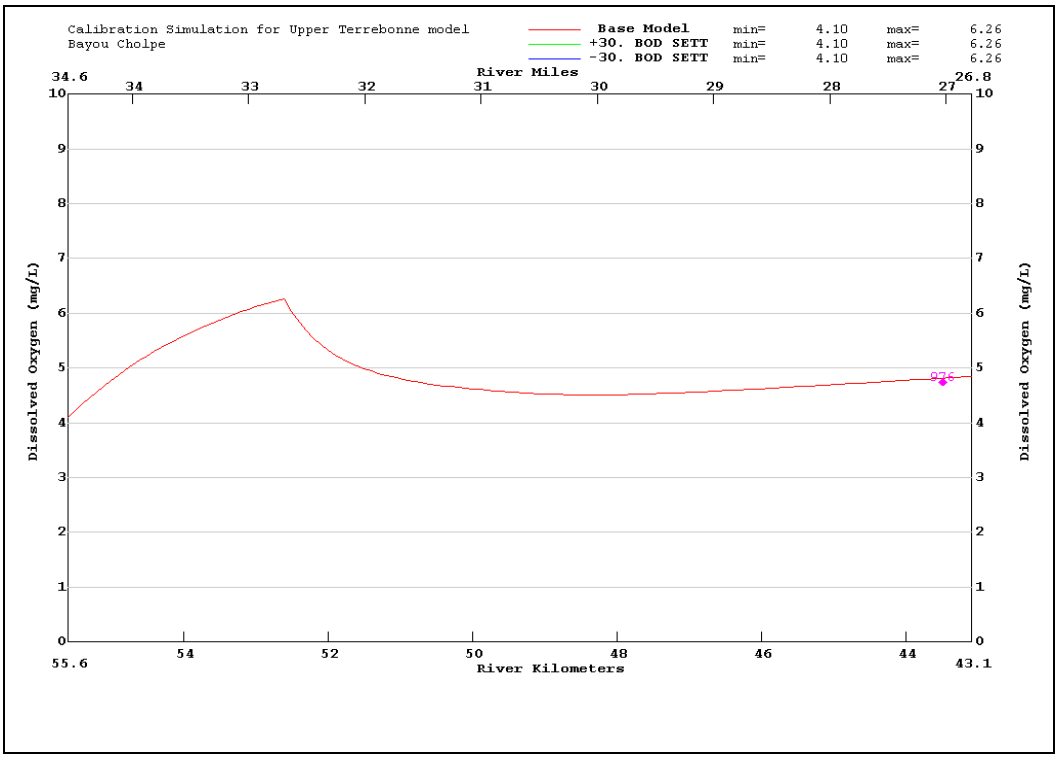

Figure K-79. DO sensitivity results (BOD settling rate) for subsegment 120110.

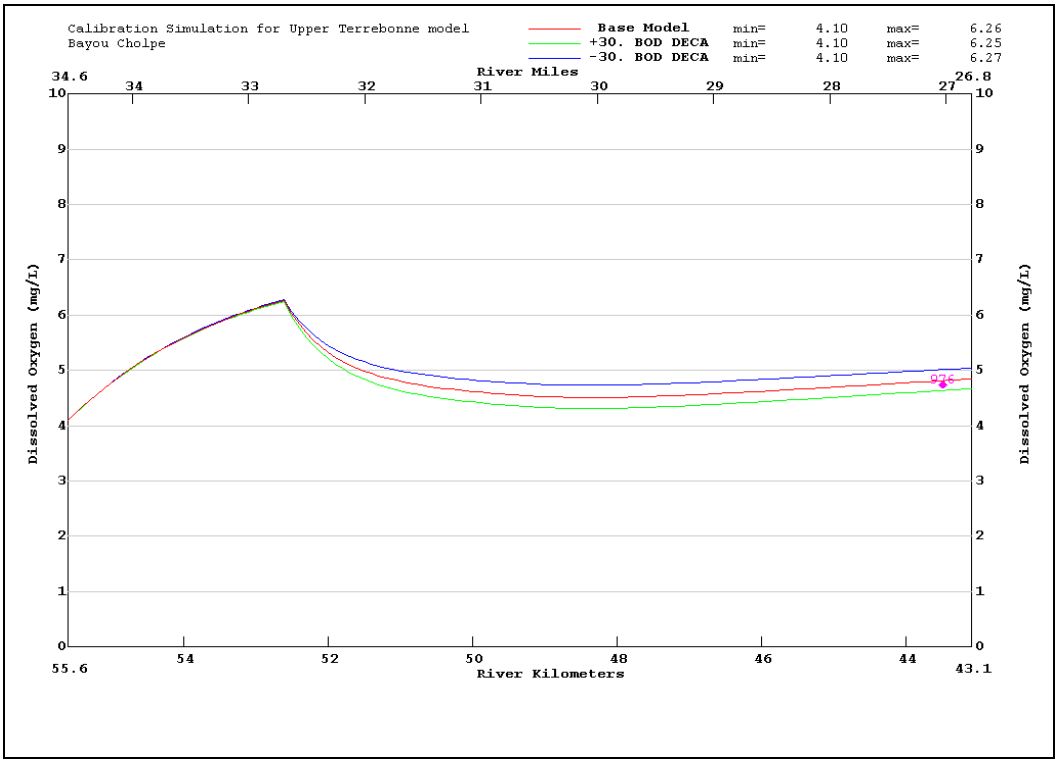

Figure K-80. DO sensitivity results (BOD aerobic decay rate) for subsegment 120110.

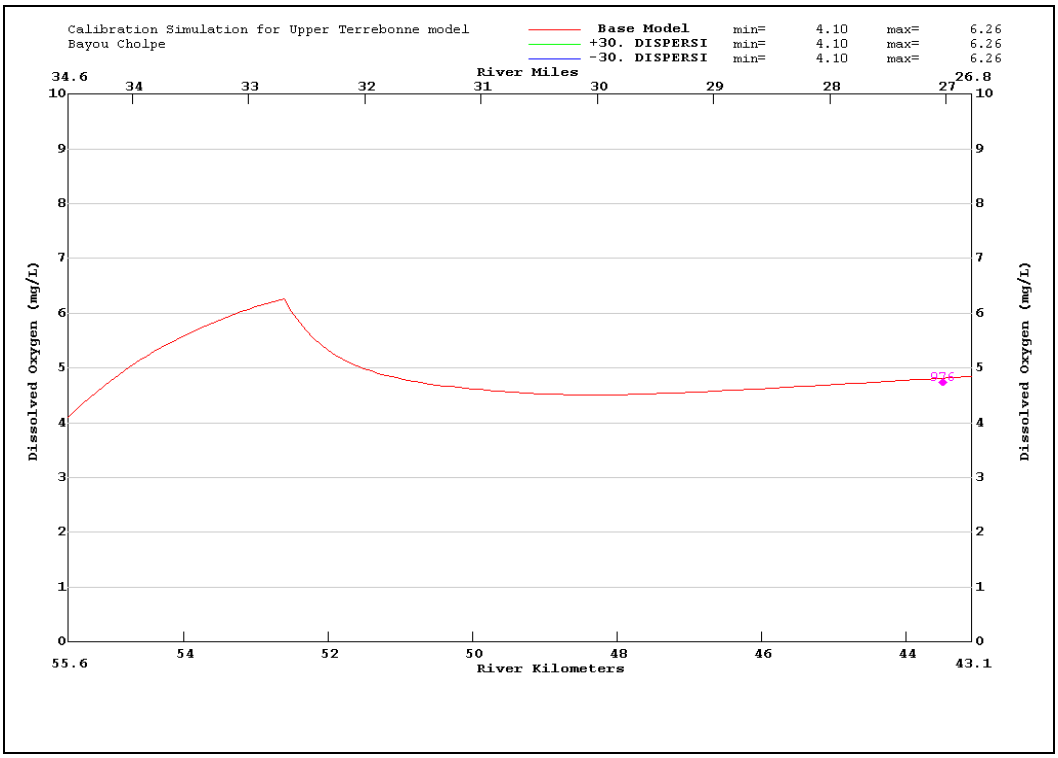

Figure K-81. DO sensitivity results (dispersion) for subsegment 120110.

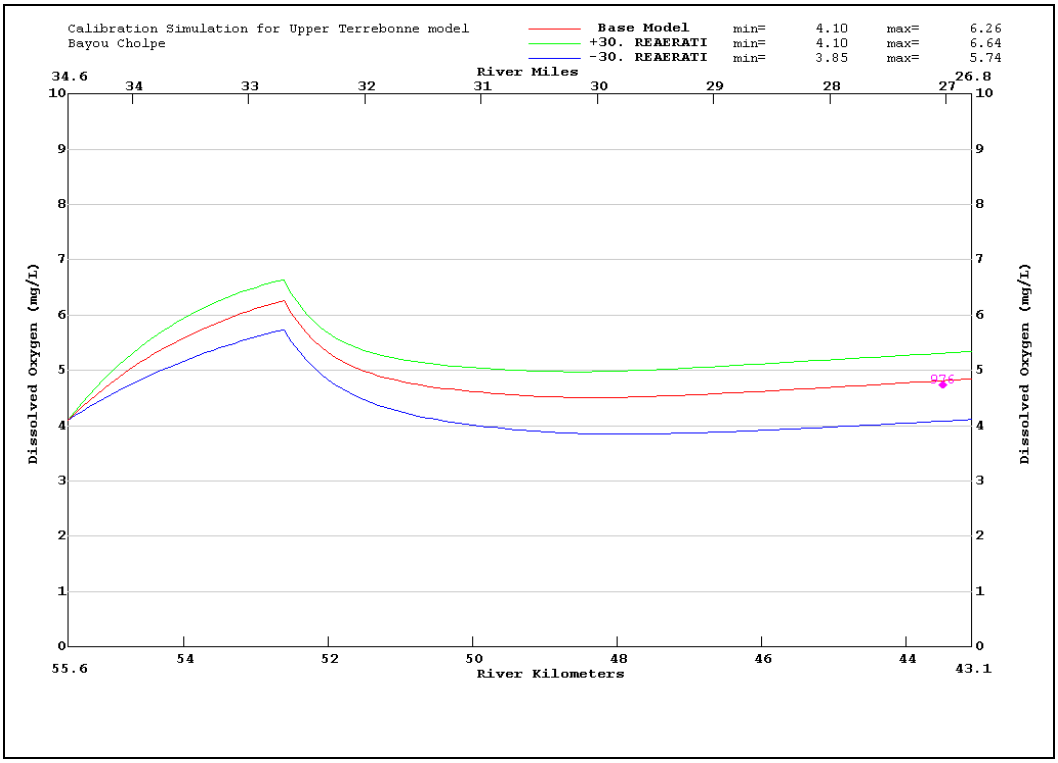

Figure K-82. DO sensitivity results (reaeration) for subsegment 120110.

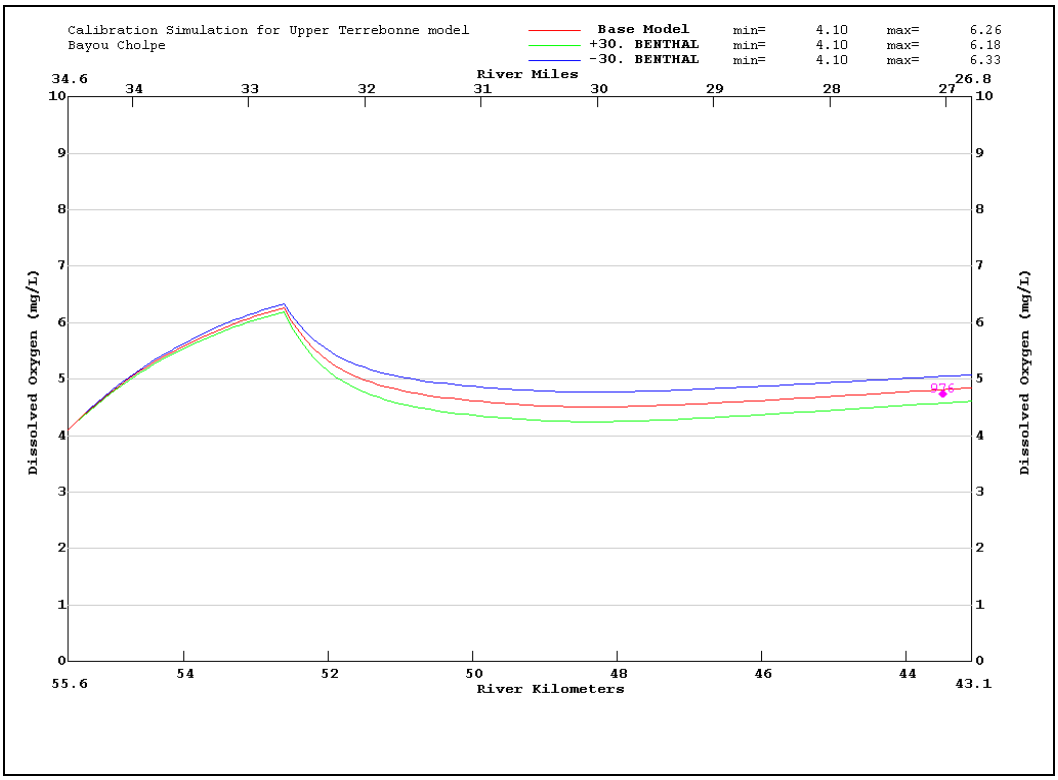

Figure K-83. DO sensitivity results (background SOD) for subsegment 120110.

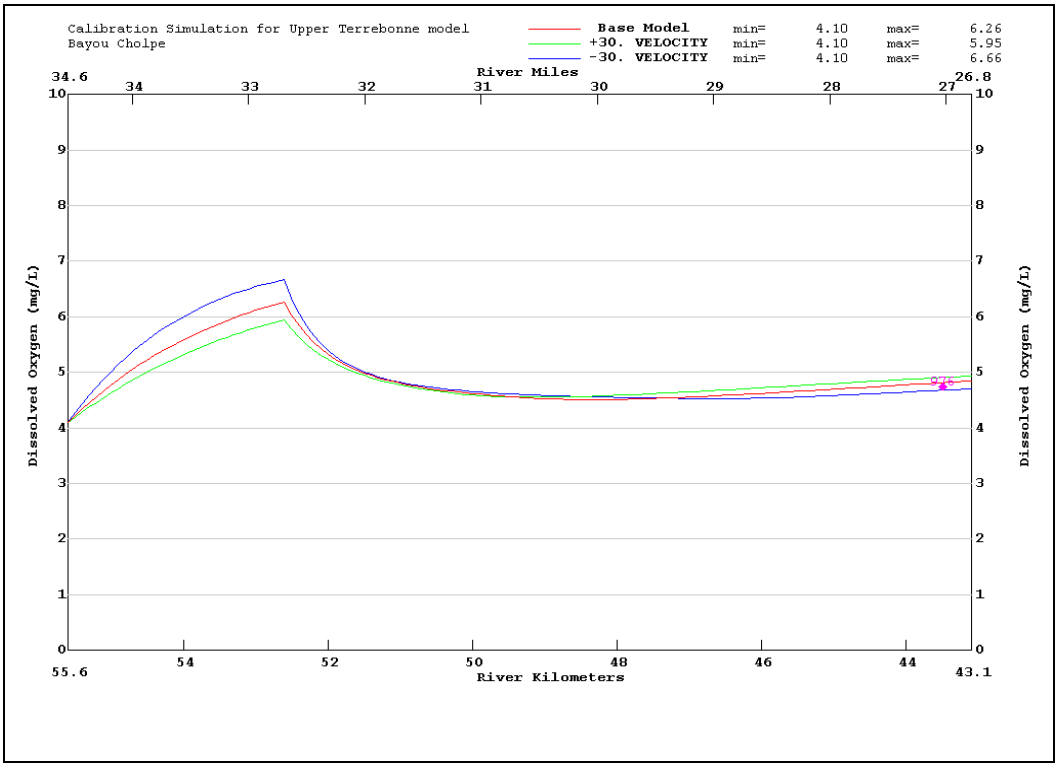

Figure K-84. DO sensitivity results (stream velocity) for subsegment 120110.

APPENDIX L:
AMMONIA TOXICITY CALCULATIONS

Table L-1. Ammonia toxicity results for subsegment 120102 1
Table L-2. Ammonia toxicity results for subsegment 120103 4
Table L-3. Ammonia toxicity results for subsegment 120105 7
Table L-4. Ammonia toxicity results for subsegment 120106 9
Table L-5. Ammonia toxicity results for subsegment 120107 12
Table L-6. Ammonia toxicity results for subsegment 120109 16
Table L-7. Ammonia toxicity results for subsegment 120110 27

Table L-1. Ammonia toxicity results for subsegment 120102

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
126	7.45	30	1.25	1.68	No
127	7.45	30	1.25	1.68	No
128	7.45	30	1.25	1.68	No
129	7.45	30	1.25	1.68	No
130	7.45	30	1.25	1.68	No
131	7.45	30	1.25	1.68	No
132	7.45	30	1.24	1.68	No
133	7.45	30	1.24	1.68	No
134	7.45	30	1.24	1.68	No
135	7.45	30	1.24	1.68	No
136	7.45	30	1.24	1.68	No
137	7.45	30	1.24	1.68	No
138	7.45	30	1.24	1.68	No
139	7.45	30	1.24	1.68	No
140	7.45	30	1.24	1.68	No
141	7.45	30	1.24	1.68	No
142	7.45	30	1.24	1.68	No
143	7.45	30	1.24	1.68	No
144	7.45	30	1.24	1.68	No
145	7.45	30	1.24	1.68	No
146	7.45	30	1.24	1.68	No
147	7.45	30	1.24	1.68	No
148	7.45	30	1.24	1.68	No
149	7.45	30	1.24	1.68	No
150	7.45	30	1.24	1.68	No
151	7.45	30	1.24	1.68	No
152	7.45	30	1.24	1.68	No
153	7.45	30	1.24	1.68	No
154	7.45	30	1.24	1.68	No
155	7.45	30	1.24	1.68	No
156	7.45	30	1.24	1.68	No
157	7.45	30	1.24	1.68	No
158	7.45	30	1.24	1.68	No
159	7.45	30	1.24	1.68	No
160	7.45	30	1.24	1.68	No
161	7.45	30	1.24	1.68	No
162	7.45	30	1.23	1.68	No
163	7.45	30	1.23	1.68	No
164	7.45	30	1.23	1.68	No
165	7.45	30	1.23	1.68	No
166	7.45	30	1.23	1.68	No
167	7.45	30	1.23	1.68	No
168	7.45	30	1.23	1.68	No
169	7.45	30	1.23	1.68	No

Table L-1. (continued)

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
170	7.45	30	1.23	1.68	No
171	7.45	30	1.23	1.68	No
172	7.45	30	1.23	1.68	No
173	7.45	30	1.23	1.68	No
174	7.45	30	1.23	1.68	No
175	7.45	30	1.23	1.68	No
176	7.45	30	1.23	1.68	No
177	7.45	30	1.23	1.68	No
178	7.45	30	1.23	1.68	No
179	7.45	30	1.23	1.68	No
180	7.45	30	1.23	1.68	No
181	7.45	30	1.23	1.68	No
182	7.45	30	1.23	1.68	No
183	7.45	30	1.23	1.68	No
184	7.45	30	1.22	1.68	No
185	7.45	30	1.22	1.68	No
186	7.45	30	1.23	1.68	No
187	7.45	30	1.23	1.68	No
188	7.45	30	1.23	1.68	No
189	7.45	30	1.23	1.68	No
190	7.45	30	1.23	1.68	No
191	7.45	30	1.22	1.68	No
192	7.45	30	1.22	1.68	No
193	7.45	30	1.22	1.68	No
194	7.45	30	1.22	1.68	No
195	7.45	30	1.22	1.68	No
196	7.45	30	1.21	1.68	No
197	7.45	30	1.21	1.68	No
198	7.45	30	1.21	1.68	No
199	7.45	30	1.21	1.68	No
200	7.45	30	1.21	1.68	No
201	7.45	30	1.21	1.68	No
202	7.45	30	1.2	1.68	No
203	7.45	30	1.2	1.68	No
204	7.45	30	1.2	1.68	No
205	7.45	30	1.2	1.68	No
206	7.45	30	1.2	1.68	No
207	7.45	30	1.2	1.68	No
208	7.45	30	1.19	1.68	No
209	7.45	30	1.19	1.68	No
210	7.45	30	1.19	1.68	No
211	7.45	30	1.19	1.68	No
212	7.45	30	1.19	1.68	No
213	7.45	30	1.19	1.68	No

Table L-1. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
214	7.45	30	1.18	1.68	No
215	7.45	30	1.18	1.68	No
216	7.45	30	1.18	1.68	No
217	7.45	30	1.18	1.68	No
218	7.45	30	1.18	1.68	No
219	7.45	30	1.18	1.68	No
220	7.45	30	1.17	1.68	No
221	7.45	30	1.17	1.68	No
222	7.45	30	1.17	1.68	No
223	7.45	30	1.17	1.68	No
224	7.45	30	1.17	1.68	No
225	7.45	30	1.17	1.68	No
226	7.45	30	1.16	1.68	No
227	7.45	30	1.16	1.68	No
228	7.45	30	1.16	1.68	No

Table L-2. Ammonia toxicity results for subsegment 120103

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
229	7.25	30	1.13	1.93	No
230	7.28	30	1.1	1.90	No
231	7.31	30	1.08	1.86	No
232	7.33	30	1.06	1.83	No
233	7.36	30	1.03	1.79	No
234	7.39	30	1.01	1.76	No
235	7.42	30	0.99	1.72	No
236	7.45	30	0.97	1.68	No
237	7.47	30	0.94	1.64	No
238	7.50	30	0.92	1.61	No
239	7.53	30	0.9	1.57	No
240	7.56	30	0.88	1.53	No
241	7.59	30	0.86	1.48	No
242	7.61	30	0.85	1.44	No
243	7.64	30	0.83	1.40	No
244	7.67	30	0.81	1.36	No
245	7.70	30	0.79	1.32	No
246	7.73	30	0.77	1.28	No
247	7.75	30	0.76	1.24	No
248	7.78	30	0.74	1.20	No
249	7.81	30	0.73	1.16	No
250	7.84	30	0.71	1.12	No
251	7.87	30	0.69	1.08	No
252	7.90	30	0.68	1.04	No
253	7.92	30	0.66	1.00	No
254	7.95	30	0.65	0.96	No
255	7.98	30	0.64	0.92	No
256	8.01	30	0.62	0.89	No
257	8.04	30	0.61	0.85	No
258	8.06	30	0.59	0.82	No
259	8.09	30	0.58	0.78	No
260	8.12	30	0.57	0.75	No
261	8.15	30	0.56	0.72	No
262	8.18	30	0.54	0.69	No
263	8.20	30	0.53	0.66	No
264	8.23	30	0.52	0.63	No
265	8.26	30	0.51	0.60	No
266	8.29	30	0.5	0.57	No
267	8.32	30	0.49	0.55	No
268	8.34	30	0.47	0.52	No
269	8.37	30	0.46	0.50	No
270	8.40	30	0.45	0.48	No
271	8.4	30	0.45	0.48	No
347	7.775	30	0.43	1.21	No

Table L-2. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
348	7.775	30	0.41	1.21	No
349	7.775	30	0.4	1.21	No
350	7.775	30	0.38	1.21	No
351	7.775	30	0.37	1.21	No
352	7.775	30	0.36	1.21	No
353	7.775	30	0.35	1.21	No
354	7.775	30	0.33	1.21	No
355	7.775	30	0.32	1.21	No
356	7.775	30	0.31	1.21	No
357	7.775	30	0.3	1.21	No
358	7.775	30	0.29	1.21	No
359	7.775	30	0.28	1.21	No
360	7.775	30	0.27	1.21	No
361	7.775	30	0.26	1.21	No
362	7.775	30	0.26	1.21	No
363	7.775	30	0.25	1.21	No
364	7.775	30	0.24	1.21	No
365	7.775	30	0.23	1.21	No
366	7.775	30	0.23	1.21	No
367	7.775	30	0.35	1.21	No
368	7.775	30	0.34	1.21	No
369	7.775	30	0.33	1.21	No
370	7.775	30	0.32	1.21	No
371	7.775	30	0.31	1.21	No
372	7.775	30	0.3	1.21	No
373	7.775	30	0.29	1.21	No
374	7.775	30	0.28	1.21	No
375	7.775	30	0.27	1.21	No
376	7.775	30	0.26	1.21	No
377	7.775	30	0.25	1.21	No
378	7.775	30	0.25	1.21	No
379	7.775	30	0.24	1.21	No
380	7.775	30	0.23	1.21	No
381	7.775	30	0.22	1.21	No
382	7.775	30	0.22	1.21	No
383	7.775	30	0.21	1.21	No
384	7.775	30	0.2	1.21	No
385	7.775	30	0.2	1.21	No
386	7.775	30	0.19	1.21	No
387	7.775	30	0.19	1.21	No
388	7.775	30	0.18	1.21	No
389	7.775	30	0.18	1.21	No
390	7.775	30	0.17	1.21	No
391	7.775	30	0.17	1.21	No

Table L-2. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
392	7.775	30	0.16	1.21	No
393	7.775	30	0.16	1.21	No
394	7.775	30	0.15	1.21	No
395	7.775	30	0.15	1.21	No
396	7.775	30	0.14	1.21	No
397	7.775	30	0.14	1.21	No
398	7.775	30	0.14	1.21	No
399	7.775	30	0.13	1.21	No
400	7.775	30	0.13	1.21	No
401	7.775	30	0.13	1.21	No
402	7.775	30	0.12	1.21	No
403	7.775	30	0.12	1.21	No
404	7.775	30	0.12	1.21	No
405	7.775	30	0.11	1.21	No
406	7.775	30	0.11	1.21	No
407	7.775	30	0.11	1.21	No
408	7.775	30	0.11	1.21	No
409	7.775	30	0.1	1.21	No
410	7.775	30	0.1	1.21	No
411	7.775	30	0.1	1.21	No
412	7.775	30	0.1	1.21	No
413	7.775	30	0.09	1.21	No
414	7.775	30	0.09	1.21	No
415	7.775	30	0.09	1.21	No
416	7.775	30	0.09	1.21	No
417	7.775	30	0.09	1.21	No
418	7.775	30	0.08	1.21	No
419	7.775	30	0.08	1.21	No

Table L-3. Ammonia toxicity results for subsegment 120105

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
272	7.7	30	0.1	1.32	No
273	7.7	30	0.09	1.32	No
274	7.7	30	0.09	1.32	No
275	7.7	30	0.09	1.32	No
276	7.7	30	0.08	1.32	No
277	7.7	30	0.08	1.32	No
278	7.7	30	0.08	1.32	No
279	7.7	30	0.08	1.32	No
280	7.7	30	0.07	1.32	No
281	7.7	30	0.07	1.32	No
282	7.7	30	0.07	1.32	No
283	7.7	30	0.07	1.32	No
284	7.7	30	0.07	1.32	No
285	7.7	30	0.07	1.32	No
286	7.7	30	0.06	1.32	No
287	7.7	30	0.06	1.32	No
288	7.7	30	0.06	1.32	No
289	7.7	30	0.06	1.32	No
290	7.7	30	0.06	1.32	No
291	7.7	30	0.06	1.32	No
292	7.7	30	0.06	1.32	No
293	7.7	30	0.06	1.32	No
294	7.7	30	0.05	1.32	No
295	7.7	30	0.05	1.32	No
296	7.7	30	0.05	1.32	No
297	7.7	30	0.05	1.32	No
298	7.7	30	0.05	1.32	No
299	7.7	30	0.05	1.32	No
300	7.7	30	0.05	1.32	No
301	7.7	30	0.05	1.32	No
302	7.7	30	0.05	1.32	No
303	7.7	30	0.05	1.32	No
304	7.7	30	0.05	1.32	No
305	7.7	30	1.17	1.32	No
306	7.7	30	1.05	1.32	No
307	7.7	30	0.95	1.32	No
308	7.7	30	0.86	1.32	No
309	7.7	30	0.78	1.32	No
310	7.7	30	0.7	1.32	No
311	7.7	30	0.64	1.32	No
312	7.7	30	0.58	1.32	No
313	7.7	30	0.53	1.32	No
314	7.7	30	0.48	1.32	No

Table L-3. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
315	7.7	30	0.44	1.32	No
316	7.7	30	0.4	1.32	No
317	7.7	30	0.37	1.32	No
318	7.7	30	0.34	1.32	No
319	7.7	30	0.31	1.32	No
320	7.7	30	0.29	1.32	No
321	7.7	30	0.26	1.32	No
322	7.7	30	0.24	1.32	No
323	7.7	30	0.23	1.32	No
324	7.7	30	0.21	1.32	No
325	7.7	30	0.19	1.32	No
326	7.7	30	0.18	1.32	No
327	7.7	30	0.17	1.32	No
328	7.7	30	0.16	1.32	No
329	7.7	30	0.15	1.32	No
330	7.7	30	0.14	1.32	No
331	7.7	30	0.13	1.32	No
332	7.7	30	0.12	1.32	No
333	7.7	30	0.11	1.32	No
334	7.7	30	0.11	1.32	No
335	7.7	30	0.1	1.32	No
336	7.7	30	0.09	1.32	No
337	7.7	30	0.09	1.32	No
338	7.7	30	0.08	1.32	No
339	7.7	30	0.08	1.32	No
340	7.7	30	0.08	1.32	No
341	7.7	30	0.07	1.32	No
342	7.7	30	0.07	1.32	No
343	7.7	30	0.07	1.32	No
344	7.7	30	0.06	1.32	No
345	7.7	30	0.06	1.32	No
346	7.7	30	0.06	1.32	No

Table L-4. Ammonia toxicity results for subsegment 120106

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
710	8.24	30	0	0.62	No
711	8.24	30	0	0.62	No
712	8.24	30	0.01	0.62	No
713	8.24	30	0.01	0.62	No
714	8.24	30	0.01	0.62	No
715	8.24	30	0.01	0.62	No
716	8.24	30	0.01	0.62	No
717	8.24	30	0.01	0.62	No
718	8.24	30	0.02	0.62	No
719	8.24	30	0.02	0.62	No
720	8.24	30	0.02	0.62	No
721	8.24	30	0.02	0.62	No
722	8.24	30	0.02	0.62	No
723	8.24	30	0.02	0.62	No
724	8.24	30	0.02	0.62	No
725	8.24	30	0.03	0.62	No
726	8.24	30	0.03	0.62	No
727	8.24	30	0.03	0.62	No
728	8.24	30	0.03	0.62	No
729	8.24	30	0.03	0.62	No
730	8.24	30	0.03	0.62	No
731	8.24	30	0.03	0.62	No
732	8.24	30	0.03	0.62	No
733	8.24	30	0.04	0.62	No
734	8.24	30	0.04	0.62	No
735	8.24	30	0.04	0.62	No
736	8.24	30	0.04	0.62	No
737	8.24	30	0.04	0.62	No
738	8.24	30	0.04	0.62	No
739	8.24	30	0.42	0.62	No
740	8.24	30	0.41	0.62	No
741	8.24	30	0.4	0.62	No
742	8.24	30	0.4	0.62	No
743	8.24	30	0.39	0.62	No
744	8.24	30	0.39	0.62	No
745	8.24	30	0.38	0.62	No
746	8.24	30	0.38	0.62	No
747	8.24	30	0.37	0.62	No
748	8.24	30	0.37	0.62	No
749	8.24	30	0.36	0.62	No
750	8.24	30	0.36	0.62	No
751	8.24	30	0.35	0.62	No
752	8.24	30	0.35	0.62	No
753	8.24	30	0.34	0.62	No

Table L-4. (continued)

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
754	8.24	30	0.34	0.62	No
755	8.24	30	0.33	0.62	No
756	8.24	30	0.33	0.62	No
757	8.24	30	0.32	0.62	No
758	8.24	30	0.32	0.62	No
759	8.24	30	0.31	0.62	No
760	8.24	30	0.31	0.62	No
761	8.24	30	0.31	0.62	No
762	8.24	30	0.3	0.62	No
763	8.24	30	0.3	0.62	No
764	8.24	30	0.3	0.62	No
765	8.24	30	0.29	0.62	No
766	8.24	30	0.29	0.62	No
767	8.24	30	0.28	0.62	No
768	8.24	30	0.28	0.62	No
769	8.24	30	0.28	0.62	No
770	8.24	30	0.27	0.62	No
771	8.24	30	0.27	0.62	No
772	8.24	30	0.27	0.62	No
773	8.24	30	0.26	0.62	No
774	8.24	30	0.26	0.62	No
775	8.24	30	0.26	0.62	No
776	8.24	30	0.26	0.62	No
777	8.24	30	0.25	0.62	No
778	8.24	30	0.25	0.62	No
779	8.24	30	0.26	0.62	No
780	8.24	30	0.26	0.62	No
781	8.24	30	0.25	0.62	No
782	8.24	30	0.27	0.62	No
783	8.24	30	0.26	0.62	No
784	8.24	30	0.26	0.62	No
785	8.24	30	0.26	0.62	No
786	8.24	30	0.26	0.62	No
787	8.24	30	0.25	0.62	No
788	8.24	30	0.25	0.62	No
789	8.24	30	0.25	0.62	No
790	8.24	30	0.25	0.62	No
791	8.24	30	0.24	0.62	No
792	8.24	30	0.24	0.62	No
793	8.24	30	0.24	0.62	No
794	8.24	30	0.24	0.62	No
795	8.24	30	0.23	0.62	No
796	8.24	30	0.23	0.62	No
797	8.24	30	0.23	0.62	No

Table L-4. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
798	8.24	30	0.23	0.62	No
799	8.24	30	0.23	0.62	No
800	8.24	30	0.22	0.62	No
801	8.24	30	0.22	0.62	No
802	8.24	30	0.22	0.62	No
803	8.24	30	0.22	0.62	No
804	8.24	30	0.21	0.62	No
805	8.24	30	0.21	0.62	No
806	8.24	30	0.21	0.62	No
807	8.24	30	0.21	0.62	No
808	8.24	30	0.21	0.62	No
809	8.24	30	0.2	0.62	No
810	8.24	30	0.2	0.62	No
811	8.24	30	0.2	0.62	No
812	8.24	30	0.2	0.62	No
813	8.24	30	0.2	0.62	No
814	8.24	30	0.19	0.62	No
815	8.24	30	0.19	0.62	No
816	8.24	30	0.19	0.62	No
817	8.24	30	0.19	0.62	No
818	8.24	30	0.19	0.62	No
819	8.24	30	0.19	0.62	No
820	8.24	30	0.19	0.62	No
821	8.24	30	0.18	0.62	No
822	8.24	30	0.18	0.62	No
823	8.24	30	0.18	0.62	No
824	8.24	30	0.18	0.62	No
825	8.24	30	0.18	0.62	No
826	8.24	30	0.18	0.62	No
827	8.24	30	0.18	0.62	No
828	8.24	30	0.17	0.62	No

Table L-5. Ammonia toxicity results for subsegment 120107

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
879	7.3	30	0.04	1.87	No
880	7.3	30	0.02	1.87	No
881	7.3	30	0.01	1.87	No
882	7.3	30	0.01	1.87	No
883	7.3	30	0	1.87	No
884	7.3	30	0	1.87	No
885	7.3	30	0	1.87	No
886	7.3	30	0	1.87	No
887	7.3	30	0	1.87	No
888	7.3	30	0	1.87	No
889	7.3	30	0	1.87	No
890	7.3	30	0	1.87	No
891	7.3	30	0	1.87	No
892	7.3	30	0	1.87	No
893	7.3	30	0	1.87	No
894	7.3	30	0	1.87	No
895	7.3	30	0	1.87	No
896	7.3	30	0	1.87	No
897	7.3	30	0	1.87	No
898	7.3	30	0	1.87	No
899	7.3	30	0	1.87	No
900	7.3	30	0	1.87	No
901	7.3	30	0	1.87	No
902	7.3	30	0	1.87	No
903	7.3	30	0	1.87	No
904	7.3	30	0	1.87	No
905	7.3	30	0	1.87	No
906	7.3	30	0	1.87	No
907	7.3	30	0.03	1.87	No
908	7.3	30	0.02	1.87	No
909	7.3	30	0.01	1.87	No
910	7.3	30	0.01	1.87	No
911	7.3	30	0.01	1.87	No
912	7.3	30	0	1.87	No
913	7.3	30	0	1.87	No
914	7.3	30	0	1.87	No
915	7.3	30	0	1.87	No
916	7.3	30	0	1.87	No
917	7.3	30	0	1.87	No
918	7.3	30	0	1.87	No
919	7.3	30	0	1.87	No
920	7.3	30	0	1.87	No
921	7.3	30	0	1.87	No
922	7.3	30	0	1.87	No

Table L-5. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
923	7.3	30	0	1.87	No
924	7.3	30	0	1.87	No
925	7.3	30	0	1.87	No
926	7.3	30	0	1.87	No
927	7.3	30	0	1.87	No
928	7.3	30	0	1.87	No
929	7.3	30	0	1.87	No
930	7.3	30	0	1.87	No
931	7.3	30	0	1.87	No
932	7.3	30	0	1.87	No
933	7.3	30	0	1.87	No
934	7.3	30	0	1.87	No
935	7.3	30	0	1.87	No
936	7.3	30	0	1.87	No
937	7.3	30	0	1.87	No
938	7.3	30	0	1.87	No
939	7.3	30	0	1.87	No
940	7.3	30	0	1.87	No
941	7.3	30	0	1.87	No
942	7.3	30	0	1.87	No
943	7.3	30	0	1.87	No
944	7.3	30	0	1.87	No
945	7.3	30	0	1.87	No
946	7.3	30	0	1.87	No
947	7.3	30	0	1.87	No
948	7.3	30	0	1.87	No
949	7.3	30	0	1.87	No
950	7.3	30	0	1.87	No
951	7.3	30	0	1.87	No
952	7.3	30	0	1.87	No
953	7.3	30	0	1.87	No
954	7.3	30	0	1.87	No
955	7.3	30	0	1.87	No
956	7.3	30	0	1.87	No
957	7.3	30	0	1.87	No
958	7.3	30	0	1.87	No
959	7.3	30	0	1.87	No
960	7.3	30	0	1.87	No
961	7.3	30	0	1.87	No
962	7.3	30	0	1.87	No
963	7.3	30	0.07	1.87	No
964	7.3	30	0.07	1.87	No
965	7.3	30	0.07	1.87	No
966	7.3	30	0.07	1.87	No

Table L-5. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
967	7.3	30	0.07	1.87	No
968	7.3	30	0.07	1.87	No
969	7.3	30	0.07	1.87	No
970	7.3	30	0.07	1.87	No
971	7.3	30	0.07	1.87	No
972	7.3	30	0.07	1.87	No
973	7.3	30	0.07	1.87	No
974	7.3	30	0.07	1.87	No
975	7.3	30	0.06	1.87	No
976	7.3	30	0.06	1.87	No
977	7.3	30	0.06	1.87	No
978	7.3	30	0.06	1.87	No
979	7.3	30	0.06	1.87	No
980	7.3	30	0.06	1.87	No
981	7.3	30	0.06	1.87	No
982	7.3	30	0.06	1.87	No
983	7.3	30	0.06	1.87	No
984	7.3	30	0.06	1.87	No
985	7.3	30	0.06	1.87	No
986	7.3	30	0.06	1.87	No
987	7.3	30	0.06	1.87	No
988	7.3	30	0.06	1.87	No
989	7.3	30	0.06	1.87	No
990	7.3	30	0.06	1.87	No
991	7.3	30	0.06	1.87	No
992	7.3	30	0.06	1.87	No
993	7.3	30	0.06	1.87	No
994	7.3	30	0.06	1.87	No
995	7.3	30	0.06	1.87	No
996	7.3	30	0.06	1.87	No
997	7.3	30	0.06	1.87	No
998	7.3	30	0.06	1.87	No
999	7.3	30	0.06	1.87	No
1000	7.3	30	0.06	1.87	No
1001	7.3	30	0.06	1.87	No
1002	7.3	30	0.06	1.87	No
1003	7.3	30	0.06	1.87	No
1004	7.3	30	0.06	1.87	No
1005	7.3	30	0.06	1.87	No
1006	7.3	30	0.06	1.87	No
1007	7.3	30	0.02	1.87	No
1008	7.3	30	0.01	1.87	No
1009	7.3	30	0.01	1.87	No
1010	7.3	30	0.01	1.87	No

Table L-5. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1011	7.3	30	0.01	1.87	No
1012	7.3	30	0.01	1.87	No
1013	7.3	30	0	1.87	No
1014	7.3	30	0	1.87	No
1015	7.3	30	0	1.87	No
1016	7.3	30	0	1.87	No
1017	7.3	30	0	1.87	No
1018	7.3	30	0	1.87	No
1019	7.3	30	0	1.87	No
1020	7.3	30	0	1.87	No
1021	7.3	30	0	1.87	No
1022	7.3	30	0	1.87	No
1023	7.3	30	0	1.87	No
1024	7.3	30	0	1.87	No
1025	7.3	30	0	1.87	No
1026	7.3	30	0	1.87	No
1027	7.3	30	0	1.87	No
1028	7.3	30	0	1.87	No
1029	7.3	30	0	1.87	No
1030	7.3	30	0	1.87	No
1031	7.3	30	0	1.87	No
1032	7.3	30	0	1.87	No
1033	7.3	30	0	1.87	No
1034	7.3	30	0	1.87	No
1035	7.3	30	0	1.87	No
1036	7.3	30	0	1.87	No
1037	7.3	30	0	1.87	No
1038	7.3	30	0	1.87	No
1039	7.3	30	0	1.87	No
1040	7.3	30	0	1.87	No
1041	7.3	30	0	1.87	No
1042	7.3	30	0	1.87	No
1043	7.3	30	0	1.87	No
1044	7.3	30	0	1.87	No
1045	7.3	30	0	1.87	No
1046	7.3	30	0	1.87	No

Table L-6. Ammonia toxicity results for subsegment 120109

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
420	7.6666667	30	0.03	1.37	No
421	7.6666667	30	0.03	1.37	No
422	7.6666667	30	0.03	1.37	No
423	7.6666667	30	0.03	1.37	No
424	7.6666667	30	0.03	1.37	No
425	7.6666667	30	0.03	1.37	No
426	7.6666667	30	0.03	1.37	No
427	7.6666667	30	0.03	1.37	No
428	7.6666667	30	0.03	1.37	No
429	7.6666667	30	0.03	1.37	No
430	7.6666667	30	0.03	1.37	No
431	7.6666667	30	0.03	1.37	No
432	7.6666667	30	0.03	1.37	No
433	7.6666667	30	0.03	1.37	No
434	7.6666667	30	0.03	1.37	No
435	7.6666667	30	0.03	1.37	No
436	7.6666667	30	0.03	1.37	No
437	7.6666667	30	0.03	1.37	No
438	7.6666667	30	0.03	1.37	No
439	7.6666667	30	0.03	1.37	No
440	7.6666667	30	0.03	1.37	No
441	7.6666667	30	0.03	1.37	No
442	7.6666667	30	0.03	1.37	No
443	7.6666667	30	0.03	1.37	No
444	7.6666667	30	0.03	1.37	No
445	7.6666667	30	0.03	1.37	No
446	7.6666667	30	0.03	1.37	No
447	7.6666667	30	0.03	1.37	No
448	7.6666667	30	0.03	1.37	No
449	7.6666667	30	0.03	1.37	No
450	7.6666667	30	0.03	1.37	No
451	7.6666667	30	0.03	1.37	No
452	7.6666667	30	0.03	1.37	No
453	7.6666667	30	0.03	1.37	No
454	7.6666667	30	0.03	1.37	No
455	7.6666667	30	0.03	1.37	No
456	7.6666667	30	0.03	1.37	No
457	7.6666667	30	0.03	1.37	No
458	7.6666667	30	0.03	1.37	No
459	7.6666667	30	0.03	1.37	No
460	7.6666667	30	0.03	1.37	No
461	7.6666667	30	0.03	1.37	No
462	7.6666667	30	0.03	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
463	7.6666667	30	0.04	1.37	No
464	7.6666667	30	0.03	1.37	No
465	7.6666667	30	0.03	1.37	No
466	7.6666667	30	0.03	1.37	No
467	7.6666667	30	0.03	1.37	No
468	7.6666667	30	0.03	1.37	No
469	7.6666667	30	0.03	1.37	No
470	7.6666667	30	0.03	1.37	No
471	7.6666667	30	0.03	1.37	No
472	7.6666667	30	0.03	1.37	No
473	7.6666667	30	0.03	1.37	No
474	7.6666667	30	0.03	1.37	No
475	7.6666667	30	0.03	1.37	No
476	7.6666667	30	0.03	1.37	No
477	7.6666667	30	0.03	1.37	No
478	7.6666667	30	0.03	1.37	No
479	7.6666667	30	0.03	1.37	No
480	7.6666667	30	0.03	1.37	No
481	7.6666667	30	0.03	1.37	No
482	7.6666667	30	0.03	1.37	No
483	7.6666667	30	0.03	1.37	No
484	7.6666667	30	0.03	1.37	No
485	7.6666667	30	0.03	1.37	No
486	7.6666667	30	0.03	1.37	No
487	7.6666667	30	0.03	1.37	No
488	7.6666667	30	0.03	1.37	No
489	7.6666667	30	0.03	1.37	No
490	7.6666667	30	0.03	1.37	No
491	7.6666667	30	0.03	1.37	No
492	7.6666667	30	0.03	1.37	No
493	7.6666667	30	0.03	1.37	No
494	7.6666667	30	0.03	1.37	No
495	7.6666667	30	0.03	1.37	No
496	7.6666667	30	0.03	1.37	No
497	7.6666667	30	0.03	1.37	No
498	7.6666667	30	0.03	1.37	No
499	7.6666667	30	0.03	1.37	No
500	7.6666667	30	0.03	1.37	No
501	7.6666667	30	0.03	1.37	No
502	7.6666667	30	0.03	1.37	No
503	7.6666667	30	0.03	1.37	No
504	7.6666667	30	0.03	1.37	No
505	7.6666667	30	0.03	1.37	No
506	7.6666667	30	0.03	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
507	7.6666667	30	0.03	1.37	No
508	7.6666667	30	0.03	1.37	No
509	7.6666667	30	0.03	1.37	No
510	7.6666667	30	0.03	1.37	No
511	7.6666667	30	0.03	1.37	No
512	7.6666667	30	0.03	1.37	No
513	7.6666667	30	0.03	1.37	No
514	7.6666667	30	0.03	1.37	No
515	7.6666667	30	0.03	1.37	No
516	7.6666667	30	0.03	1.37	No
517	7.6666667	30	0.03	1.37	No
518	7.6666667	30	0.02	1.37	No
519	7.6666667	30	0.02	1.37	No
520	7.6666667	30	0.02	1.37	No
521	7.6666667	30	0.02	1.37	No
522	7.6666667	30	0.02	1.37	No
523	7.6666667	30	0.02	1.37	No
524	7.6666667	30	0.02	1.37	No
525	7.6666667	30	0.02	1.37	No
526	7.6666667	30	0.02	1.37	No
527	7.6666667	30	0.02	1.37	No
528	7.6666667	30	0.02	1.37	No
529	7.6666667	30	0.02	1.37	No
530	7.6666667	30	0.02	1.37	No
531	7.6666667	30	0.02	1.37	No
532	7.6666667	30	0.02	1.37	No
533	7.6666667	30	0.02	1.37	No
534	7.6666667	30	0.02	1.37	No
535	7.6666667	30	0.02	1.37	No
536	7.6666667	30	0.02	1.37	No
537	7.6666667	30	0.02	1.37	No
538	7.6666667	30	0.02	1.37	No
539	7.6666667	30	0.02	1.37	No
540	7.6666667	30	0.02	1.37	No
541	7.6666667	30	0.02	1.37	No
542	7.6666667	30	0.02	1.37	No
543	7.6666667	30	0.02	1.37	No
544	7.6666667	30	0.02	1.37	No
545	7.6666667	30	0.02	1.37	No
546	7.6666667	30	0.02	1.37	No
547	7.6666667	30	0.02	1.37	No
548	7.6666667	30	0.02	1.37	No
549	7.6666667	30	0.02	1.37	No
550	7.6666667	30	0.04	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
551	7.6666667	30	0.04	1.37	No
552	7.6666667	30	0.04	1.37	No
553	7.6666667	30	0.04	1.37	No
554	7.6666667	30	0.05	1.37	No
555	7.6666667	30	0.05	1.37	No
556	7.6666667	30	0.05	1.37	No
557	7.6666667	30	0.05	1.37	No
558	7.6666667	30	0.05	1.37	No
559	7.6666667	30	0.05	1.37	No
560	7.6666667	30	0.05	1.37	No
561	7.6666667	30	0.05	1.37	No
562	7.6666667	30	0.05	1.37	No
563	7.6666667	30	0.04	1.37	No
564	7.6666667	30	0.04	1.37	No
565	7.6666667	30	0.04	1.37	No
566	7.6666667	30	0.04	1.37	No
567	7.6666667	30	0.04	1.37	No
568	7.6666667	30	0.04	1.37	No
569	7.6666667	30	0.04	1.37	No
570	7.6666667	30	0.04	1.37	No
571	7.6666667	30	0.04	1.37	No
572	7.6666667	30	0.04	1.37	No
573	7.6666667	30	0.04	1.37	No
574	7.6666667	30	0.04	1.37	No
575	7.6666667	30	0.04	1.37	No
576	7.6666667	30	0.04	1.37	No
577	7.6666667	30	0.04	1.37	No
578	7.6666667	30	0.04	1.37	No
579	7.6666667	30	0.04	1.37	No
580	7.6666667	30	0.04	1.37	No
581	7.6666667	30	0.04	1.37	No
582	7.6666667	30	0.04	1.37	No
583	7.6666667	30	0.04	1.37	No
584	7.6666667	30	0.04	1.37	No
585	7.6666667	30	0.04	1.37	No
586	7.6666667	30	0.04	1.37	No
587	7.6666667	30	0.04	1.37	No
588	7.6666667	30	0.04	1.37	No
589	7.6666667	30	0.04	1.37	No
590	7.6666667	30	0.04	1.37	No
591	7.6666667	30	0.04	1.37	No
592	7.6666667	30	0.04	1.37	No
593	7.6666667	30	0.04	1.37	No
594	7.6666667	30	0.04	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
595	7.6666667	30	0.04	1.37	No
596	7.6666667	30	0.04	1.37	No
597	7.6666667	30	0.04	1.37	No
598	7.6666667	30	0.04	1.37	No
599	7.6666667	30	0.04	1.37	No
600	7.6666667	30	0.04	1.37	No
601	7.6666667	30	0.04	1.37	No
602	7.6666667	30	0.04	1.37	No
603	7.6666667	30	0.04	1.37	No
604	7.6666667	30	0.04	1.37	No
605	7.6666667	30	0.04	1.37	No
606	7.6666667	30	0.04	1.37	No
607	7.6666667	30	0.04	1.37	No
608	7.6666667	30	0.04	1.37	No
609	7.6666667	30	0.04	1.37	No
610	7.6666667	30	0.04	1.37	No
611	7.6666667	30	0.04	1.37	No
612	7.6666667	30	0.03	1.37	No
613	7.6666667	30	0.03	1.37	No
614	7.6666667	30	0.03	1.37	No
615	7.6666667	30	0.03	1.37	No
616	7.6666667	30	0.03	1.37	No
617	7.6666667	30	0.03	1.37	No
618	7.6666667	30	0.03	1.37	No
619	7.6666667	30	0.03	1.37	No
620	7.6666667	30	0.03	1.37	No
621	7.6666667	30	0.03	1.37	No
622	7.6666667	30	0.03	1.37	No
623	7.6666667	30	0.03	1.37	No
624	7.6666667	30	0.03	1.37	No
625	7.6666667	30	0.03	1.37	No
626	7.6666667	30	0.03	1.37	No
627	7.6666667	30	0.03	1.37	No
628	7.6666667	30	0.03	1.37	No
629	7.6666667	30	0.03	1.37	No
630	7.6666667	30	0.03	1.37	No
631	7.6666667	30	0.03	1.37	No
632	7.6666667	30	0.03	1.37	No
633	7.6666667	30	0.03	1.37	No
634	7.6666667	30	0.03	1.37	No
635	7.6666667	30	0.03	1.37	No
636	7.6666667	30	0.03	1.37	No
637	7.6666667	30	0.03	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
638	7.6666667	30	0.03	1.37	No
639	7.6666667	30	0.03	1.37	No
640	7.6666667	30	0.03	1.37	No
641	7.6666667	30	0.03	1.37	No
642	7.6666667	30	0.03	1.37	No
643	7.6666667	30	0.03	1.37	No
644	7.6666667	30	0.03	1.37	No
645	7.6666667	30	0.03	1.37	No
646	7.6666667	30	0.03	1.37	No
647	7.6666667	30	0.03	1.37	No
648	7.6666667	30	0.03	1.37	No
649	7.6666667	30	0.03	1.37	No
650	7.6666667	30	0.03	1.37	No
651	7.6666667	30	0.03	1.37	No
652	7.6666667	30	0.03	1.37	No
653	7.6666667	30	0.03	1.37	No
654	7.6666667	30	0.03	1.37	No
655	7.6666667	30	0.03	1.37	No
656	7.6666667	30	0.03	1.37	No
657	7.6666667	30	0.03	1.37	No
658	7.6666667	30	0.03	1.37	No
659	7.6666667	30	0.03	1.37	No
660	7.6666667	30	0.03	1.37	No
661	7.6666667	30	0.03	1.37	No
662	7.6666667	30	0.03	1.37	No
663	7.6666667	30	0.03	1.37	No
664	7.6666667	30	0.03	1.37	No
665	7.6666667	30	0.03	1.37	No
666	7.6666667	30	0.03	1.37	No
667	7.6666667	30	0.03	1.37	No
668	7.6666667	30	0.03	1.37	No
669	7.6666667	30	0.03	1.37	No
670	7.6666667	30	0.03	1.37	No
671	7.6666667	30	0.03	1.37	No
672	7.6666667	30	0.03	1.37	No
673	7.6666667	30	0.03	1.37	No
674	7.6666667	30	0.03	1.37	No
675	7.6666667	30	0.03	1.37	No
676	7.6666667	30	0.03	1.37	No
677	7.6666667	30	0.03	1.37	No
678	7.6666667	30	0.03	1.37	No
679	7.6666667	30	0.03	1.37	No
680	7.6666667	30	0.03	1.37	No
681	7.6666667	30	0.03	1.37	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
682	7.6666667	30	0.03	1.37	No
683	7.6666667	30	0.03	1.37	No
684	7.6666667	30	0.03	1.37	No
685	7.6666667	30	0.03	1.37	No
686	7.6666667	30	0.03	1.37	No
687	7.6666667	30	0.03	1.37	No
688	7.6666667	30	0.03	1.37	No
689	7.6666667	30	0.03	1.37	No
690	7.6666667	30	0.03	1.37	No
691	7.6666667	30	0.03	1.37	No
692	7.6666667	30	0.03	1.37	No
693	7.6666667	30	0.03	1.37	No
694	7.6666667	30	0.03	1.37	No
695	7.6666667	30	0.03	1.37	No
696	7.6666667	30	0.03	1.37	No
697	7.6666667	30	0.03	1.37	No
698	7.6666667	30	0.03	1.37	No
699	7.6666667	30	0.03	1.37	No
700	7.6666667	30	0.03	1.37	No
701	7.6666667	30	0.03	1.37	No
702	7.6666667	30	0.03	1.37	No
703	7.6666667	30	0.03	1.37	No
704	7.6666667	30	0.03	1.37	No
705	7.6666667	30	0.03	1.37	No
706	7.6666667	30	0.03	1.37	No
707	7.6666667	30	0.03	1.37	No
708	7.6666667	30	0.03	1.37	No
709	7.6666667	30	0.03	1.37	No
829	7.52	30	0.04	1.58	No
830	7.52	30	0.04	1.58	No
831	7.52	30	0.04	1.58	No
832	7.52	30	0.04	1.58	No
833	7.52	30	0.04	1.58	No
834	7.52	30	0.04	1.58	No
835	7.52	30	0.04	1.58	No
836	7.52	30	0.04	1.58	No
837	7.52	30	0.04	1.58	No
838	7.52	30	0.04	1.58	No
839	7.52	30	0.04	1.58	No
840	7.52	30	0.04	1.58	No
841	7.52	30	0.04	1.58	No
842	7.52	30	0.04	1.58	No
843	7.52	30	0.04	1.58	No
844	7.52	30	0.04	1.58	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
845	7.52	30	0.04	1.58	No
846	7.52	30	0.04	1.58	No
847	7.52	30	0.04	1.58	No
848	7.52	30	0.04	1.58	No
849	7.52	30	0.04	1.58	No
850	7.52	30	0.04	1.58	No
851	7.52	30	0.04	1.58	No
852	7.52	30	0.04	1.58	No
853	7.52	30	0.04	1.58	No
854	7.52	30	0.04	1.58	No
855	7.52	30	0.04	1.58	No
856	7.52	30	0.04	1.58	No
857	7.52	30	0.04	1.58	No
858	7.52	30	0.04	1.58	No
859	7.52	30	0.04	1.58	No
860	7.52	30	0.04	1.58	No
861	7.52	30	0.04	1.58	No
862	7.52	30	0.04	1.58	No
863	7.52	30	0.04	1.58	No
864	7.52	30	0.04	1.58	No
865	7.52	30	0.04	1.58	No
866	7.52	30	0.04	1.58	No
867	7.52	30	0.04	1.58	No
868	7.52	30	0.04	1.58	No
869	7.52	30	0.04	1.58	No
870	7.52	30	0.04	1.58	No
871	7.52	30	0.04	1.58	No
872	7.52	30	0.04	1.58	No
873	7.52	30	0.04	1.58	No
874	7.52	30	0.04	1.58	No
875	7.52	30	0.04	1.58	No
876	7.52	30	0.04	1.58	No
877	7.52	30	0.04	1.58	No
878	7.52	30	0.04	1.58	No
1047	7.4	30	0.04	1.74	No
1048	7.4	30	0.04	1.74	No
1049	7.4	30	0.04	1.74	No
1050	7.4	30	0.04	1.74	No
1051	7.4	30	0.04	1.74	No
1052	7.4	30	0.04	1.74	No
1053	7.4	30	0.04	1.74	No
1054	7.4	30	0.04	1.74	No
1055	7.4	30	0.04	1.74	No
1056	7.4	30	0.04	1.74	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1057	7.4	30	0.04	1.74	No
1058	7.4	30	0.04	1.74	No
1059	7.4	30	0.04	1.74	No
1060	7.4	30	0.04	1.74	No
1061	7.4	30	0.04	1.74	No
1062	7.4	30	0.04	1.74	No
1063	7.4	30	0.04	1.74	No
1064	7.4	30	0.04	1.74	No
1065	7.4	30	0.04	1.74	No
1066	7.4	30	0.04	1.74	No
1067	7.4	30	0.04	1.74	No
1068	7.4	30	0.04	1.74	No
1069	7.4	30	0.04	1.74	No
1070	7.4	30	0.03	1.74	No
1071	7.4	30	0.03	1.74	No
1072	7.4	30	0.03	1.74	No
1073	7.4	30	0.03	1.74	No
1074	7.4	30	0.03	1.74	No
1075	7.4	30	0.03	1.74	No
1076	7.4	30	0.03	1.74	No
1077	7.4	30	0.03	1.74	No
1078	7.4	30	0.03	1.74	No
1079	7.4	30	0.03	1.74	No
1080	7.4	30	0.03	1.74	No
1081	7.4	30	0.03	1.74	No
1082	7.4	30	0.03	1.74	No
1083	7.4	30	0.03	1.74	No
1084	7.4	30	0.03	1.74	No
1085	7.4	30	0.03	1.74	No
1086	7.4	30	0.03	1.74	No
1087	7.4	30	0.03	1.74	No
1088	7.4	30	0.03	1.74	No
1089	7.4	30	0.03	1.74	No
1090	7.4	30	0.03	1.74	No
1091	7.4	30	0.03	1.74	No
1092	7.4	30	0.03	1.74	No
1093	7.4	30	0.03	1.74	No
1094	7.4	30	0.03	1.74	No
1095	7.4	30	0.03	1.74	No
1096	7.4	30	0.03	1.74	No
1097	7.4	30	0.03	1.74	No
1098	7.4	30	0.03	1.74	No
1099	7.4	30	0.03	1.74	No
1100	7.4	30	0.03	1.74	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1101	7.4	30	0.03	1.74	No
1102	7.4	30	0.03	1.74	No
1103	7.4	30	0.03	1.74	No
1104	7.4	30	0.03	1.74	No
1105	7.4	30	0.03	1.74	No
1106	7.4	30	0.03	1.74	No
1107	7.4	30	0.03	1.74	No
1108	7.4	30	0.03	1.74	No
1109	7.4	30	0.03	1.74	No
1110	7.4	30	0.03	1.74	No
1111	7.4	30	0.03	1.74	No
1112	7.4	30	0.03	1.74	No
1113	7.4	30	0.03	1.74	No
1114	7.4	30	0.03	1.74	No
1115	7.4	30	0.03	1.74	No
1116	7.4	30	0.03	1.74	No
1117	7.4	30	0.03	1.74	No
1118	7.4	30	0.03	1.74	No
1119	7.4	30	0.03	1.74	No
1120	7.4	30	0.03	1.74	No
1121	7.4	30	0.03	1.74	No
1122	7.4	30	0.03	1.74	No
1123	7.4	30	0.03	1.74	No
1124	7.4	30	0.03	1.74	No
1125	7.4	30	0.03	1.74	No
1126	7.4	30	0.03	1.74	No
1127	7.4	30	0.03	1.74	No
1128	7.4	30	0.03	1.74	No
1129	7.4	30	0.03	1.74	No
1130	7.4	30	0.03	1.74	No
1131	7.4	30	0.03	1.74	No
1132	7.4	30	0.03	1.74	No
1133	7.4	30	0.03	1.74	No
1134	7.4	30	0.03	1.74	No
1135	7.4	30	0.03	1.74	No
1136	7.4	30	0.03	1.74	No
1137	7.4	30	0.03	1.74	No
1138	7.4	30	0.03	1.74	No
1139	7.4	30	0.03	1.74	No
1140	7.4	30	0.03	1.74	No
1141	7.4	30	0.03	1.74	No
1142	7.4	30	0.03	1.74	No
1143	7.4	30	0.03	1.74	No
1144	7.4	30	0.03	1.74	No

Table L-6. (continued)

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1145	7.4	30	0.03	1.74	No
1146	7.4	30	0.03	1.74	No
1147	7.4	30	0.03	1.74	No
1148	7.4	30	0.03	1.74	No
1149	7.4	30	0.03	1.74	No
1150	7.4	30	0.03	1.74	No
1151	7.4	30	0.03	1.74	No
1152	7.4	30	0.03	1.74	No
1153	7.4	30	0.03	1.74	No
1154	7.4	30	0.03	1.74	No
1155	7.4	30	0.03	1.74	No

Table L-7. Ammonia toxicity results for subsegment 120110

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1	7.5	30	0.03	1.61	No
2	7.5	30	0.04	1.61	No
3	7.5	30	0.04	1.61	No
4	7.5	30	0.04	1.61	No
5	7.5	30	0.04	1.61	No
6	7.5	30	0.04	1.61	No
7	7.5	30	0.05	1.61	No
8	7.5	30	0.05	1.61	No
9	7.5	30	0.05	1.61	No
10	7.5	30	0.05	1.61	No
11	7.5	30	0.05	1.61	No
12	7.5	30	0.05	1.61	No
13	7.5	30	0.05	1.61	No
14	7.5	30	0.06	1.61	No
15	7.5	30	0.06	1.61	No
16	7.5	30	0.06	1.61	No
17	7.5	30	0.06	1.61	No
18	7.5	30	0.06	1.61	No
19	7.5	30	0.06	1.61	No
20	7.5	30	0.06	1.61	No
21	7.5	30	0.06	1.61	No
22	7.5	30	0.06	1.61	No
23	7.5	30	0.07	1.61	No
24	7.5	30	0.07	1.61	No
25	7.5	30	0.07	1.61	No
26	7.5	30	0.07	1.61	No
27	7.5	30	0.07	1.61	No
28	7.5	30	0.07	1.61	No
29	7.5	30	0.07	1.61	No
30	7.5	30	0.07	1.61	No
31	7.5	30	0.07	1.61	No
32	7.5	30	0.07	1.61	No
33	7.5	30	0.06	1.61	No
34	7.5	30	0.06	1.61	No
35	7.5	30	0.05	1.61	No
36	7.5	30	0.05	1.61	No
37	7.5	30	0.05	1.61	No
38	7.5	30	0.04	1.61	No
39	7.5	30	0.04	1.61	No
40	7.5	30	0.04	1.61	No
41	7.5	30	0.03	1.61	No
42	7.5	30	0.03	1.61	No
43	7.5	30	0.03	1.61	No
44	7.5	30	0.03	1.61	No

Table L-7. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
45	7.5	30	0.02	1.61	No
46	7.5	30	0.02	1.61	No
47	7.5	30	0.02	1.61	No
48	7.5	30	0.02	1.61	No
49	7.5	30	0.02	1.61	No
50	7.5	30	0.02	1.61	No
51	7.5	30	0.02	1.61	No
52	7.5	30	0.02	1.61	No
53	7.5	30	0.01	1.61	No
54	7.5	30	0.01	1.61	No
55	7.5	30	0.01	1.61	No
56	7.5	30	0.01	1.61	No
57	7.5	30	0.01	1.61	No
58	7.5	30	0.01	1.61	No
59	7.5	30	0.01	1.61	No
60	7.5	30	0.01	1.61	No
61	7.5	30	0.01	1.61	No
62	7.5	30	0.01	1.61	No
63	7.5	30	0.01	1.61	No
64	7.5	30	0.01	1.61	No
65	7.5	30	0.01	1.61	No
66	7.5	30	0.01	1.61	No
67	7.5	30	0.01	1.61	No
68	7.5	30	0.01	1.61	No
69	7.5	30	0.01	1.61	No
70	7.5	30	0.01	1.61	No
71	7.5	30	0.01	1.61	No
72	7.5	30	0.01	1.61	No
73	7.5	30	0.01	1.61	No
74	7.5	30	0.01	1.61	No
75	7.5	30	0.01	1.61	No
76	7.5	30	0.01	1.61	No
77	7.5	30	0.01	1.61	No
78	7.5	30	0.01	1.61	No
79	7.5	30	0.01	1.61	No
80	7.5	30	0.01	1.61	No
81	7.5	30	0.01	1.61	No
82	7.5	30	0.01	1.61	No
83	7.5	30	0.01	1.61	No
84	7.5	30	0.01	1.61	No
85	7.5	30	0.01	1.61	No
86	7.5	30	0.01	1.61	No
87	7.5	30	0.01	1.61	No
88	7.5	30	0.01	1.61	No

Table L-7. (continued)

Model Element	Average observed pH	Model Temperature (°C)	Predicted NH_3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
89	7.5	30	0.01	1.61	No
90	7.5	30	0.01	1.61	No
91	7.5	30	0.01	1.61	No
92	7.5	30	0.01	1.61	No
93	7.5	30	0.01	1.61	No
94	7.5	30	0.01	1.61	No
95	7.5	30	0.01	1.61	No
96	7.5	30	0.01	1.61	No
97	7.5	30	0.01	1.61	No
98	7.5	30	0.01	1.61	No
99	7.5	30	0.01	1.61	No
100	7.5	30	0.01	1.61	No
101	7.5	30	0.01	1.61	No
102	7.5	30	0.01	1.61	No
103	7.5	30	0.01	1.61	No
104	7.5	30	0.01	1.61	No
105	7.5	30	0.01	1.61	No
106	7.5	30	0.01	1.61	No
107	7.5	30	0.01	1.61	No
108	7.5	30	0.01	1.61	No
109	7.5	30	0.01	1.61	No
110	7.5	30	0.01	1.61	No
111	7.5	30	0.01	1.61	No
112	7.5	30	0.01	1.61	No
113	7.5	30	0.01	1.61	No
114	7.5	30	0.01	1.61	No
115	7.5	30	0.01	1.61	No
116	7.5	30	0.01	1.61	No
117	7.5	30	0.01	1.61	No
118	7.5	30	0.01	1.61	No
119	7.5	30	0.01	1.61	No
120	7.5	30	0.01	1.61	No
121	7.5	30	0.01	1.61	No
122	7.5	30	0.01	1.61	No
123	7.5	30	0.01	1.61	No
124	7.5	30	0.01	1.61	No
125	7.5	30	0.01	1.61	No

APPENDIX M:
RESPONSE TO SEPTEMBER 2008 GULF RESTORATION NETWORK COMMENTS

GULF RESTORATION NETWORK

UNITED FOR A HEALTHY GULF

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September 26, 2008

Diane Smith
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RE: Comments on Clean Water Act 303(d): Availability of 30 Modified Total Maximum Daily Loads (TMDLs) in Louisiana:

- TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Upper Terrebonne Basin, Louisiana (120110, 120102, 120103, 120105, 120106, 120107, 120109)

- TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Middle Terrebonne Basin, Louisiana (120202, 120204, 120304, 120403, 120604)

- TMDLs for Dissolved Oxygen and Nutrients in Selected Subsegments in the Lower Terrebonne Basin, Louisiana (120401, 120404, 120405, 120406)

Dear Ms. Smith,

On behalf of the Gulf Restoration Network (GRN), I am submitting the following comments regarding the 30 modified Total Maximum Daily Loads (TMDLs) for the above-mentioned basins. GRN is a diverse coalition of individual citizens and local, regional, and national organizations committed to uniting and empowering people to protect and restore the resources of the Gulf of Mexico. Members of GRN are located in each of the states along the Gulf of Mexico, including Louisiana. GRN reserves the right to rely on all public comments submitted, request a written response to our comments, and request written notification when any action is taken on these TMDLs (approval, denial, modification, etc.).

1. The use of average monthly flows and permit levels is not appropriate for a Total Maximum Daily Load.

The TMDLs repeatedly utilize averages (often monthly) for loading calculations. This is not appropriate when trying to determine a *maximum, daily* loading.

a. In section 6, they sate that "the permitted or average (expected or observed) were used to calculate the WLAs. If the permitted or average flow was unavailable, the permit maximum flow was used." These calculations should have used as close to a daily maximum waste flow as possible. Additionally, if dischargers were discharging above their permitted flow, those numbers should have been used.

EPA Response: In developing WLAs, the best available data was used. In general, the maximum allowable discharge information was used. In certain circumstances, this information was not available. When permit flow was not always available, best professional judgment was used to in determining the flow to use for each discharger. Average flows were preferred over maximum flows, because, without permitted or design flows, it was unknown if maximum flows were above the permit flows.

b. In section 6.1, the TMDLs state that "WLAs were calculated using monthly average permit limits, when applicable. If a permit does not have a monthly average permit limit, the weekly average permit limit was used. If the facility has neither a monthly nor a weekly limit, the daily maximum limit was used to calculate loads." This is opposite of how this calculation should be done. Once again, the goal is to develop a Total *Maximum Daily* Load. Given this fact, utilizing monthly or weekly averages will not adequately protect the impaired waters.

EPA Response: In general, the monthly average permit limit is more conservative than the daily maximum limit, thus giving better protection to receiving waters. These can be seen in tables detailing permit limits, such as those in Appendix A of the Upper Terrebonne and Middle Terrebonne TMDL reports. In addition, the monthly averages represent longer term conditions that will ensure that daily limits will also be met.

c. We assume that for the Ammonia Toxicity Analysis, average flows or average discharges (monthly or weekly) were used. Especially for this analysis for toxicity, daily maximums must be utilized.

EPA Response: This analysis was completed using results directly from the model, therefore average flows were used. This flow was appropriate because the information was compared to the chronic criterion calculated as per the EPA guidance: *1999 Update of Ambient Water Quality Criteria for Ammonia*.

d. For Nutrient TMDLs (section 6.2) the same is true. The analysis states that "total nitrogen to total phosphorus ratios and *mean* concentrations in the nutrient listed subsegments are within the ratio and concentration ranges for the non impaired subsegments." (emphasis

added) First, maximums should also be evaluated. Second, more evidence must be supplied in order to utilize "non-impaired" subsegments as a direct comparison.

EPA Response: The mean concentrations were used because they represent the normal conditions in the subsegment and not extreme conditions which might occur only with limited frequency.

In order for these TMDLs to potentially be protective and follow the letter of the law, wherever available, the most stringent limits and flows should be used, not average flows or average monthly limits.

EPA Response: As stated in previous responses, permit and design flows were preferred as per standard TMDL practice. Average flows were only used in certain circumstances where permitted flows were not available. Additional, monthly average permit limits were preferred because they are more conservative than the daily maximum concentration limits.

2. Supplied TMDL documents are not consistent in the application of an explicit margin of safety for nutrients.

Each of the TMDL documents state on page ii, that "an explicit MOS of 10 percent…[is] included." While this is true for the oxygen demand calculations, it is expressly not true for nutrients. In fact, just two pages later, Table ES-4 states that the margin of safety is *implicit*. This is not justified, especially when it is stated earlier that they should be an explicit 10 percent. This is not consistent and does not allow for a true margin of safety, as the Executive Summaries state. Additionally, the TMDLs state the requirements for an implicit margin of safety, and yet offer no explanation as to how those requirements were fulfilled. In fact, given the use of improper limits, such as monthly averages (see comment 1 above), an implicit margin of safety is not justified.

EPA Response: An explicit MOS will be used for nutrient TMDLs instead of an implicit MOS.

3. The claim that there is no Waste Load Reduction for Total Nitrogen and Total Phosphorus is not supported.

Since there was no apparent analysis as to how much Total Nitrogen and Total Phosphorus is actually coming out of the 194 identified point sources, it is inappropriate to assume that there should be no reduction, as these nutrients could have effects on parts of the various subsegments. Additionally, evidence must be given to show that the point sources and non point sources will be meeting the total allowable loading of total phosphorus and total nitrogen listed in the "Summary of TMDLs for nutrients" charts in the TMDLs.

EPA Response: Available data was used in developing the nutrient TMDLs. Data were not available on point source effluents of nutrients to assess point source contributions. Specific monitoring of point sources is not part of the TMDL process. No reductions

were required to nutrient loadings, so it was assumed that current effluent levels were not detrimental. If more detailed information on point source effluents of nutrients becomes available, which demonstrates changes might be needed to these TMDLs, these TMDLs might be revisited.

TMDLs set allocations. Compliance of allocations is not part of this TMDL. LDEQ conducts routine monitoring all subsegments and has the authority to set permit limits and require effluent monitoring. In addition, LDEQ has other programs in place for nonpoint source compliance.

4. The claim that there is a lack of pathway information is questionable.

We question the statement in the Wasteload Flow and Water Quality Data sections stating that "permitted sources…were combined because of lack of discharge pathway information.) This is extremely suspect. Location of discharge should be part of each permit. Therefore we request evidence backing up the above assertion.

EPA Response: In some permits, location information was missing or unreliable. An example of unreliability of information is the location information for a point source plotted a facility in a different subsegment than the permit lists. The best available information was used in developing these TMDLs. Additionally, even though small point sources were aggregated in the model, the contribution loading of each point source was the same as it would have been included in the model separately. If more detailed information on the locations of point sources becomes available, which demonstrates changes might be needed to these TMDLs, these TMDLs might be revisited. All data that was used is available online on LDEQ's Electronic Document Management System (EDMS) at https://edms.deq.louisiana.gov/app/security/logon.aspx.

5. The assumption that the ammonia discharge from smaller point sources is 1.5 mg/L is inappropriate.

Smaller point sources can often have high discharges of ammonia, and 1.5 mg/L is extremely low, especially when concerning sewage discharges. We request scientific and engineering evidence that the assumption of 1.5 mg/L ammonia for small point sources, as stated in the Wasteload Flow and Water Quality Data section, is appropriate

EPA Response: The ammonia concentration of 1.5 mg/L was used in absence of additional data from facilities and was only used for calibration. With the lack of actual data, assumptions of the effluent concentrations were made on the basis of nearby water quality values, with the assumption that high discharges of ammonia would be reflected in receiving water quality. The calibration of model using this concentration was deemed adequate. TMDLs were based on permit limits. If more detailed information on the ammonia effluent concentrations becomes available, which demonstrates changes might be needed to these TMDLs, these TMDLs might be revisited.

6. Tributaries of named streams are potentially not fully protected with these TMDLs.

Louisiana water quality regulations (Title 33, Part IX, Subpart 1, §1111) states that "Designated uses assigned to each subsegment apply to all water bodies (listed water body and tributaries/distributaries of the listed water body) contained in that subsegment unless unique chemical, physical, and/or biological conditions preclude such uses." However these TMDLs only seem to cover the named stream and treat the tributaries as point sources. If a TMDL is to be done on the full subsegment, each tributary and distributary must be analyzed to see if the proposed Load Allocations and Waste Load Allocations will result in these tributaries meeting the numeric and narrative criteria assigned to their Designated Uses.

> **EPA Response: The TMDL allocations are only developed for areas on the 303(d) listing. The total TMDL allocation includes WLAs for all known point sources throughout the listed subsegments. The total TMDL allocation also includes LAs for all tributaries, not just impaired tributaries, that discharge to the modeled reach. The TMDL is an aggregation of the named stream and its tributaries, not just for individual streams, and all nonpoint sources and tributaries are accounted for in the LAs.**

7. The narrative criteria for nutrients are not fully addressed.

These TMDLs correctly quote the state's narrative nutrient criteria as:

> The Naturally occurring range of nitrogen-phosphorous rations shall be maintained. This range shall not apply to designated intermittent streams. To establish the appropriate range of ratios and compensate for natural seasonal fluctuations, the administrative authority will use site-specific studies to establish limits for nutrients. Nutrient concentrations that produce aquatic growth to the extent that it creates a public nuisance or interferes with designated water uses shall not be added to any surface waters.

While the first part of the criteria is somewhat addressed (see comments 1 and 3 above), the last sentence is effectively ignored. Nowhere in the main reports is there an evaluation that concludes that if nutrient loadings remain where they are that there ill no unacceptable aquatic growth that interferes with the designated uses. Therefore, this TMDL is not complete until the entire set of nutrient criteria is addressed.

> **EPA Response: The nutrient TMDLs were developed using information from non-impaired subsegments under the assumption that the non-impaired subsegments were in full compliance with the LDEQ narrative criteria, including aquatic growth.**

In conclusion, given the above concerns, we feel that these proposed TMDLs are inadequate as presented. We request that our concerns be addressed in a new revised version that will once again be place on public notice. We look forward to your response.

EPA Response: After the establishment of these TMDLs, if new information becomes available, which demonstrates changes might be needed to these TMDLs, EPA may consider revising these TMDLs.

For a healthy Gulf,

[sent electronically]

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