# APPENDIX E:
# PLOTS OF CALIBRATED AND OBSERVED WATER QUALITY


Figure E-1. Temperature modeling results for subsegment 120202 ..... 1
Figure E-2. Ammonia modeling results for subsegment 120202 ..... 1
Figure E-3. BOD modeling results for subsegment 120202 ..... 2
Figure E-4. DO modeling results for subsegment 120202 ..... 2
Figure E-5. Temperature modeling results for subsegment 120204 ..... 3
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Figure E-9. Temperature modeling results for subsegments 120304 and 120403 ..... 5
Figure E-10. Ammonia modeling results for subsegments 120304 and 120403 ..... 5
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Figure E-12. DO modeling results for subsegments 120304 and 120403 ..... 6
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Figure E-14. Ammonia modeling results for subsegment 120604 ..... 7
Figure E-15. BOD modeling results for subsegment 120604 ..... 8
Figure E-16. DO modeling results for subsegment 120604 ..... 8

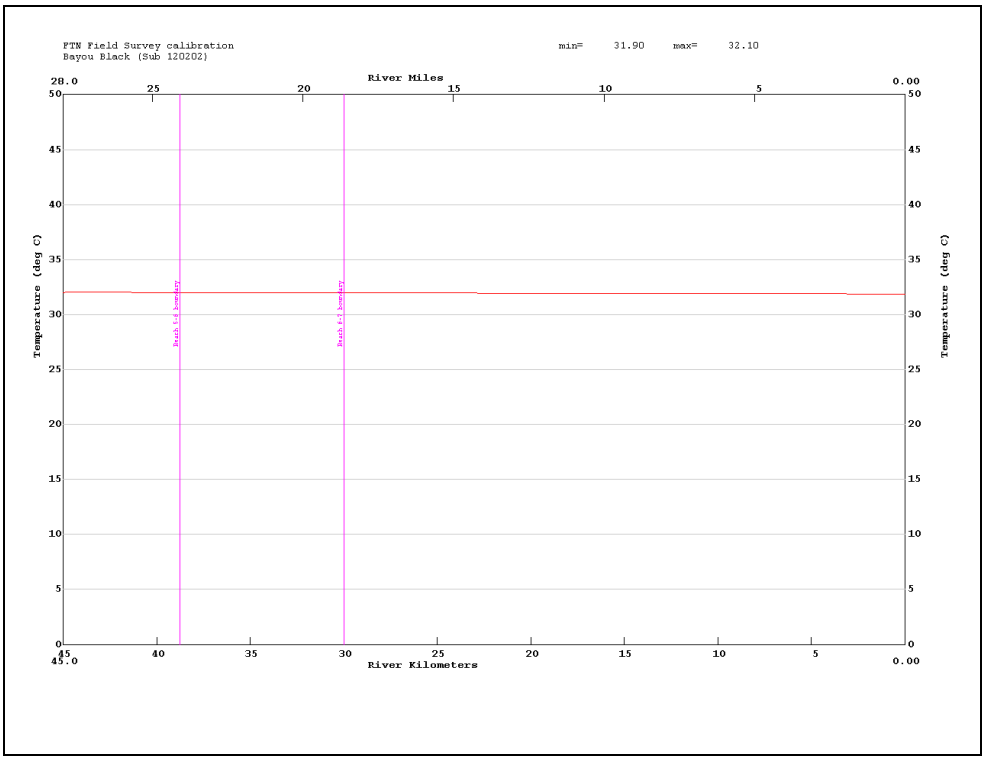


**Figure E-1. Temperature modeling results for subsegment 120202.**

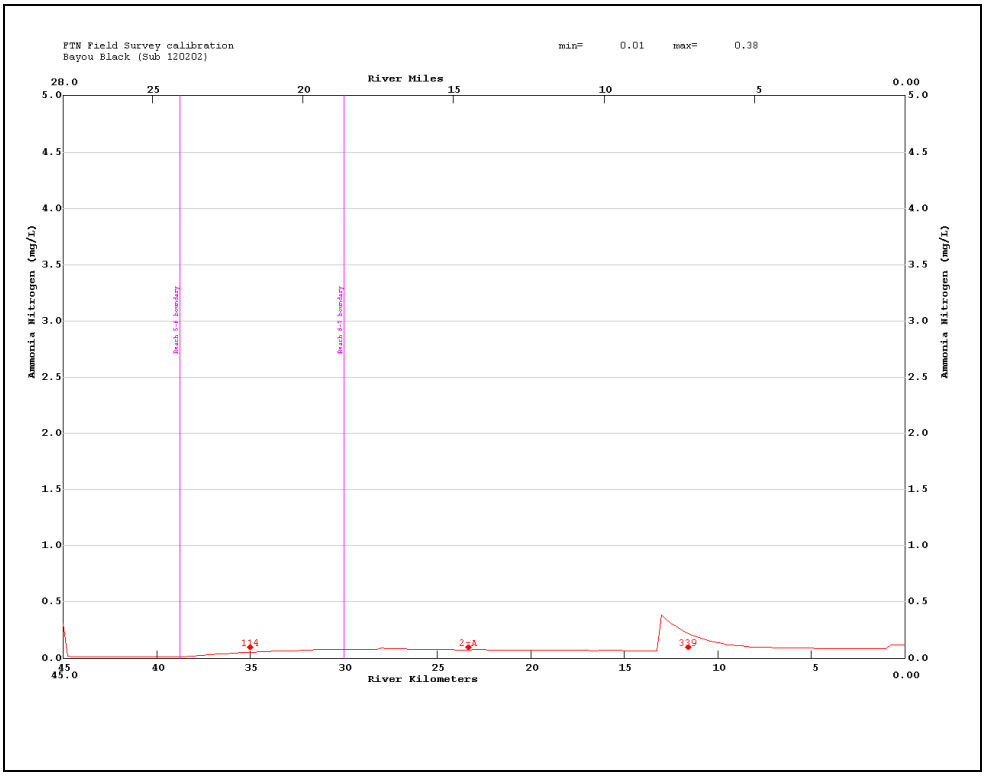


**Figure E-2. Ammonia modeling results for subsegment 120202.**

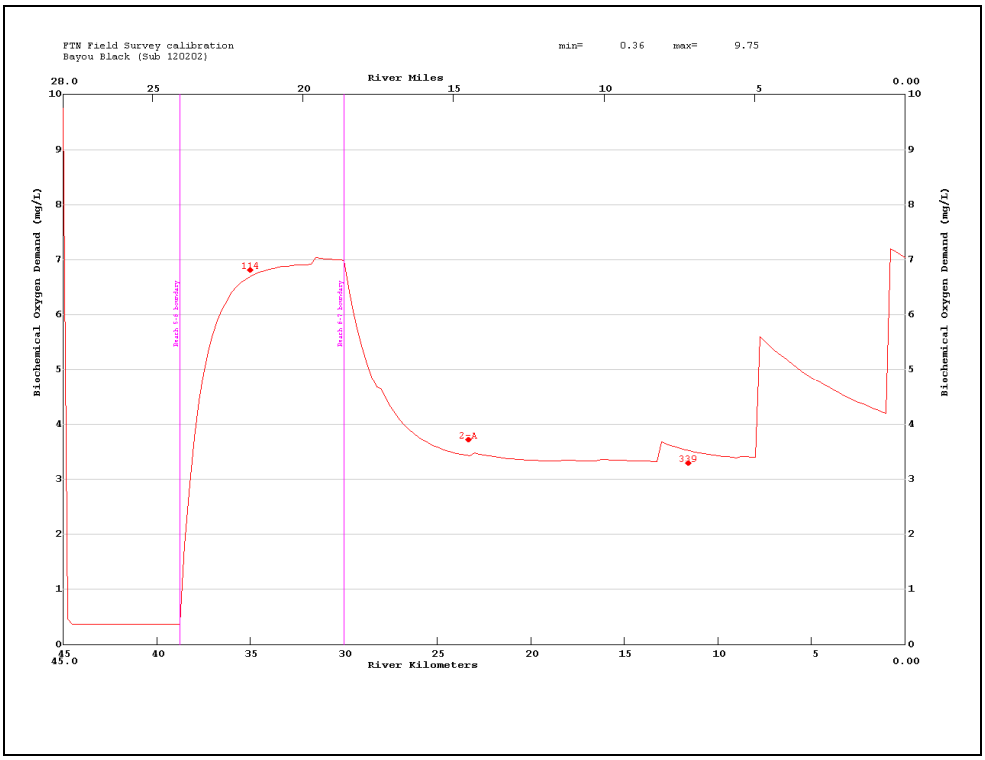


**Figure E-3. BOD modeling results for subsegment 120202.**

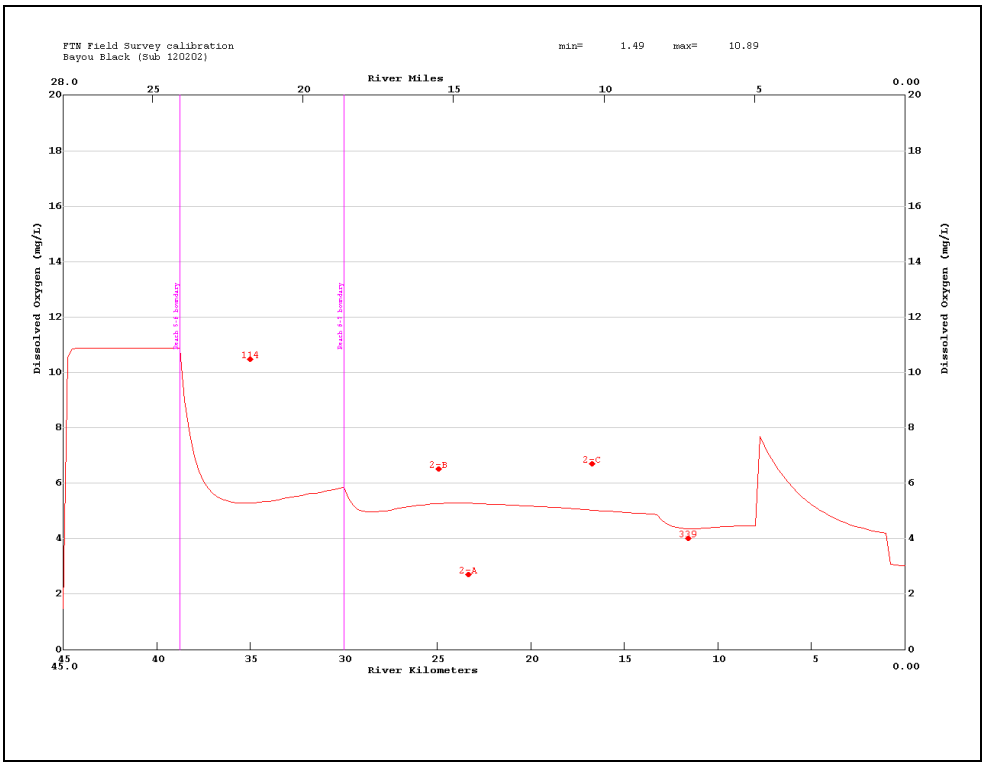


**Figure E-4. DO modeling results for subsegment 120202.**

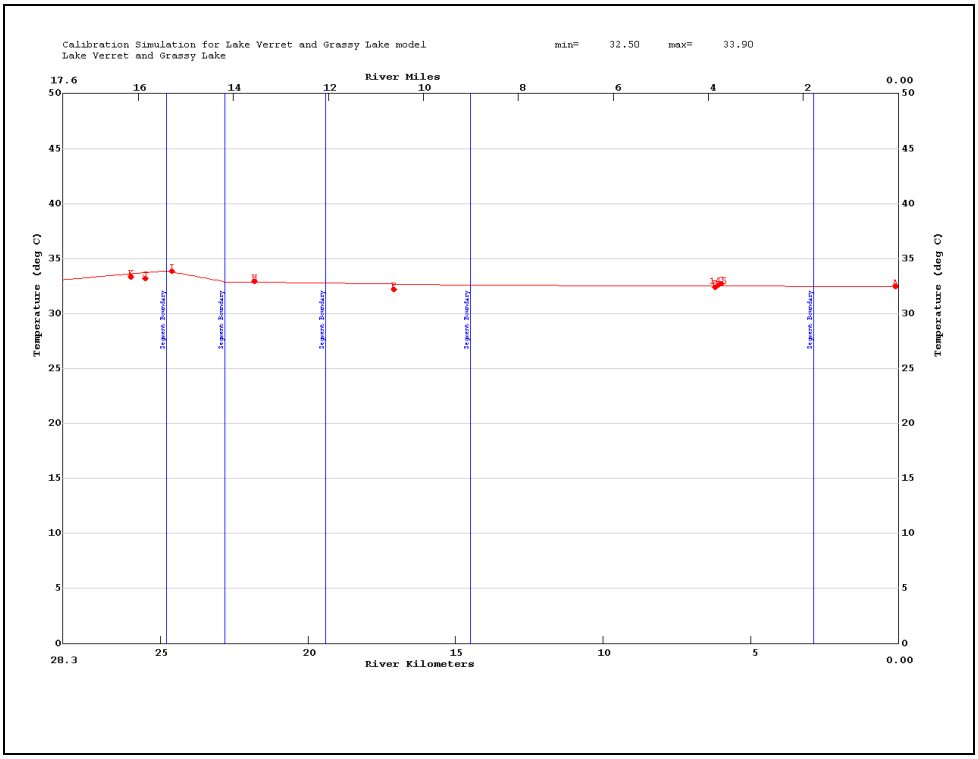


**Figure E-5. Temperature modeling results for subsegment 120204.**

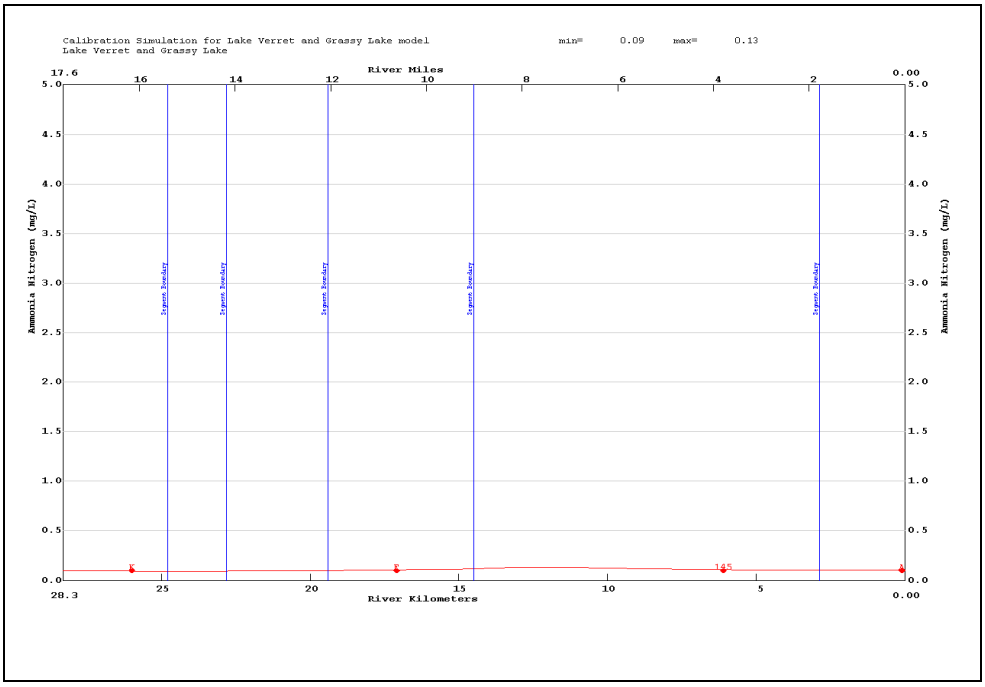


**Figure E-6. Ammonia modeling results for subsegment 120204.**

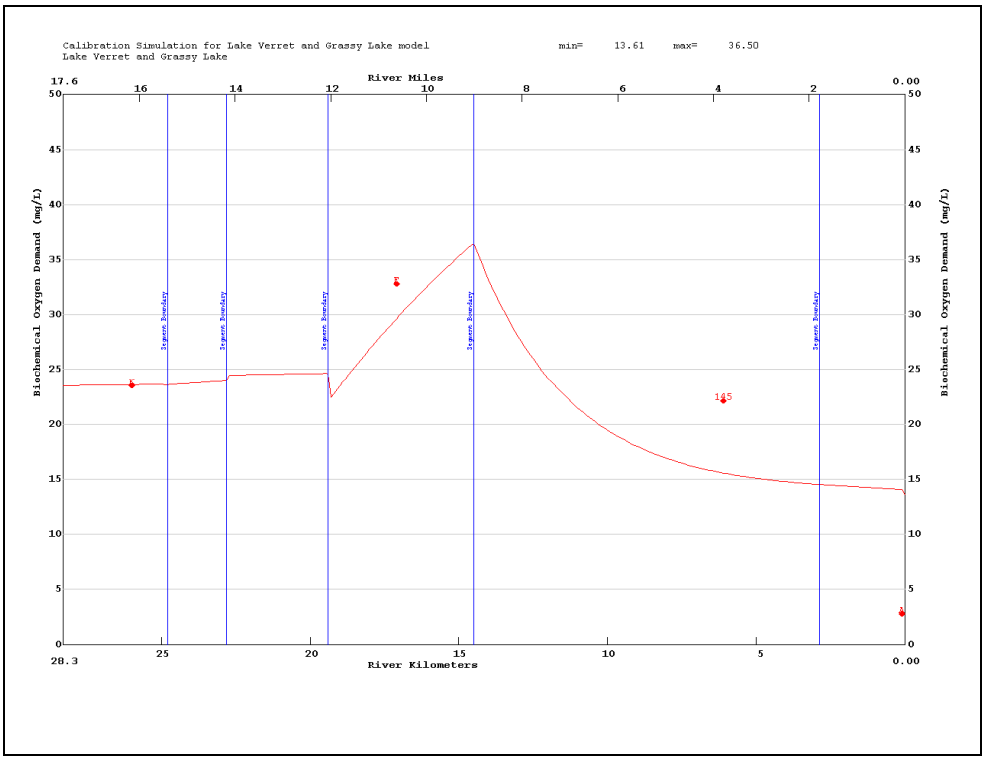


**Figure E-7. BOD modeling results for subsegment 120204.**

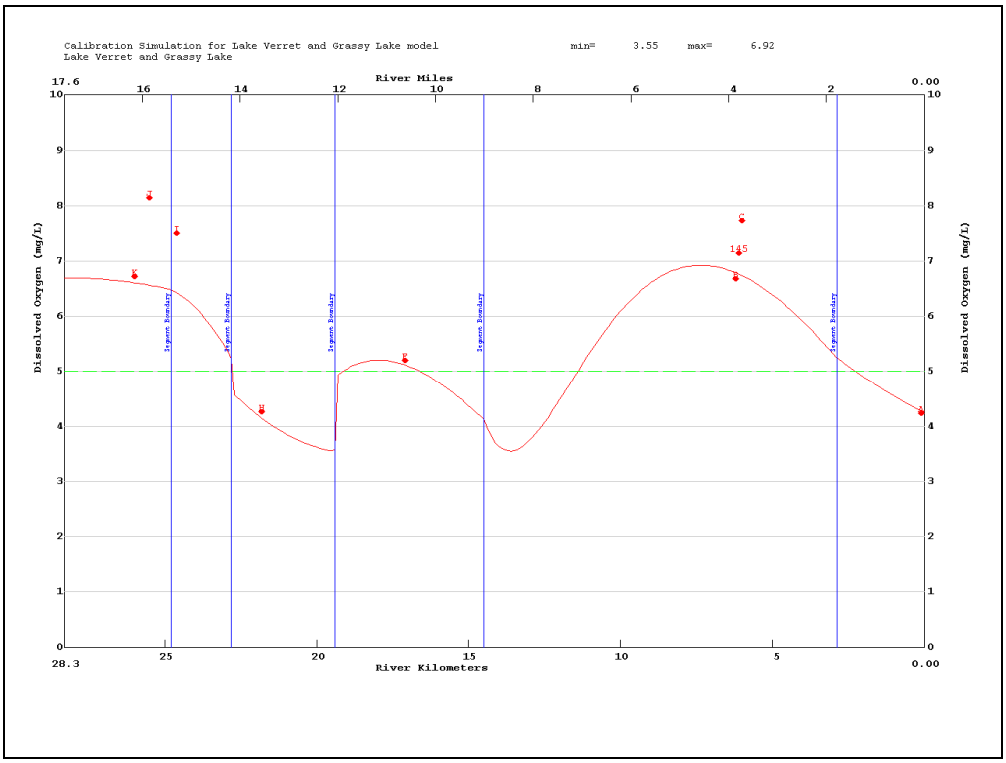


**Figure E-8. DO modeling results for subsegment 120204.**

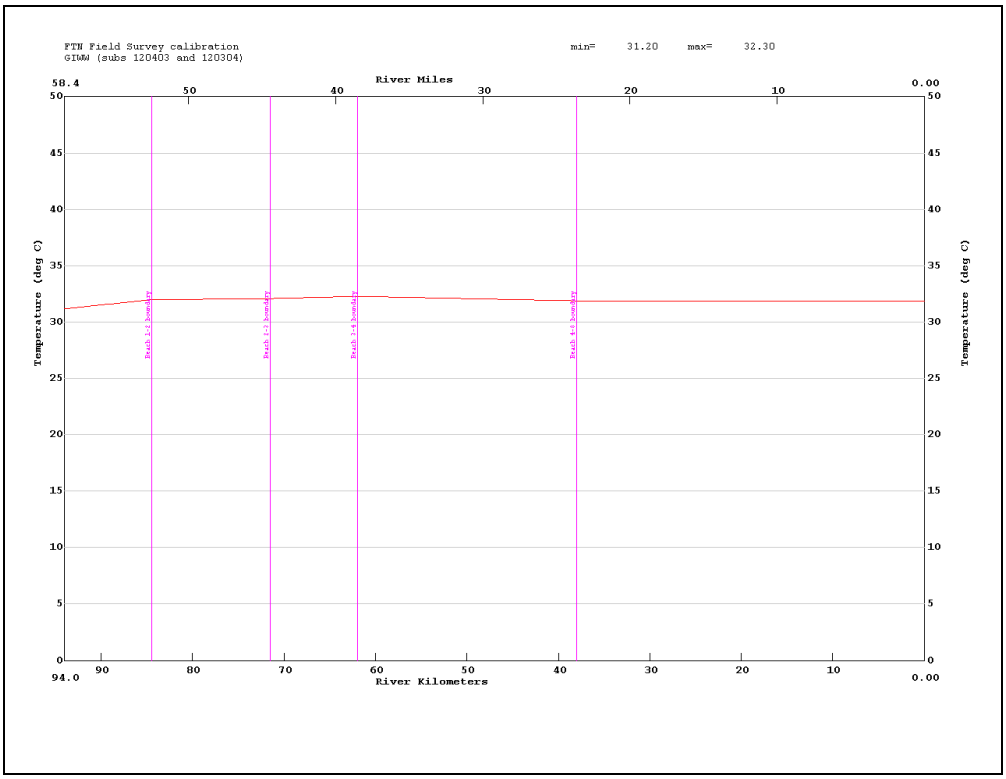


**Figure E-9. Temperature modeling results for subsegments 120304 and 120403.**

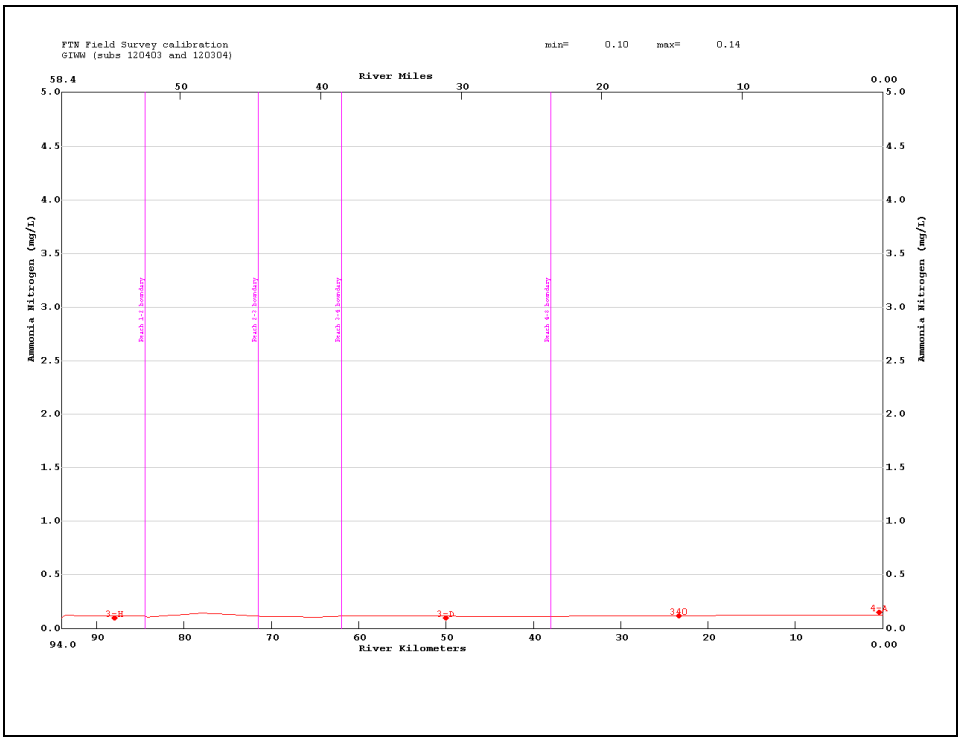


**Figure E-10. Ammonia modeling results for subsegments 120304 and 120403.**

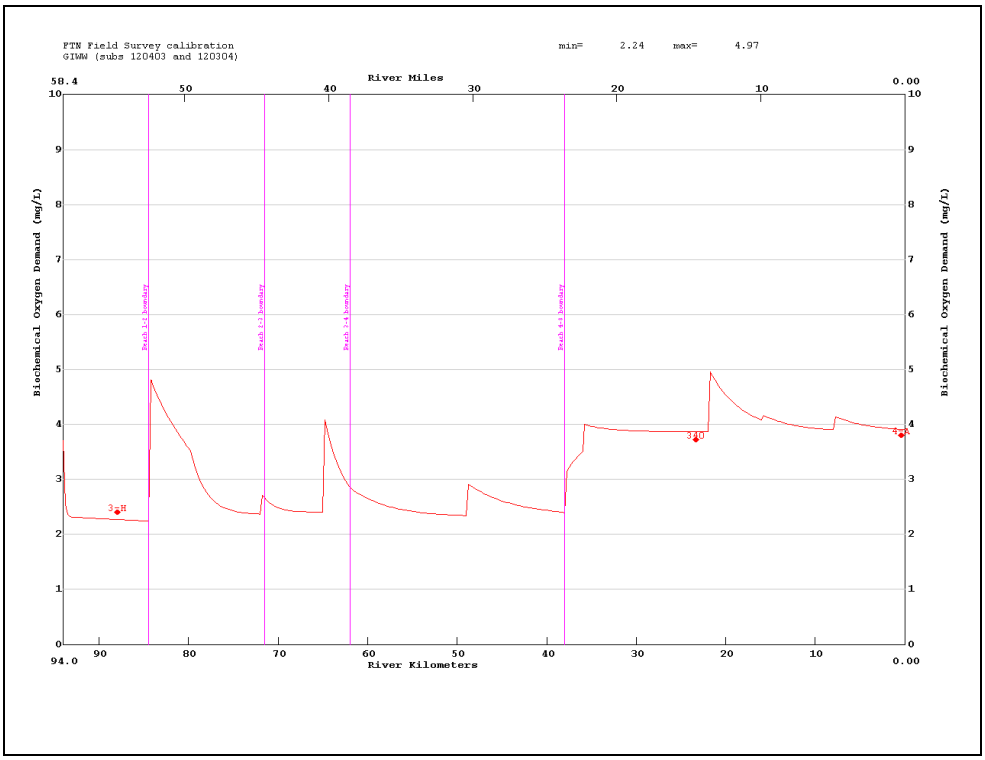


**Figure E-11. BOD modeling results for subsegments 120304 and 120403.**

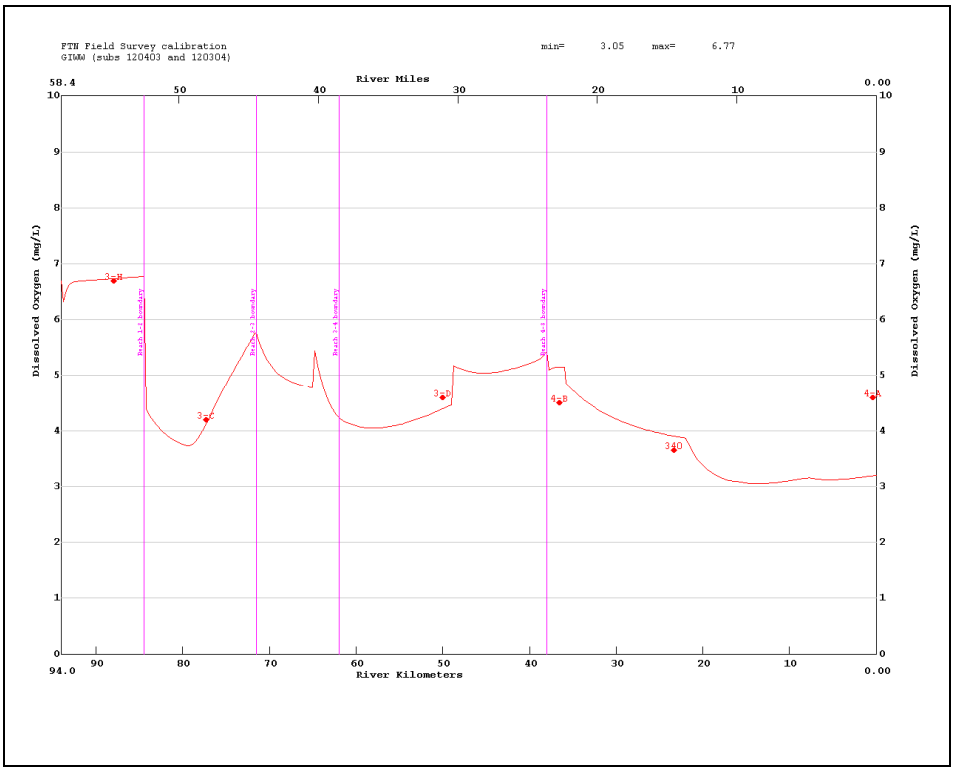


**Figure E-12. DO modeling results for subsegments 120304 and 120403.**

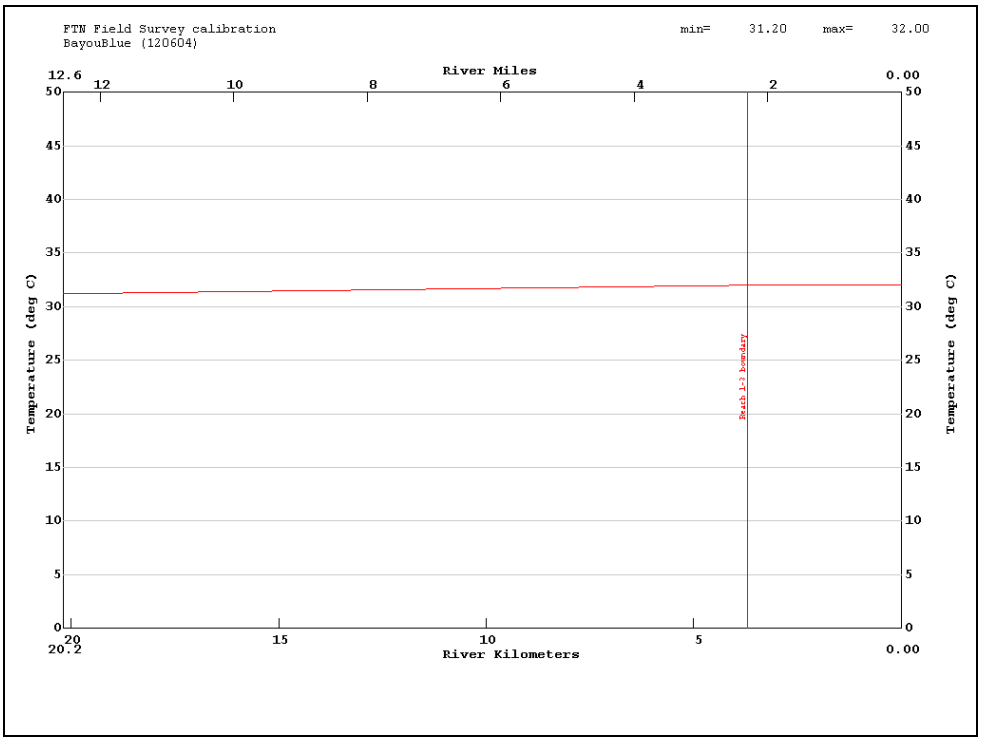


**Figure E-13. Temperature modeling results for subsegment 120604.**

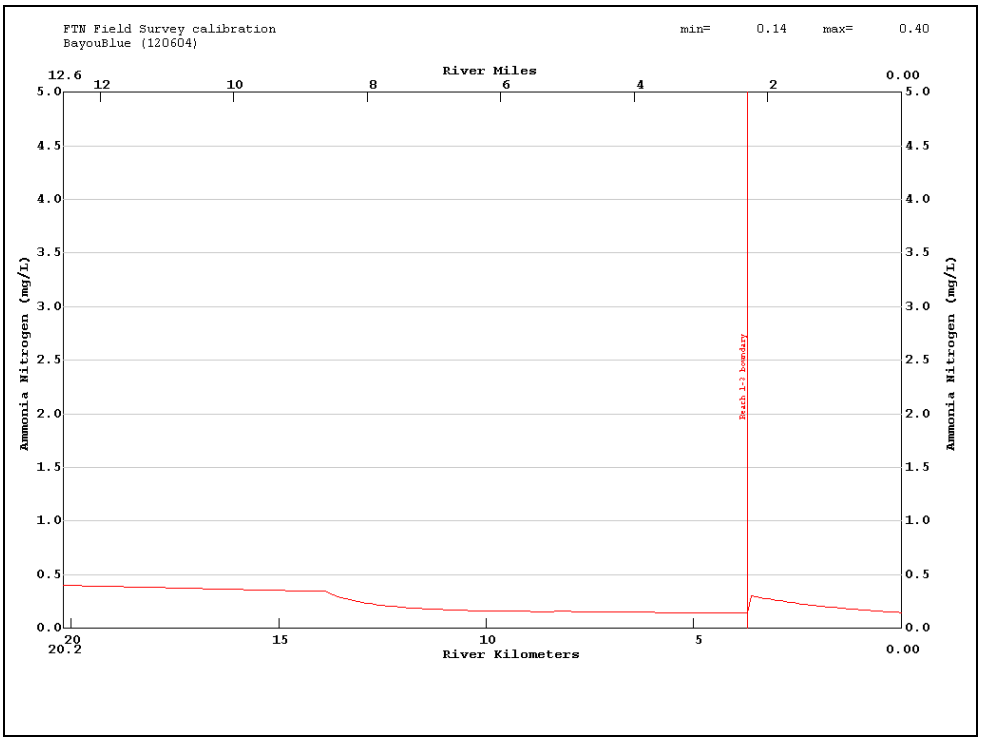


**Figure E-14. Ammonia modeling results for subsegment 120604.**

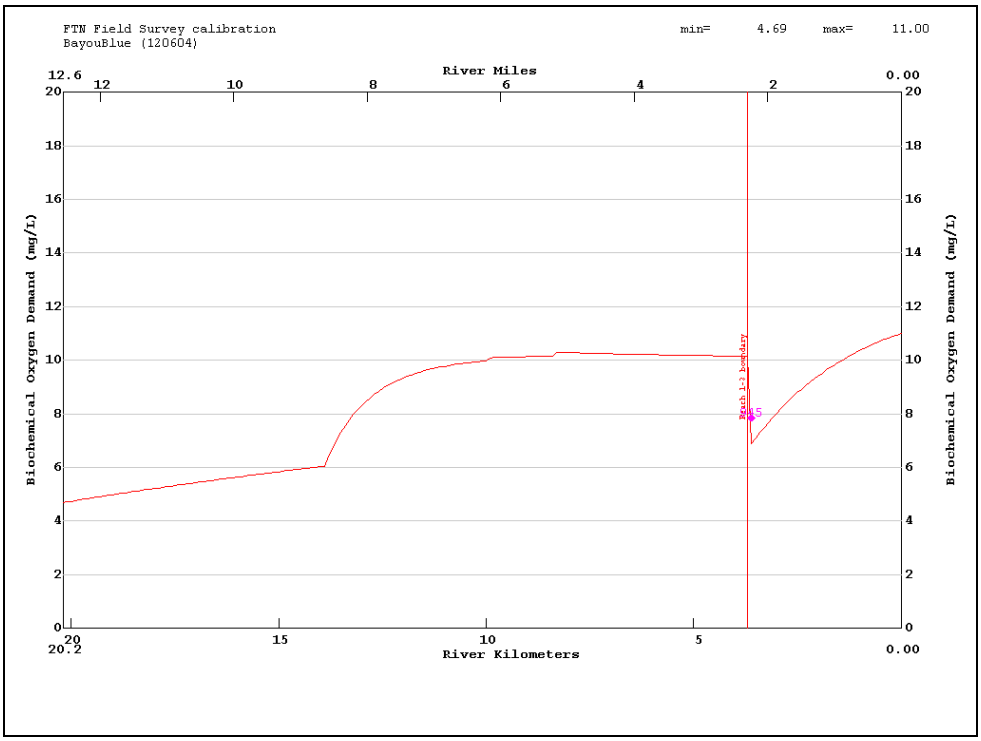


**Figure E-15. BOD modeling results for subsegment 120604.**

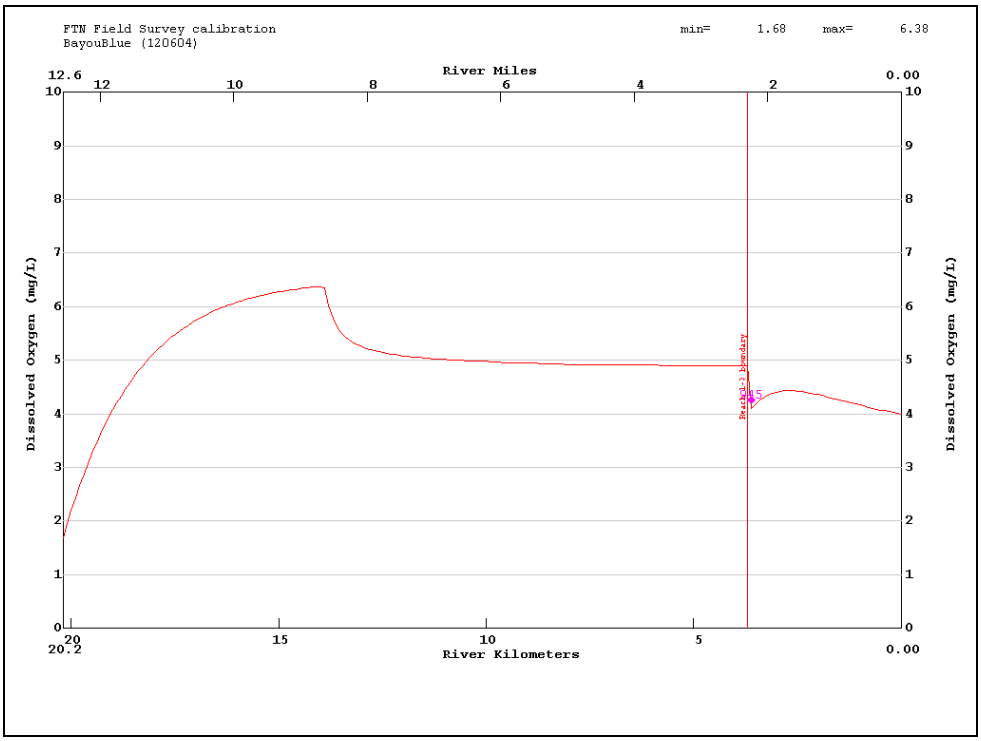


**Figure E-16. DO modeling results for subsegment 120604.**

# APPENDIX F:
# MODEL OUTPUT FOR TMDL

TMDL output file for subsegments 120202/120304/120403 ..... 1
TMDL output file for subsegment 120204 ..... 154
TMDL output file for subsegment 120604 ..... 251

## TMDL output file for subsegments 120202/120304/120403

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is C:\Documents and Settings\msievers\My Documents\Files\TETRA\LA\Models\MT\GIBB_TMDL_wha.txt
Output produced at 21:35 on 10/16/2007

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE      CONTROL TITLES

TITLE01        LA-QUAL calibration for Gulf ICWW and Bayou Black
TITLE02        FTN Field Survey calibration
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE      MODEL OPTION

MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE

PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
```

```
 CARD TYPE     RATE CODE     THETA VALUE

THETA       NH3 DECA       1.07000
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   IC  Gulf ICWW                    94.00  TO   84.50   0.2500     9.50     38       1     38
REACH ID     2   IC  Gulf ICWW                    84.50  TO   71.50   0.2500    13.00     52      39     90
REACH ID     3   IC  Gulf ICWW                    71.50  TO   62.00   0.2500     9.50     38      91    128
REACH ID     4   IC  Gulf ICWW                    62.00  TO   38.00   0.2500    24.00     96     129    224
REACH ID     5   BB  Bayou Black                  45.00  TO   38.75   0.2500     6.25     25     225    249
REACH ID     6   BB  Bayou Black                  38.75  TO   30.00   0.2500     8.75     35     250    284
REACH ID     7   BB  Bayou Black                  30.00  TO    0.00   0.2500    30.00    120     285    404
REACH ID     8   IC  Gulf ICWW                    38.00  TO    0.00   0.2500    38.00    152     405    556
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   IC      0.000      0.000    182.490      0.000      0.000      9.300    0.00000   0.000
HYDR-1       2   IC      0.000      0.000    209.060      0.000      0.000     13.350    0.00000   0.000
HYDR-1       3   IC      0.000      0.000    395.300      0.000      0.000     12.770    0.00000   0.000
HYDR-1       4   IC      0.000      0.000    190.000      0.000      0.000     12.190    0.00000   0.000
HYDR-1       5   BB      0.000      0.000    196.710      0.000      0.000      4.570    0.00000   0.000
HYDR-1       6   BB      0.000      0.000     31.170      0.000      0.000      1.160    0.00000   0.000
HYDR-1       7   BB      0.000      0.000     31.170      0.000      0.000      1.160    0.00000   0.000
```

```
HYDR-1      8  IC     0.000     0.000    155.800     0.000     0.000     12.800    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  IC     31.20     0.00     6.70     0.10     0.00     0.00    20.00     0.00
INITIAL        2  IC     32.00     0.00     5.50     0.11     0.00     0.00    20.00     0.00
INITIAL        3  IC     32.10     0.00     5.05     0.12     0.00     0.00    20.00     0.00
INITIAL        4  IC     32.30     0.00     4.60     0.13     0.00     0.00    20.00     0.00
INITIAL        5  BB     32.10     0.00     5.70     0.10     0.00     0.00    25.00     0.00
INITIAL        6  BB     32.00     0.00     6.08     0.10     0.00     0.00    25.00     0.00
INITIAL        7  BB     32.00     0.00     6.08     0.10     0.00     0.00    50.00     0.00
INITIAL        8  IC     31.90     0.00     4.30     0.14     0.00     0.00    24.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                          BOD    ANAER                    BOD2    ANAER
CARD    RCH  RCH  K2              K2      K2      K2   BKGRND     BOD      BOD     CONV    BOD2    BOD2    BOD2    CONV    BOD2
TYPE    NUM   ID  OPT            "A"     "B"     "C"     SOD   DECAY     SETT   TO SOD   DECAY   DECAY    SETT   TO SOD   DECAY
                                        g/m²/d  per day     m/d            per day  per day     m/d            per day

COEFF-1   1  IC  21 YU          0.000   0.000   0.000   1.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   2  IC  21 YU          0.000   0.000   0.000   1.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   3  IC  21 YU          0.000   0.000   0.000   2.000   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   4  IC  21 YU          0.000   0.000   0.000   2.200   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   5  BB  21 YU          0.000   0.000   0.000   0.700   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   6  BB  21 YU          0.000   0.000   0.000   0.700   0.150   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   7  BB  21 YU          0.000   0.000   0.000   1.300   0.170   0.000   1.000   0.000   0.000   0.000   0.000   0.000
COEFF-1   8  IC  21 YU          0.000   0.000   0.000   1.300   0.150   0.000   1.000   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  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        2  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        3  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        4  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        5  BB     0.020    0.000    1.000    0.200    0.000    0.000    0.000
```

```
COEFF-2      6  BB    0.020   0.000   1.000    0.200   0.000   0.000   0.000
COEFF-2      7  BB    0.020   0.000   1.000    0.200   0.000   0.000   0.000
COEFF-2      8  IC    0.020   0.000   1.000    0.130   0.000   0.000   0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$

CARD TYPE    REACH  ID    SECCHI   ALGAE:   ALGAE   ALG CONV   ALGAE   ALGAE   MACRO   MACRO
                          DEPTH    CHL A    SETT    TO SOD     GROW    RESP    GROW    RESP  SHADING

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE    REACH  ID   COLIFORM    NCM     NCM   NCM CONV
                         DIE-OFF    DECAY   SETT   TO SOD

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE    REACH  ID    OUTFLOW    INFLOW    TEMP    SALIN    CM-I    CM-II   IN/DIST  OUT/DIST

INCR-1       1  IC    0.00000   1.00000   30.90   0.00    0.00    0.00   0.10526   0.00000
INCR-1       2  IC    0.00000   0.85500   30.90   0.00    0.00    0.00   0.06577   0.00000
INCR-1       3  IC    0.00000   0.62500   30.90   0.00    0.00    0.00   0.06579   0.00000
INCR-1       4  IC    0.00000   1.57800   30.90   0.00    0.00    0.00   0.06575   0.00000
INCR-1       5  BB    0.00000   0.10000   29.70   0.00    0.00    0.00   0.01600   0.00000
INCR-1       6  BB    0.00000   0.10000   29.70   0.00    0.00    0.00   0.01143   0.00000
INCR-1       7  BB    0.00000   0.17200   29.70   0.00    0.00    0.00   0.00573   0.00000
INCR-1       8  IC    0.00000   3.25600   32.10   0.00    0.00    0.00   0.08568   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  IC    7.22   6.67   1.40   0.10    0.00    0.00
INCR-2       2  IC    7.22   6.67   1.40   0.10    0.00    0.00
INCR-2       3  IC    7.22   6.67   1.40   0.10    0.00    0.00
INCR-2       4  IC    7.22   6.67   1.40   0.10    0.00    0.00
INCR-2       5  BB    5.00   3.70   1.10   0.10    0.00    0.00
INCR-2       6  BB    5.00   3.70   1.10   0.10    0.00    0.00
INCR-2       7  BB    5.00   3.70   1.10   0.10    0.00    0.00
INCR-2       8  IC    7.22   6.67   1.40   0.10    0.00    0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE    REACH  ID    PHOS    CHL A    COLI    NCM
```

```
ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE     REACH  ID      BOD#1     ORG-N     COLI      NCM       DO     BOD#2

NONPOINT        1   IC    6300.00   364.00     0.00      0.00      0.00     0.00
NONPOINT        2   IC   15400.00   420.00     0.00      0.00      0.00     0.00
NONPOINT        3   IC   21000.00   840.00     0.00      0.00      0.00     0.00
NONPOINT        4   IC   23100.00   980.00     0.00      0.00      0.00     0.00
NONPOINT        5   BB     212.00     4.00     0.00      0.00      0.00     0.00
NONPOINT        6   BB     255.00     8.00     0.00      0.00      0.00     0.00
NONPOINT        7   BB     446.00     8.00     0.00      0.00      0.00     0.00
NONPOINT        8   IC   46500.00  1240.00     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     ICWW                0   0.25500    9.004   31.20     0.00     0.000     0.000   0.00
HDWTR-1      225     Bayou Black         0   0.00700    0.247   32.00     0.00     0.000     0.000   0.00
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE    ELEMENT   NAME                     DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                             mg/L     mg/L     mg/L     mg/L     mg/L     mg/L

HDWTR-2        1     ICWW                  6.70     3.70     1.30     0.10     0.00     0.00
HDWTR-2      225     Bayou Black           5.00     9.75     1.41     0.30     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      405     224     38.00    ICWW and Bayou Black
ENDATA23
```

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

| CARD TYPE | ELEMENT | RKILO | NAME | FLOW m³/s | FLOW cfs | FLOW MGD | TEMP deg C | SALIN ppt | CM-I | CM-II |
|---|---|---|---|---|---|---|---|---|---|---|
| WSTLD-1 | 39 | 84.50 | Bayou Boeuff | 47.90509 | 1691.56396 | 1093.448 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 57 | 80.00 | Bayou Chene | -36.47580 | -1287.98730 | -832.571 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 89 | 72.00 | Unnamed Canal | 1.55720 | 54.98587 | 35.544 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 117 | 65.00 | Copasaw Canal | 15.28886 | 539.86090 | 348.973 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 181 | 49.00 | Minors Canal South | 4.47341 | 157.95940 | 102.107 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 181 | 49.00 | Minors Canal North | -0.52378 | -18.49506 | -11.955 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 221 | 39.00 | Houma Nav. Can. | -23.81100 | -840.78394 | -543.493 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 223 | 38.50 | PS ICWW#1 | 0.00003 | 0.00106 | 0.001 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 260 | 36.25 | LAG531469 | 0.00014 | 0.00494 | 0.003 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 268 | 34.25 | LAG540726 | 0.00004 | 0.00141 | 0.001 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 278 | 31.75 | PS Black Bayou#1 | 0.00150 | 0.05297 | 0.034 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 292 | 28.25 | PS Black Bayou#2 | 0.00192 | 0.06780 | 0.044 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 312 | 23.25 | LAG541223 | 0.00071 | 0.02507 | 0.016 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 331 | 18.50 | PS Black Bayou#3 | 0.00018 | 0.00636 | 0.004 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 339 | 16.50 | LAG541317 | 0.00042 | 0.01483 | 0.010 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 352 | 13.25 | LA0111236 | 0.00566 | 0.19986 | 0.129 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 369 | 9.00 | PS Hanson Canal | 0.00160 | 0.05650 | 0.037 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 372 | 8.25 | LA0074331 | 0.00001 | 0.00035 | 0.000 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 373 | 8.00 | Minors Canal | 0.52662 | 18.59534 | 12.020 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 401 | 1.00 | Little Bayou Black | 1.30238 | 45.98800 | 29.727 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 402 | 0.75 | PS Lil Bayou Black | 0.00039 | 0.01377 | 0.009 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 413 | 36.00 | Bayou Terrebonne W. | 1.41564 | 49.98729 | 32.312 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 413 | 36.00 | Bayou Terrebonne E. | -0.96263 | -33.99117 | -21.972 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 417 | 35.00 | LA0111376 | 0.00001 | 0.00035 | 0.000 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 461 | 24.00 | LA0104868 | 0.00005 | 0.00177 | 0.001 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 467 | 22.50 | LA0089648 | 0.00344 | 0.12147 | 0.079 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 469 | 22.00 | Company Canal North | 4.16197 | 146.96222 | 94.998 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 469 | 22.00 | Company Canal South | -0.53794 | -18.99506 | -12.279 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 493 | 16.00 | St Louis Canal | 0.45300 | 15.99576 | 10.340 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 525 | 8.00 | Bayou Bleu North | 1.21745 | 42.98906 | 27.789 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 541 | 4.00 | Bayou Bleu South | -0.39638 | -13.99647 | -9.047 | 31.20 | 0.00 | 0.000 | 0.000 |
| WSTLD-1 | 549 | 2.00 | PS ICWW#2 | 0.00004 | 0.00141 | 0.001 | 31.20 | 0.00 | 0.000 | 0.000 |

ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$

| CARD TYPE | ELEMENT | NAME | DO mg/L | % BOD mg/L | BOD mg/L | % RMVL mg/L | ORG-N mg/L | NH3-N mg/L | NITRIF | NO3-N | BOD#2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WSTLD-2 | 39 | Bayou Boeuff | 5.00 | 3.50 | 0.00 | 1.60 | 0.10 | 0.00 | 0.00 | 0.00 | |
| WSTLD-2 | 57 | Bayou Chene | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| WSTLD-2 | 89 | Unnamed Canal | 6.60 | 4.30 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | |
| WSTLD-2 | 117 | Copasaw Canal | 6.60 | 6.20 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | |
| WSTLD-2 | 181 | Minors Canal South | 10.40 | 7.20 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | |
| WSTLD-2 | 181 | Minors Canal North | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

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WSTLD-2    221  Houma Nav. Can.      0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2    223  PS ICWW#1          5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    260  LAG531469          5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    268  LAG540726          5.00  30.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    278  PS Black Bayou#1     5.00  24.70   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    292  PS Black Bayou#2     5.00  22.90   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    312  LAG541223          5.00  30.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    331  PS Black Bayou#3     5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    339  LAG541317          5.00  30.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    352  LA0111236          5.00  25.00   0.00   1.40  20.00   0.00   2.00   0.00
WSTLD-2    369  PS Hanson Canal      5.00  11.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    372  LA0074331          5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    373  Minors Canal      10.40   3.00   0.00   1.40   0.10   0.00   0.00   0.00
WSTLD-2    401  Little Bayou Black   5.00   4.00   0.00   1.63   0.14   0.00   0.00   0.00
WSTLD-2    402  PS Lil Bayou Black   5.00  45.00   0.00   1.63   1.50   0.00   2.00   0.00
WSTLD-2    413  Bayou Terrebonne W.   5.00   9.40   0.00   1.63   0.14   0.00   0.00   0.00
WSTLD-2    413  Bayou Terrebonne E.   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2    417  LA0111376          5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    461  LA0104868          5.00  45.00   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    467  LA0089648          5.00  30.80   0.00   1.40   1.50   0.00   2.00   0.00
WSTLD-2    469  Company Canal North   5.00   9.80   0.00   1.34   0.10   0.00   0.00   0.00
WSTLD-2    469  Company Canal South   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2    493  St Louis Canal     5.00   8.70   0.00   0.90   0.10   0.00   0.00   0.00
WSTLD-2    525  Bayou Bleu North     5.00   8.70   0.00   0.90   0.10   0.00   0.00   0.00
WSTLD-2    541  Bayou Bleu South     0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
WSTLD-2    549  PS ICWW#2          5.00  45.00   0.00   1.40   1.50   0.00   2.00   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 = 2
NUMBER OF REACHES IN PLOT 1 = 5
PLOT RCH 1 2 3 4 8
NUMBER OF REACHES IN PLOT 2 = 3
PLOT RCH 5 6 7
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 GIWW_TMDL.ovl :GIWW (subs 120403 and 120304)
OVERLAY 2 Black_TMDL.ovl :Bayou Black (Sub 120202)
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 8 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING: NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
.....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12

INTERMEDIATE REPORT
Dissolved Oxygen LA-QUAL calibration for Gulf ICWW and Bayou Black
mg/L FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 7.30 | 7.99 | 8.34 | 8.51 | 8.59 | 8.63 | 8.66 | 8.68 | 8.69 | 8.70 |
| IC | 1 | 11 | 8.70 | 8.71 | 8.71 | 8.72 | 8.72 | 8.72 | 8.73 | 8.73 | 8.73 | 8.73 |
| IC | 1 | 21 | 8.74 | 8.74 | 8.74 | 8.74 | 8.75 | 8.75 | 8.75 | 8.75 | 8.76 | 8.76 |
| IC | 1 | 31 | 8.76 | 8.76 | 8.77 | 8.77 | 8.77 | 8.77 | 8.78 | 8.78 | | |
| IC | 2 | 39 | 5.08 | 5.06 | 5.05 | 5.04 | 5.04 | 5.03 | 5.03 | 5.03 | 5.03 | 5.03 |
| IC | 2 | 49 | 5.04 | 5.05 | 5.05 | 5.06 | 5.08 | 5.09 | 5.10 | 5.12 | 5.13 | 5.21 |
| IC | 2 | 59 | 5.30 | 5.39 | 5.49 | 5.60 | 5.71 | 5.82 | 5.93 | 6.05 | 6.16 | 6.27 |
| IC | 2 | 69 | 6.39 | 6.50 | 6.61 | 6.72 | 6.82 | 6.93 | 7.03 | 7.13 | 7.23 | 7.32 |
| IC | 2 | 79 | 7.41 | 7.50 | 7.59 | 7.68 | 7.76 | 7.84 | 7.92 | 8.00 | 8.08 | 8.15 |
| IC | 2 | 89 | 8.03 | 8.07 | | | | | | | | |
| IC | 3 | 91 | 7.98 | 7.91 | 7.86 | 7.81 | 7.77 | 7.73 | 7.70 | 7.68 | 7.66 | 7.64 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 3 | 101 | 7.62 | 7.61 | 7.60 | 7.59 | 7.59 | 7.58 | 7.58 | 7.58 | 7.57 | 7.57 |
| IC | 3 | 111 | 7.57 | 7.57 | 7.58 | 7.58 | 7.58 | 7.58 | 6.87 | 6.67 | 6.51 | 6.37 |
| IC | 3 | 121 | 6.25 | 6.16 | 6.08 | 6.02 | 5.97 | 5.93 | 5.91 | 5.89 | | |
| IC | 4 | 129 | 5.87 | 5.86 | 5.85 | 5.84 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 |
| IC | 4 | 139 | 5.83 | 5.84 | 5.84 | 5.85 | 5.86 | 5.87 | 5.88 | 5.89 | 5.90 | 5.92 |
| IC | 4 | 149 | 5.93 | 5.95 | 5.96 | 5.98 | 5.99 | 6.01 | 6.03 | 6.05 | 6.07 | 6.09 |
| IC | 4 | 159 | 6.11 | 6.13 | 6.15 | 6.17 | 6.19 | 6.21 | 6.24 | 6.26 | 6.28 | 6.30 |
| IC | 4 | 169 | 6.33 | 6.35 | 6.37 | 6.40 | 6.42 | 6.45 | 6.47 | 6.49 | 6.52 | 6.54 |
| IC | 4 | 179 | 6.57 | 6.59 | 7.05 | 7.03 | 7.02 | 7.01 | 7.00 | 7.00 | 6.99 | 6.99 |
| IC | 4 | 189 | 6.99 | 6.99 | 6.99 | 6.99 | 7.00 | 7.00 | 7.01 | 7.02 | 7.02 | 7.03 |
| IC | 4 | 199 | 7.04 | 7.05 | 7.07 | 7.08 | 7.09 | 7.11 | 7.12 | 7.14 | 7.15 | 7.17 |
| IC | 4 | 209 | 7.19 | 7.20 | 7.22 | 7.24 | 7.26 | 7.28 | 7.30 | 7.32 | 7.34 | 7.36 |
| IC | 4 | 219 | 7.38 | 7.40 | 7.42 | 7.48 | 7.55 | 7.61 | | | | |
| IC | 8 | 405 | 7.30 | 7.39 | 7.47 | 7.55 | 7.61 | 7.68 | 7.74 | 7.79 | 7.56 | 7.56 |
| IC | 8 | 415 | 7.57 | 7.58 | 7.59 | 7.61 | 7.62 | 7.64 | 7.66 | 7.68 | 7.70 | 7.72 |
| IC | 8 | 425 | 7.74 | 7.76 | 7.78 | 7.80 | 7.83 | 7.85 | 7.87 | 7.89 | 7.92 | 7.94 |
| IC | 8 | 435 | 7.96 | 7.98 | 8.00 | 8.03 | 8.05 | 8.07 | 8.09 | 8.11 | 8.13 | 8.15 |
| IC | 8 | 445 | 8.17 | 8.19 | 8.21 | 8.23 | 8.25 | 8.27 | 8.29 | 8.31 | 8.32 | 8.34 |
| IC | 8 | 455 | 8.36 | 8.38 | 8.39 | 8.41 | 8.42 | 8.44 | 8.46 | 8.47 | 8.49 | 8.50 |
| IC | 8 | 465 | 8.52 | 8.53 | 8.54 | 8.55 | 7.78 | 7.71 | 7.65 | 7.60 | 7.55 | 7.52 |
| IC | 8 | 475 | 7.48 | 7.45 | 7.43 | 7.41 | 7.40 | 7.38 | 7.38 | 7.37 | 7.37 | 7.37 |
| IC | 8 | 485 | 7.37 | 7.37 | 7.38 | 7.39 | 7.40 | 7.41 | 7.42 | 7.43 | 7.39 | 7.40 |
| IC | 8 | 495 | 7.41 | 7.42 | 7.43 | 7.44 | 7.46 | 7.47 | 7.49 | 7.50 | 7.52 | 7.54 |
| IC | 8 | 505 | 7.56 | 7.57 | 7.59 | 7.61 | 7.63 | 7.65 | 7.67 | 7.69 | 7.71 | 7.73 |
| IC | 8 | 515 | 7.75 | 7.77 | 7.79 | 7.81 | 7.83 | 7.85 | 7.87 | 7.89 | 7.91 | 7.93 |
| IC | 8 | 525 | 7.78 | 7.78 | 7.79 | 7.79 | 7.80 | 7.81 | 7.81 | 7.82 | 7.83 | 7.84 |
| IC | 8 | 535 | 7.85 | 7.87 | 7.88 | 7.89 | 7.90 | 7.92 | 7.93 | 7.94 | 7.96 | 7.97 |
| IC | 8 | 545 | 7.99 | 8.00 | 8.02 | 8.03 | 8.05 | 8.06 | 8.08 | 8.09 | 8.11 | 8.12 |
| IC | 8 | 555 | 8.14 | 8.15 | | | | | | | | |
| BB | 5 | 225 | 10.88 | 11.16 | 11.17 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 |
| BB | 5 | 235 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 |
| BB | 5 | 245 | 11.18 | 11.18 | 11.18 | 11.18 | 11.18 | | | | | |
| BB | 6 | 250 | 9.27 | 8.15 | 7.48 | 7.07 | 6.81 | 6.65 | 6.55 | 6.50 | 6.46 | 6.45 |
| BB | 6 | 260 | 6.44 | 6.45 | 6.46 | 6.48 | 6.50 | 6.53 | 6.56 | 6.59 | 6.62 | 6.65 |
| BB | 6 | 270 | 6.69 | 6.72 | 6.76 | 6.79 | 6.83 | 6.87 | 6.90 | 6.94 | 6.95 | 6.97 |
| BB | 6 | 280 | 7.01 | 7.05 | 7.09 | 7.13 | 7.17 | | | | | |
| BB | 7 | 285 | 6.79 | 6.54 | 6.37 | 6.26 | 6.20 | 6.15 | 6.13 | 6.09 | 6.07 | 6.07 |
| BB | 7 | 295 | 6.07 | 6.07 | 6.07 | 6.08 | 6.08 | 6.09 | 6.09 | 6.09 | 6.10 | 6.09 |
| BB | 7 | 305 | 6.09 | 6.09 | 6.09 | 6.08 | 6.08 | 6.07 | 6.06 | 6.05 | 6.03 | 6.02 |
| BB | 7 | 315 | 6.01 | 6.00 | 5.99 | 5.98 | 5.97 | 5.97 | 5.96 | 5.95 | 5.94 | 5.93 |
| BB | 7 | 325 | 5.92 | 5.91 | 5.90 | 5.89 | 5.87 | 5.86 | 5.85 | 5.84 | 5.82 | 5.81 |
| BB | 7 | 335 | 5.80 | 5.79 | 5.78 | 5.77 | 5.75 | 5.74 | 5.72 | 5.71 | 5.70 | 5.69 |
| BB | 7 | 345 | 5.68 | 5.66 | 5.65 | 5.64 | 5.63 | 5.62 | 5.61 | 5.41 | 5.28 | 5.19 |
| BB | 7 | 355 | 5.13 | 5.10 | 5.08 | 5.08 | 5.08 | 5.09 | 5.10 | 5.12 | 5.13 | 5.15 |
| BB | 7 | 365 | 5.16 | 5.17 | 5.18 | 5.19 | 5.19 | 5.19 | 5.20 | 5.20 | 8.04 | 7.78 |
| BB | 7 | 375 | 7.53 | 7.30 | 7.10 | 6.91 | 6.74 | 6.58 | 6.43 | 6.30 | 6.18 | 6.07 |
| BB | 7 | 385 | 5.97 | 5.87 | 5.79 | 5.71 | 5.64 | 5.57 | 5.51 | 5.45 | 5.40 | 5.35 |
| BB | 7 | 395 | 5.30 | 5.26 | 5.22 | 5.18 | 5.15 | 5.12 | 5.02 | 4.99 | 4.96 | 4.93 |

INTERMEDIATE REPORT
Effective BOD
mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 2.01 | 1.72 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 | 1.65 | 1.65 |
| IC | 1 | 11 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 |
| IC | 1 | 21 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| IC | 1 | 31 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | | |
| IC | 2 | 39 | 3.38 | 3.31 | 3.24 | 3.17 | 3.11 | 3.05 | 3.00 | 2.94 | 2.89 | 2.84 |
| IC | 2 | 49 | 2.79 | 2.74 | 2.70 | 2.66 | 2.62 | 2.58 | 2.54 | 2.50 | 2.47 | 2.36 |
| IC | 2 | 59 | 2.26 | 2.18 | 2.11 | 2.04 | 1.99 | 1.95 | 1.91 | 1.87 | 1.84 | 1.82 |
| IC | 2 | 69 | 1.80 | 1.78 | 1.76 | 1.75 | 1.74 | 1.73 | 1.72 | 1.71 | 1.71 | 1.70 |
| IC | 2 | 79 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 |
| IC | 2 | 89 | 1.91 | 1.88 | | | | | | | | |
| IC | 3 | 91 | 1.84 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.73 | 1.72 | 1.72 | 1.71 |
| IC | 3 | 101 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.69 | 1.69 |
| IC | 3 | 111 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 3.68 | 3.46 | 3.26 | 3.08 |
| IC | 3 | 121 | 2.93 | 2.79 | 2.67 | 2.56 | 2.46 | 2.37 | 2.30 | 2.23 | | |
| IC | 4 | 129 | 2.19 | 2.16 | 2.13 | 2.11 | 2.08 | 2.06 | 2.03 | 2.01 | 1.99 | 1.97 |
| IC | 4 | 139 | 1.95 | 1.93 | 1.92 | 1.90 | 1.89 | 1.87 | 1.86 | 1.85 | 1.83 | 1.82 |
| IC | 4 | 149 | 1.81 | 1.80 | 1.79 | 1.79 | 1.78 | 1.77 | 1.76 | 1.75 | 1.75 | 1.74 |
| IC | 4 | 159 | 1.74 | 1.73 | 1.72 | 1.72 | 1.72 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 |
| IC | 4 | 169 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 |
| IC | 4 | 179 | 1.67 | 1.67 | 2.32 | 2.28 | 2.25 | 2.22 | 2.20 | 2.17 | 2.15 | 2.12 |
| IC | 4 | 189 | 2.10 | 2.08 | 2.06 | 2.04 | 2.02 | 2.00 | 1.99 | 1.97 | 1.95 | 1.94 |
| IC | 4 | 199 | 1.93 | 1.91 | 1.90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.85 | 1.84 | 1.83 |
| IC | 4 | 209 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 | 1.78 | 1.77 | 1.77 | 1.76 |
| IC | 4 | 219 | 1.76 | 1.75 | 1.75 | 1.73 | 1.72 | 1.72 | | | | |
| IC | 8 | 405 | 1.96 | 2.00 | 2.04 | 2.08 | 2.11 | 2.14 | 2.17 | 2.19 | 2.77 | 2.74 |
| IC | 8 | 415 | 2.72 | 2.69 | 2.67 | 2.65 | 2.63 | 2.61 | 2.59 | 2.58 | 2.57 | 2.55 |
| IC | 8 | 425 | 2.54 | 2.53 | 2.52 | 2.52 | 2.51 | 2.50 | 2.50 | 2.49 | 2.48 | 2.48 |
| IC | 8 | 435 | 2.48 | 2.47 | 2.47 | 2.46 | 2.46 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 |
| IC | 8 | 445 | 2.45 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| IC | 8 | 455 | 2.44 | 2.44 | 2.44 | 2.44 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 |
| IC | 8 | 465 | 2.43 | 2.43 | 2.44 | 2.44 | 3.80 | 3.71 | 3.62 | 3.54 | 3.46 | 3.39 |
| IC | 8 | 475 | 3.32 | 3.26 | 3.20 | 3.15 | 3.10 | 3.06 | 3.01 | 2.97 | 2.94 | 2.90 |
| IC | 8 | 485 | 2.87 | 2.84 | 2.81 | 2.79 | 2.76 | 2.74 | 2.72 | 2.70 | 2.80 | 2.77 |
| IC | 8 | 495 | 2.75 | 2.73 | 2.71 | 2.69 | 2.67 | 2.66 | 2.64 | 2.63 | 2.62 | 2.60 |
| IC | 8 | 505 | 2.59 | 2.58 | 2.57 | 2.56 | 2.55 | 2.55 | 2.54 | 2.53 | 2.52 | 2.52 |
| IC | 8 | 515 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.47 |
| IC | 8 | 525 | 2.78 | 2.76 | 2.74 | 2.72 | 2.70 | 2.68 | 2.67 | 2.65 | 2.64 | 2.63 |
| IC | 8 | 535 | 2.62 | 2.60 | 2.59 | 2.58 | 2.57 | 2.57 | 2.56 | 2.55 | 2.54 | 2.53 |
| IC | 8 | 545 | 2.53 | 2.52 | 2.52 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.49 |
| IC | 8 | 555 | 2.48 | 2.48 | | | | | | | | |
| BB | 5 | 225 | 0.26 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BB | 5 | 235 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BB | 5 | 245 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 6 | 250 | 0.82 | 1.32 | 1.71 | 2.01 | 2.24 | 2.42 | 2.56 | 2.68 | 2.77 | 2.84 |
| BB | 6 | 260 | 2.93 | 2.97 | 3.00 | 3.03 | 3.05 | 3.07 | 3.08 | 3.09 | 3.11 | 3.12 |
| BB | 6 | 270 | 3.12 | 3.13 | 3.13 | 3.13 | 3.14 | 3.14 | 3.14 | 3.14 | 3.29 | 3.27 |
| BB | 6 | 280 | 3.26 | 3.24 | 3.23 | 3.22 | 3.21 | | | | | |
| BB | 7 | 285 | 2.98 | 2.79 | 2.61 | 2.47 | 2.34 | 2.23 | 2.14 | 2.21 | 2.12 | 2.04 |
| BB | 7 | 295 | 1.97 | 1.91 | 1.86 | 1.82 | 1.78 | 1.74 | 1.71 | 1.69 | 1.66 | 1.64 |
| BB | 7 | 305 | 1.63 | 1.61 | 1.60 | 1.59 | 1.58 | 1.57 | 1.56 | 1.62 | 1.61 | 1.60 |
| BB | 7 | 315 | 1.59 | 1.58 | 1.57 | 1.56 | 1.55 | 1.55 | 1.54 | 1.54 | 1.53 | 1.53 |
| BB | 7 | 325 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 | 1.54 | 1.53 | 1.53 | 1.53 |
| BB | 7 | 335 | 1.52 | 1.52 | 1.52 | 1.52 | 1.55 | 1.55 | 1.54 | 1.54 | 1.53 | 1.53 |
| BB | 7 | 345 | 1.53 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.90 | 1.86 | 1.83 |
| BB | 7 | 355 | 1.80 | 1.77 | 1.75 | 1.72 | 1.70 | 1.68 | 1.67 | 1.65 | 1.64 | 1.63 |
| BB | 7 | 365 | 1.62 | 1.61 | 1.60 | 1.59 | 1.62 | 1.61 | 1.60 | 1.59 | 2.41 | 2.38 |
| BB | 7 | 375 | 2.35 | 2.32 | 2.29 | 2.26 | 2.23 | 2.21 | 2.18 | 2.16 | 2.14 | 2.11 |
| BB | 7 | 385 | 2.09 | 2.07 | 2.05 | 2.03 | 2.01 | 2.00 | 1.98 | 1.96 | 1.95 | 1.93 |
| BB | 7 | 395 | 1.92 | 1.90 | 1.89 | 1.88 | 1.86 | 1.85 | 3.09 | 3.08 | 3.05 | 3.03 |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 2.01 | 1.72 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 | 1.65 | 1.65 |
| IC | 1 | 11 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 |
| IC | 1 | 21 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| IC | 1 | 31 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | | |
| IC | 2 | 39 | 3.38 | 3.31 | 3.24 | 3.17 | 3.11 | 3.05 | 3.00 | 2.94 | 2.89 | 2.84 |
| IC | 2 | 49 | 2.79 | 2.74 | 2.70 | 2.66 | 2.62 | 2.58 | 2.54 | 2.50 | 2.47 | 2.36 |
| IC | 2 | 59 | 2.26 | 2.18 | 2.11 | 2.04 | 1.99 | 1.95 | 1.91 | 1.87 | 1.84 | 1.82 |
| IC | 2 | 69 | 1.80 | 1.78 | 1.76 | 1.75 | 1.74 | 1.73 | 1.72 | 1.71 | 1.71 | 1.70 |
| IC | 2 | 79 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 |
| IC | 2 | 89 | 1.91 | 1.88 | | | | | | | | |
| IC | 3 | 91 | 1.84 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.73 | 1.72 | 1.72 | 1.71 |
| IC | 3 | 101 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.69 | 1.69 |
| IC | 3 | 111 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 3.68 | 3.46 | 3.26 | 3.08 |
| IC | 3 | 121 | 2.93 | 2.79 | 2.67 | 2.56 | 2.46 | 2.37 | 2.30 | 2.23 | | |
| IC | 4 | 129 | 2.19 | 2.16 | 2.13 | 2.11 | 2.08 | 2.06 | 2.03 | 2.01 | 1.99 | 1.97 |
| IC | 4 | 139 | 1.95 | 1.93 | 1.92 | 1.90 | 1.89 | 1.87 | 1.86 | 1.85 | 1.83 | 1.82 |
| IC | 4 | 149 | 1.81 | 1.80 | 1.79 | 1.79 | 1.78 | 1.77 | 1.76 | 1.75 | 1.75 | 1.74 |
| IC | 4 | 159 | 1.74 | 1.73 | 1.72 | 1.72 | 1.72 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 |
| IC | 4 | 169 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 |
| IC | 4 | 179 | 1.67 | 1.67 | 2.32 | 2.28 | 2.25 | 2.22 | 2.20 | 2.17 | 2.15 | 2.12 |
| IC | 4 | 189 | 2.10 | 2.08 | 2.06 | 2.04 | 2.02 | 2.00 | 1.99 | 1.97 | 1.95 | 1.94 |
| IC | 4 | 199 | 1.93 | 1.91 | 1.90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.85 | 1.84 | 1.83 |
| IC | 4 | 209 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 | 1.78 | 1.77 | 1.77 | 1.76 |
| IC | 4 | 219 | 1.76 | 1.75 | 1.75 | 1.73 | 1.72 | 1.72 | | | | |
| IC | 8 | 405 | 1.96 | 2.00 | 2.04 | 2.08 | 2.11 | 2.14 | 2.17 | 2.19 | 2.77 | 2.74 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 415 | 2.72 | 2.69 | 2.67 | 2.65 | 2.63 | 2.61 | 2.59 | 2.58 | 2.57 | 2.55 |
| IC | 8 | 425 | 2.54 | 2.53 | 2.52 | 2.52 | 2.51 | 2.50 | 2.50 | 2.49 | 2.48 | 2.48 |
| IC | 8 | 435 | 2.48 | 2.47 | 2.47 | 2.46 | 2.46 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 |
| IC | 8 | 445 | 2.45 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| IC | 8 | 455 | 2.44 | 2.44 | 2.44 | 2.44 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 |
| IC | 8 | 465 | 2.43 | 2.43 | 2.44 | 2.44 | 3.80 | 3.71 | 3.62 | 3.54 | 3.46 | 3.39 |
| IC | 8 | 475 | 3.32 | 3.26 | 3.20 | 3.15 | 3.10 | 3.06 | 3.01 | 2.97 | 2.94 | 2.90 |
| IC | 8 | 485 | 2.87 | 2.84 | 2.81 | 2.79 | 2.76 | 2.74 | 2.72 | 2.70 | 2.80 | 2.77 |
| IC | 8 | 495 | 2.75 | 2.73 | 2.71 | 2.69 | 2.67 | 2.66 | 2.64 | 2.63 | 2.62 | 2.60 |
| IC | 8 | 505 | 2.59 | 2.58 | 2.57 | 2.56 | 2.55 | 2.55 | 2.54 | 2.53 | 2.52 | 2.52 |
| IC | 8 | 515 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.47 |
| IC | 8 | 525 | 2.78 | 2.76 | 2.74 | 2.72 | 2.70 | 2.68 | 2.67 | 2.65 | 2.64 | 2.63 |
| IC | 8 | 535 | 2.62 | 2.60 | 2.59 | 2.58 | 2.57 | 2.57 | 2.56 | 2.55 | 2.54 | 2.53 |
| IC | 8 | 545 | 2.53 | 2.52 | 2.52 | 2.51 | 2.51 | 2.50 | 2.50 | 2.49 | 2.49 | 2.49 |
| IC | 8 | 555 | 2.48 | 2.48 | | | | | | | | |
| BB | 5 | 225 | 0.26 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BB | 5 | 235 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| BB | 5 | 245 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | | | | | |
| BB | 6 | 250 | 0.82 | 1.32 | 1.71 | 2.01 | 2.24 | 2.42 | 2.56 | 2.68 | 2.77 | 2.84 |
| BB | 6 | 260 | 2.93 | 2.97 | 3.00 | 3.03 | 3.05 | 3.07 | 3.08 | 3.09 | 3.11 | 3.12 |
| BB | 6 | 270 | 3.12 | 3.13 | 3.13 | 3.13 | 3.14 | 3.14 | 3.14 | 3.14 | 3.29 | 3.27 |
| BB | 6 | 280 | 3.26 | 3.24 | 3.23 | 3.22 | 3.21 | | | | | |
| BB | 7 | 285 | 2.98 | 2.79 | 2.61 | 2.47 | 2.34 | 2.23 | 2.14 | 2.21 | 2.12 | 2.04 |
| BB | 7 | 295 | 1.97 | 1.91 | 1.86 | 1.82 | 1.78 | 1.74 | 1.71 | 1.69 | 1.66 | 1.64 |
| BB | 7 | 305 | 1.63 | 1.61 | 1.60 | 1.59 | 1.58 | 1.57 | 1.56 | 1.62 | 1.61 | 1.60 |
| BB | 7 | 315 | 1.59 | 1.58 | 1.57 | 1.56 | 1.55 | 1.55 | 1.54 | 1.54 | 1.53 | 1.53 |
| BB | 7 | 325 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.51 | 1.54 | 1.53 | 1.53 | 1.53 |
| BB | 7 | 335 | 1.52 | 1.52 | 1.52 | 1.52 | 1.55 | 1.55 | 1.54 | 1.54 | 1.53 | 1.53 |
| BB | 7 | 345 | 1.53 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.90 | 1.86 | 1.83 |
| BB | 7 | 355 | 1.80 | 1.77 | 1.75 | 1.72 | 1.70 | 1.68 | 1.67 | 1.65 | 1.64 | 1.63 |
| BB | 7 | 365 | 1.62 | 1.61 | 1.60 | 1.59 | 1.62 | 1.61 | 1.60 | 1.59 | 2.41 | 2.38 |
| BB | 7 | 375 | 2.35 | 2.32 | 2.29 | 2.26 | 2.23 | 2.21 | 2.18 | 2.16 | 2.14 | 2.11 |
| BB | 7 | 385 | 2.09 | 2.07 | 2.05 | 2.03 | 2.01 | 2.00 | 1.98 | 1.96 | 1.95 | 1.93 |
| BB | 7 | 395 | 1.92 | 1.90 | 1.89 | 1.88 | 1.86 | 1.85 | 3.09 | 3.08 | 3.05 | 3.03 |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 1.19 | 1.12 | 1.08 | 1.05 | 1.03 | 1.02 | 1.01 | 1.01 | 1.00 | 1.00 |
| IC | 1 | 11 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| IC | 1 | 21 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| IC | 1 | 31 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | | |
| IC | 2 | 39 | 1.58 | 1.57 | 1.57 | 1.57 | 1.56 | 1.56 | 1.55 | 1.55 | 1.54 | 1.54 |
| IC | 2 | 49 | 1.53 | 1.53 | 1.52 | 1.52 | 1.52 | 1.51 | 1.51 | 1.50 | 1.50 | 1.48 |
| IC | 2 | 59 | 1.47 | 1.45 | 1.43 | 1.42 | 1.40 | 1.39 | 1.38 | 1.36 | 1.35 | 1.33 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 2 | 69 | 1.32 | 1.31 | 1.29 | 1.28 | 1.27 | 1.26 | 1.25 | 1.23 | 1.22 | 1.21 |
| IC | 2 | 79 | 1.20 | 1.19 | 1.18 | 1.17 | 1.16 | 1.15 | 1.14 | 1.13 | 1.12 | 1.11 |
| IC | 2 | 89 | 1.13 | 1.12 | | | | | | | | |
| IC | 3 | 91 | 1.11 | 1.10 | 1.09 | 1.08 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 | 1.03 |
| IC | 3 | 101 | 1.02 | 1.02 | 1.01 | 1.00 | 0.99 | 0.99 | 0.98 | 0.97 | 0.97 | 0.96 |
| IC | 3 | 111 | 0.96 | 0.95 | 0.94 | 0.94 | 0.93 | 0.93 | 1.16 | 1.15 | 1.15 | 1.14 |
| IC | 3 | 121 | 1.13 | 1.13 | 1.12 | 1.12 | 1.11 | 1.11 | 1.10 | 1.10 | | |
| IC | 4 | 129 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| IC | 4 | 139 | 1.08 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| IC | 4 | 149 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.04 | 1.04 |
| IC | 4 | 159 | 1.04 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| IC | 4 | 169 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 |
| IC | 4 | 179 | 1.01 | 1.01 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.04 |
| IC | 4 | 189 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 |
| IC | 4 | 199 | 1.03 | 1.03 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| IC | 4 | 209 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 |
| IC | 4 | 219 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | | | | |
| IC | 8 | 405 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.03 | 1.02 | 1.02 | 1.07 | 1.07 |
| IC | 8 | 415 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 | 1.03 |
| IC | 8 | 425 | 1.03 | 1.03 | 1.03 | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 | 1.01 |
| IC | 8 | 435 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 |
| IC | 8 | 445 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.96 | 0.96 | 0.96 | 0.96 |
| IC | 8 | 455 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| IC | 8 | 465 | 0.93 | 0.93 | 0.93 | 0.93 | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 |
| IC | 8 | 475 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| IC | 8 | 485 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.96 | 0.96 | 0.96 |
| IC | 8 | 495 | 0.96 | 0.96 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 |
| IC | 8 | 505 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| IC | 8 | 515 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 |
| IC | 8 | 525 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 |
| IC | 8 | 535 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 |
| IC | 8 | 545 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| IC | 8 | 555 | 0.88 | 0.88 | | | | | | | | |
| BB | 5 | 225 | 0.21 | 0.11 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 5 | 235 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 5 | 245 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | | |
| BB | 6 | 250 | 0.14 | 0.18 | 0.22 | 0.26 | 0.29 | 0.33 | 0.36 | 0.39 | 0.41 | 0.44 |
| BB | 6 | 260 | 0.46 | 0.49 | 0.51 | 0.53 | 0.55 | 0.56 | 0.58 | 0.60 | 0.61 | 0.63 |
| BB | 6 | 270 | 0.64 | 0.65 | 0.67 | 0.68 | 0.69 | 0.70 | 0.71 | 0.72 | 0.73 | 0.74 |
| BB | 6 | 280 | 0.75 | 0.76 | 0.77 | 0.78 | 0.78 | | | | | |
| BB | 7 | 285 | 0.78 | 0.77 | 0.77 | 0.77 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 |
| BB | 7 | 295 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 | 0.72 |
| BB | 7 | 305 | 0.72 | 0.72 | 0.72 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 |
| BB | 7 | 315 | 0.70 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.68 |
| BB | 7 | 325 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 |
| BB | 7 | 335 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 |
| BB | 7 | 345 | 0.66 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 | 0.66 |
| BB | 7 | 355 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| BB | 7 | 365 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 1.10 | 1.10 |
| BB | 7 | 375 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 7 | 385 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 |
| BB | 7 | 395 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.38 | 1.38 | 1.38 | 1.38 |

INTERMEDIATE REPORT
Ammonia Nitrogen — LA-QUAL calibration for Gulf ICWW and Bayou Black
mg/L — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.11 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 1 | 11 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 1 | 21 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 1 | 31 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | |
| IC | 2 | 39 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.12 |
| IC | 2 | 49 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 |
| IC | 2 | 59 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| IC | 2 | 69 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 |
| IC | 2 | 79 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 |
| IC | 2 | 89 | 0.10 | 0.10 | | | | | | | | |
| IC | 3 | 91 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 3 | 101 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 3 | 111 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.10 |
| IC | 3 | 121 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | | |
| IC | 4 | 129 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| IC | 4 | 139 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| IC | 4 | 149 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| IC | 4 | 159 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| IC | 4 | 169 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 4 | 179 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 4 | 189 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 4 | 199 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 4 | 209 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 4 | 219 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| IC | 8 | 405 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 |
| IC | 8 | 415 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 425 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 435 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 445 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 455 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 |
| IC | 8 | 465 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 475 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 485 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 495 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| IC | 8 | 505 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| IC | 8 | 515 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| IC | 8 | 525 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| IC | 8 | 535 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| IC | 8 | 545 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 555 | 0.08 | 0.08 | | | | | | | | |
| BB | 5 | 225 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BB | 5 | 235 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BB | 5 | 245 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | |
| BB | 6 | 250 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| BB | 6 | 260 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 |
| BB | 6 | 270 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 |
| BB | 6 | 280 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | | | | | |
| BB | 7 | 285 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.05 |
| BB | 7 | 295 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| BB | 7 | 305 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 |
| BB | 7 | 315 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| BB | 7 | 325 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| BB | 7 | 335 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| BB | 7 | 345 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.36 | 0.32 | 0.28 |
| BB | 7 | 355 | 0.25 | 0.23 | 0.21 | 0.19 | 0.17 | 0.15 | 0.14 | 0.13 | 0.12 | 0.11 |
| BB | 7 | 365 | 0.10 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.09 | 0.09 |
| BB | 7 | 375 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 7 | 385 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| BB | 7 | 395 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.11 | 0.11 | 0.11 | 0.11 |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 2 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 89 | 0.00 | 0.00 | | | | | | | | |
| IC | 3 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 4 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 189 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 4 | 199 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 209 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 219 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| IC | 8 | 405 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 415 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 425 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 435 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 515 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 525 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 535 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 545 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 555 | 0.00 | 0.00 | | | | | | | | |
| BB | 5 | 225 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 235 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 245 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 6 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 7 | 285 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 295 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 305 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 315 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 325 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 335 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 345 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 355 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 365 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 375 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 395 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 1.29 | 1.22 | 1.17 | 1.15 | 1.13 | 1.11 | 1.10 | 1.10 | 1.09 | 1.09 |
| IC | 1 | 11 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| IC | 1 | 21 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 31 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | | |
| IC | 2 | 39 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 |
| IC | 2 | 49 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.62 | 1.61 |
| IC | 2 | 59 | 1.59 | 1.58 | 1.56 | 1.55 | 1.53 | 1.52 | 1.50 | 1.49 | 1.47 | 1.46 |
| IC | 2 | 69 | 1.45 | 1.43 | 1.42 | 1.40 | 1.39 | 1.38 | 1.36 | 1.35 | 1.34 | 1.32 |
| IC | 2 | 79 | 1.31 | 1.30 | 1.29 | 1.28 | 1.26 | 1.25 | 1.24 | 1.23 | 1.22 | 1.21 |
| IC | 2 | 89 | 1.23 | 1.22 | | | | | | | | |
| IC | 3 | 91 | 1.21 | 1.20 | 1.19 | 1.18 | 1.17 | 1.16 | 1.15 | 1.14 | 1.13 | 1.12 |
| IC | 3 | 101 | 1.11 | 1.11 | 1.10 | 1.09 | 1.08 | 1.07 | 1.07 | 1.06 | 1.05 | 1.05 |
| IC | 3 | 111 | 1.04 | 1.03 | 1.03 | 1.02 | 1.02 | 1.01 | 1.25 | 1.24 | 1.24 | 1.24 |
| IC | 3 | 121 | 1.23 | 1.23 | 1.22 | 1.22 | 1.21 | 1.21 | 1.20 | 1.20 | | |
| IC | 4 | 129 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 |
| IC | 4 | 139 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 |
| IC | 4 | 149 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 |
| IC | 4 | 159 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 |
| IC | 4 | 169 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 |
| IC | 4 | 179 | 1.10 | 1.10 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| IC | 4 | 189 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 |
| IC | 4 | 199 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| IC | 4 | 209 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 |
| IC | 4 | 219 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | | | | |
| IC | 8 | 405 | 1.14 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.11 | 1.17 | 1.16 |
| IC | 8 | 415 | 1.16 | 1.16 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 |
| IC | 8 | 425 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 |
| IC | 8 | 435 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 | 1.07 | 1.07 |
| IC | 8 | 445 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.04 |
| IC | 8 | 455 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 | 1.02 | 1.02 | 1.02 |
| IC | 8 | 465 | 1.02 | 1.02 | 1.01 | 1.01 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| IC | 8 | 475 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| IC | 8 | 485 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| IC | 8 | 495 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| IC | 8 | 505 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 |
| IC | 8 | 515 | 1.01 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| IC | 8 | 525 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 |
| IC | 8 | 535 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 |
| IC | 8 | 545 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| IC | 8 | 555 | 0.96 | 0.96 | | | | | | | | |
| BB | 5 | 225 | 0.22 | 0.11 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 5 | 235 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 5 | 245 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | | |
| BB | 6 | 250 | 0.14 | 0.19 | 0.23 | 0.27 | 0.31 | 0.35 | 0.38 | 0.41 | 0.44 | 0.46 |
| BB | 6 | 260 | 0.49 | 0.52 | 0.54 | 0.56 | 0.58 | 0.60 | 0.62 | 0.63 | 0.65 | 0.66 |
| BB | 6 | 270 | 0.68 | 0.69 | 0.71 | 0.72 | 0.73 | 0.74 | 0.75 | 0.76 | 0.79 | 0.79 |
| BB | 6 | 280 | 0.80 | 0.81 | 0.82 | 0.82 | 0.83 | | | | | |
| BB | 7 | 285 | 0.83 | 0.82 | 0.82 | 0.81 | 0.81 | 0.81 | 0.80 | 0.82 | 0.81 | 0.81 |
| BB | 7 | 295 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.77 | 0.77 |
| BB | 7 | 305 | 0.77 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 | 0.75 | 0.76 | 0.75 | 0.75 |
| BB | 7 | 315 | 0.75 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 |
| BB | 7 | 325 | 0.73 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.71 | 0.71 |
| BB | 7 | 335 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 7 | 345 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 | 1.02 | 0.98 | 0.94 |
| BB | 7 | 355 | 0.91 | 0.89 | 0.86 | 0.84 | 0.82 | 0.81 | 0.79 | 0.78 | 0.77 | 0.76 |
| BB | 7 | 365 | 0.75 | 0.74 | 0.74 | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 1.19 | 1.18 |
| BB | 7 | 375 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 | 1.15 | 1.15 |
| BB | 7 | 385 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 |
| BB | 7 | 395 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.50 | 1.49 | 1.49 | 1.49 |

INTERMEDIATE REPORT
Chlorophyll a
µg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | |
| IC | 2 | 39 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 49 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 59 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 69 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 79 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 89 | 20.00 | 20.00 | | | | | | | | |
| IC | 3 | 91 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 3 | 101 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 3 | 111 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 3 | 121 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | |
| IC | 4 | 129 | 20.04 | 20.08 | 20.12 | 20.17 | 20.21 | 20.25 | 20.29 | 20.33 | 20.38 | 20.42 |
| IC | 4 | 139 | 20.46 | 20.50 | 20.54 | 20.58 | 20.62 | 20.67 | 20.71 | 20.75 | 20.79 | 20.83 |
| IC | 4 | 149 | 20.88 | 20.92 | 20.96 | 21.00 | 21.04 | 21.08 | 21.12 | 21.17 | 21.21 | 21.25 |
| IC | 4 | 159 | 21.29 | 21.33 | 21.38 | 21.42 | 21.46 | 21.50 | 21.54 | 21.58 | 21.62 | 21.67 |
| IC | 4 | 169 | 21.71 | 21.75 | 21.79 | 21.83 | 21.88 | 21.92 | 21.96 | 22.00 | 22.04 | 22.08 |
| IC | 4 | 179 | 22.12 | 22.17 | 22.21 | 22.25 | 22.29 | 22.33 | 22.38 | 22.42 | 22.46 | 22.50 |
| IC | 4 | 189 | 22.54 | 22.58 | 22.62 | 22.67 | 22.71 | 22.75 | 22.79 | 22.83 | 22.88 | 22.92 |
| IC | 4 | 199 | 22.96 | 23.00 | 23.04 | 23.08 | 23.12 | 23.17 | 23.21 | 23.25 | 23.29 | 23.33 |
| IC | 4 | 209 | 23.38 | 23.42 | 23.46 | 23.50 | 23.54 | 23.58 | 23.62 | 23.67 | 23.71 | 23.75 |
| IC | 4 | 219 | 23.79 | 23.83 | 23.88 | 23.92 | 23.96 | 24.00 | | | | |
| IC | 8 | 405 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 415 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 425 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 435 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 445 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 455 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 465 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 475 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 485 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 495 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 505 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 515 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 525 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 535 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 545 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| IC | 8 | 555 | 24.00 | 24.00 | | | | | | | | |
| BB | 5 | 225 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| BB | 5 | 235 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| BB | 5 | 245 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | | | | | |
| BB | 6 | 250 | 25.71 | 26.43 | 27.14 | 27.86 | 28.57 | 29.29 | 30.00 | 30.71 | 31.43 | 32.14 |
| BB | 6 | 260 | 32.86 | 33.57 | 34.29 | 35.00 | 35.71 | 36.43 | 37.14 | 37.86 | 38.57 | 39.29 |
| BB | 6 | 270 | 40.00 | 40.71 | 41.43 | 42.14 | 42.86 | 43.57 | 44.29 | 45.00 | 45.71 | 46.43 |
| BB | 6 | 280 | 47.14 | 47.86 | 48.57 | 49.29 | 50.00 | | | | | |
| BB | 7 | 285 | 49.78 | 49.57 | 49.35 | 49.13 | 48.92 | 48.70 | 48.48 | 48.27 | 48.05 | 47.83 |
| BB | 7 | 295 | 47.62 | 47.40 | 47.18 | 46.97 | 46.75 | 46.53 | 46.32 | 46.10 | 45.88 | 45.67 |
| BB | 7 | 305 | 45.45 | 45.23 | 45.02 | 44.80 | 44.58 | 44.37 | 44.15 | 43.93 | 43.72 | 43.50 |
| BB | 7 | 315 | 43.28 | 43.07 | 42.85 | 42.63 | 42.42 | 42.20 | 41.98 | 41.77 | 41.55 | 41.33 |
| BB | 7 | 325 | 41.12 | 40.90 | 40.68 | 40.47 | 40.25 | 40.03 | 39.82 | 39.60 | 39.38 | 39.17 |
| BB | 7 | 335 | 38.95 | 38.73 | 38.52 | 38.30 | 38.08 | 37.87 | 37.65 | 37.43 | 37.22 | 37.00 |
| BB | 7 | 345 | 36.78 | 36.57 | 36.35 | 36.13 | 35.92 | 35.70 | 35.48 | 35.27 | 35.05 | 34.83 |
| BB | 7 | 355 | 34.62 | 34.40 | 34.18 | 33.97 | 33.75 | 33.53 | 33.32 | 33.10 | 32.88 | 32.67 |
| BB | 7 | 365 | 32.45 | 32.23 | 32.02 | 31.80 | 31.58 | 31.37 | 31.15 | 30.93 | 30.72 | 30.50 |
| BB | 7 | 375 | 30.28 | 30.07 | 29.85 | 29.63 | 29.42 | 29.20 | 28.98 | 28.77 | 28.55 | 28.33 |
| BB | 7 | 385 | 28.12 | 27.90 | 27.68 | 27.47 | 27.25 | 27.03 | 26.82 | 26.60 | 26.38 | 26.17 |
| BB | 7 | 395 | 25.95 | 25.73 | 25.52 | 25.30 | 25.08 | 24.87 | 24.65 | 24.43 | 24.22 | 24.00 |

INTERMEDIATE REPORT
Temperature
deg C

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 31.22 | 31.24 | 31.26 | 31.28 | 31.31 | 31.33 | 31.35 | 31.37 | 31.39 | 31.41 |
| IC | 1 | 11 | 31.43 | 31.45 | 31.47 | 31.49 | 31.52 | 31.54 | 31.56 | 31.58 | 31.60 | 31.62 |
| IC | 1 | 21 | 31.64 | 31.66 | 31.68 | 31.71 | 31.73 | 31.75 | 31.77 | 31.79 | 31.81 | 31.83 |
| IC | 1 | 31 | 31.85 | 31.87 | 31.89 | 31.92 | 31.94 | 31.96 | 31.98 | 32.00 | | |
| IC | 2 | 39 | 32.00 | 32.00 | 32.01 | 32.01 | 32.01 | 32.01 | 32.01 | 32.02 | 32.02 | 32.02 |
| IC | 2 | 49 | 32.02 | 32.02 | 32.03 | 32.03 | 32.03 | 32.03 | 32.03 | 32.03 | 32.04 | 32.04 |
| IC | 2 | 59 | 32.04 | 32.04 | 32.04 | 32.05 | 32.05 | 32.05 | 32.05 | 32.05 | 32.06 | 32.06 |
| IC | 2 | 69 | 32.06 | 32.06 | 32.06 | 32.07 | 32.07 | 32.07 | 32.07 | 32.07 | 32.08 | 32.08 |
| IC | 2 | 79 | 32.08 | 32.08 | 32.08 | 32.08 | 32.09 | 32.09 | 32.09 | 32.09 | 32.09 | 32.10 |
| IC | 2 | 89 | 32.10 | 32.10 | | | | | | | | |
| IC | 3 | 91 | 32.11 | 32.11 | 32.12 | 32.12 | 32.13 | 32.13 | 32.14 | 32.14 | 32.15 | 32.15 |
| IC | 3 | 101 | 32.16 | 32.16 | 32.17 | 32.17 | 32.18 | 32.18 | 32.19 | 32.19 | 32.20 | 32.21 |
| IC | 3 | 111 | 32.21 | 32.22 | 32.22 | 32.23 | 32.23 | 32.24 | 32.24 | 32.25 | 32.25 | 32.26 |
| IC | 3 | 121 | 32.26 | 32.27 | 32.27 | 32.28 | 32.28 | 32.29 | 32.29 | 32.30 | | |
| IC | 4 | 129 | 32.30 | 32.29 | 32.29 | 32.28 | 32.28 | 32.27 | 32.27 | 32.27 | 32.26 | 32.26 |
| IC | 4 | 139 | 32.25 | 32.25 | 32.25 | 32.24 | 32.24 | 32.23 | 32.23 | 32.22 | 32.22 | 32.22 |
| IC | 4 | 149 | 32.21 | 32.21 | 32.20 | 32.20 | 32.20 | 32.19 | 32.19 | 32.18 | 32.18 | 32.17 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 4 | 159 | 32.17 | 32.17 | 32.16 | 32.16 | 32.15 | 32.15 | 32.15 | 32.14 | 32.14 | 32.13 |
| IC | 4 | 169 | 32.13 | 32.12 | 32.12 | 32.12 | 32.11 | 32.11 | 32.10 | 32.10 | 32.10 | 32.09 |
| IC | 4 | 179 | 32.09 | 32.08 | 32.08 | 32.08 | 32.07 | 32.07 | 32.06 | 32.06 | 32.05 | 32.05 |
| IC | 4 | 189 | 32.05 | 32.04 | 32.04 | 32.03 | 32.03 | 32.02 | 32.02 | 32.02 | 32.01 | 32.01 |
| IC | 4 | 199 | 32.00 | 32.00 | 32.00 | 31.99 | 31.99 | 31.98 | 31.98 | 31.98 | 31.97 | 31.97 |
| IC | 4 | 209 | 31.96 | 31.96 | 31.95 | 31.95 | 31.95 | 31.94 | 31.94 | 31.93 | 31.93 | 31.92 |
| IC | 4 | 219 | 31.92 | 31.92 | 31.91 | 31.91 | 31.90 | 31.90 | | | | |
| IC | 8 | 405 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 415 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 425 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 435 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 445 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 455 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 465 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 475 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 485 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 495 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 505 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 515 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 525 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 535 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 545 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |
| IC | 8 | 555 | 31.90 | 31.90 | | | | | | | | |
| BB | 5 | 225 | 32.10 | 32.09 | 32.09 | 32.08 | 32.08 | 32.08 | 32.07 | 32.07 | 32.06 | 32.06 |
| BB | 5 | 235 | 32.06 | 32.05 | 32.05 | 32.04 | 32.04 | 32.04 | 32.03 | 32.03 | 32.02 | 32.02 |
| BB | 5 | 245 | 32.02 | 32.01 | 32.01 | 32.00 | 32.00 | | | | | |
| BB | 6 | 250 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 6 | 260 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 6 | 270 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 6 | 280 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | | | | | |
| BB | 7 | 285 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 31.99 | 31.99 | 31.99 | 31.99 |
| BB | 7 | 295 | 31.99 | 31.99 | 31.99 | 31.99 | 31.99 | 31.99 | 31.99 | 31.99 | 31.98 | 31.98 |
| BB | 7 | 305 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 | 31.98 |
| BB | 7 | 315 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 | 31.97 |
| BB | 7 | 325 | 31.97 | 31.97 | 31.96 | 31.96 | 31.96 | 31.96 | 31.96 | 31.96 | 31.96 | 31.96 |
| BB | 7 | 335 | 31.96 | 31.96 | 31.96 | 31.95 | 31.95 | 31.95 | 31.95 | 31.95 | 31.95 | 31.95 |
| BB | 7 | 345 | 31.95 | 31.95 | 31.95 | 31.95 | 31.95 | 31.94 | 31.94 | 31.94 | 31.94 | 31.94 |
| BB | 7 | 355 | 31.94 | 31.94 | 31.94 | 31.94 | 31.94 | 31.94 | 31.94 | 31.93 | 31.93 | 31.93 |
| BB | 7 | 365 | 31.93 | 31.93 | 31.93 | 31.93 | 31.93 | 31.93 | 31.93 | 31.93 | 31.93 | 31.92 |
| BB | 7 | 375 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 | 31.92 |
| BB | 7 | 385 | 31.92 | 31.91 | 31.91 | 31.91 | 31.91 | 31.91 | 31.91 | 31.91 | 31.91 | 31.91 |
| BB | 7 | 395 | 31.91 | 31.91 | 31.91 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 | 31.90 |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 2 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 89 | 0.00 | 0.00 | | | | | | | | |
| IC | 3 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 4 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 189 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 199 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 209 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 219 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| IC | 8 | 405 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 415 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 425 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 435 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 515 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 525 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 535 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 545 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 555 | 0.00 | 0.00 | | | | | | | | |
| BB | 5 | 225 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 235 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 245 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 6 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 7 | 285 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 295 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 7 | 305 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 315 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 325 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 335 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 345 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 355 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 365 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 375 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 395 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 94. | 94. | 93. | 93. | 93. | 92. | 92. | 92. | 92. | 92. |
| IC | 1 | 11 | 91. | 91. | 91. | 90. | 90. | 90. | 90. | 90. | 89. | 89. |
| IC | 1 | 21 | 89. | 88. | 88. | 88. | 88. | 88. | 87. | 87. | 87. | 86. |
| IC | 1 | 31 | 86. | 86. | 86. | 86. | 85. | 85. | 85. | 84. | | |
| IC | 2 | 39 | 84. | 84. | 84. | 84. | 83. | 83. | 83. | 82. | 82. | 82. |
| IC | 2 | 49 | 82. | 82. | 81. | 81. | 81. | 80. | 80. | 80. | 80. | 80. |
| IC | 2 | 59 | 79. | 79. | 79. | 78. | 78. | 78. | 78. | 78. | 77. | 77. |
| IC | 2 | 69 | 77. | 76. | 76. | 76. | 76. | 76. | 75. | 75. | 75. | 74. |
| IC | 2 | 79 | 74. | 74. | 74. | 74. | 73. | 73. | 73. | 72. | 72. | 72. |
| IC | 2 | 89 | 72. | 72. | | | | | | | | |
| IC | 3 | 91 | 71. | 71. | 71. | 70. | 70. | 70. | 70. | 70. | 69. | 69. |
| IC | 3 | 101 | 69. | 68. | 68. | 68. | 68. | 68. | 67. | 67. | 67. | 66. |
| IC | 3 | 111 | 66. | 66. | 66. | 66. | 65. | 65. | 65. | 64. | 64. | 64. |
| IC | 3 | 121 | 64. | 64. | 63. | 63. | 63. | 62. | 62. | 62. | | |
| IC | 4 | 129 | 62. | 62. | 61. | 61. | 61. | 60. | 60. | 60. | 60. | 60. |
| IC | 4 | 139 | 59. | 59. | 59. | 58. | 58. | 58. | 58. | 58. | 57. | 57. |
| IC | 4 | 149 | 57. | 56. | 56. | 56. | 56. | 56. | 55. | 55. | 55. | 54. |
| IC | 4 | 159 | 54. | 54. | 54. | 54. | 53. | 53. | 53. | 52. | 52. | 52. |
| IC | 4 | 169 | 52. | 52. | 51. | 51. | 51. | 50. | 50. | 50. | 50. | 50. |
| IC | 4 | 179 | 49. | 49. | 49. | 48. | 48. | 48. | 48. | 48. | 47. | 47. |
| IC | 4 | 189 | 47. | 46. | 46. | 46. | 46. | 46. | 45. | 45. | 45. | 44. |
| IC | 4 | 199 | 44. | 44. | 44. | 44. | 43. | 43. | 43. | 42. | 42. | 42. |
| IC | 4 | 209 | 42. | 42. | 41. | 41. | 41. | 40. | 40. | 40. | 40. | 40. |
| IC | 4 | 219 | 39. | 39. | 39. | 38. | 38. | 38. | | | | |
| IC | 8 | 405 | 38. | 38. | 37. | 37. | 37. | 36. | 36. | 36. | 36. | 36. |
| IC | 8 | 415 | 35. | 35. | 35. | 34. | 34. | 34. | 34. | 34. | 33. | 33. |
| IC | 8 | 425 | 33. | 32. | 32. | 32. | 32. | 32. | 31. | 31. | 31. | 30. |
| IC | 8 | 435 | 30. | 30. | 30. | 30. | 29. | 29. | 29. | 28. | 28. | 28. |
| IC | 8 | 445 | 28. | 28. | 27. | 27. | 27. | 26. | 26. | 26. | 26. | 26. |
| IC | 8 | 455 | 25. | 25. | 25. | 24. | 24. | 24. | 24. | 24. | 23. | 23. |
| IC | 8 | 465 | 23. | 22. | 22. | 22. | 22. | 22. | 21. | 21. | 21. | 20. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 475 | 20. | 20. | 20. | 20. | 19. | 19. | 19. | 18. | 18. | 18. |
| IC | 8 | 485 | 18. | 18. | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. |
| IC | 8 | 495 | 15. | 15. | 15. | 14. | 14. | 14. | 14. | 14. | 13. | 13. |
| IC | 8 | 505 | 13. | 12. | 12. | 12. | 12. | 12. | 11. | 11. | 11. | 10. |
| IC | 8 | 515 | 10. | 10. | 10. | 10. | 9. | 9. | 9. | 8. | 8. | 8. |
| IC | 8 | 525 | 8. | 8. | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. |
| IC | 8 | 535 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 3. | 3. |
| IC | 8 | 545 | 3. | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 0. |
| IC | 8 | 555 | 0. | 0. | | | | | | | | |
| BB | 5 | 225 | 45. | 44. | 44. | 44. | 44. | 44. | 43. | 43. | 43. | 42. |
| BB | 5 | 235 | 42. | 42. | 42. | 42. | 41. | 41. | 41. | 40. | 40. | 40. |
| BB | 5 | 245 | 40. | 40. | 39. | 39. | 39. | | | | | |
| BB | 6 | 250 | 38. | 38. | 38. | 38. | 38. | 37. | 37. | 37. | 36. | 36. |
| BB | 6 | 260 | 36. | 36. | 36. | 35. | 35. | 35. | 34. | 34. | 34. | 34. |
| BB | 6 | 270 | 34. | 33. | 33. | 33. | 32. | 32. | 32. | 32. | 32. | 31. |
| BB | 6 | 280 | 31. | 31. | 30. | 30. | 30. | | | | | |
| BB | 7 | 285 | 30. | 30. | 29. | 29. | 29. | 28. | 28. | 28. | 28. | 28. |
| BB | 7 | 295 | 27. | 27. | 27. | 26. | 26. | 26. | 26. | 26. | 25. | 25. |
| BB | 7 | 305 | 25. | 24. | 24. | 24. | 24. | 24. | 23. | 23. | 23. | 22. |
| BB | 7 | 315 | 22. | 22. | 22. | 22. | 21. | 21. | 21. | 20. | 20. | 20. |
| BB | 7 | 325 | 20. | 20. | 19. | 19. | 19. | 18. | 18. | 18. | 18. | 18. |
| BB | 7 | 335 | 17. | 17. | 17. | 16. | 16. | 16. | 16. | 16. | 15. | 15. |
| BB | 7 | 345 | 15. | 14. | 14. | 14. | 14. | 14. | 13. | 13. | 13. | 12. |
| BB | 7 | 355 | 12. | 12. | 12. | 12. | 11. | 11. | 11. | 10. | 10. | 10. |
| BB | 7 | 365 | 10. | 10. | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. |
| BB | 7 | 375 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 5. | 5. |
| BB | 7 | 385 | 5. | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 2. |
| BB | 7 | 395 | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 0. | 0. | 0. |

INTERMEDIATE REPORT

Flow — LA-QUAL calibration for Gulf ICWW and Bayou Black

$m^3/s$ — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| IC | 1 | 11 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 |
| IC | 1 | 21 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 |
| IC | 1 | 31 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.2 | 1.3 | | |
| IC | 2 | 39 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| IC | 2 | 49 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.5 | 13.0 | 13.0 |
| IC | 2 | 59 | 13.0 | 13.0 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.2 | 13.2 |
| IC | 2 | 69 | 13.2 | 13.2 | 13.2 | 13.2 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| IC | 2 | 79 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.5 | 13.5 | 13.5 | 13.5 |
| IC | 2 | 89 | 15.1 | 15.1 | | | | | | | | |
| IC | 3 | 91 | 15.1 | 15.1 | 15.1 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.3 |
| IC | 3 | 101 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 |
| IC | 3 | 111 | 15.4 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 30.8 | 30.8 | 30.9 | 30.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 3 | 121 | 30.9 | 30.9 | 30.9 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | | |
| IC | 4 | 129 | 31.0 | 31.0 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.2 | 31.2 |
| IC | 4 | 139 | 31.2 | 31.2 | 31.2 | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| IC | 4 | 149 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5 | 31.5 |
| IC | 4 | 159 | 31.5 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.7 | 31.7 |
| IC | 4 | 169 | 31.7 | 31.7 | 31.7 | 31.7 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 |
| IC | 4 | 179 | 31.8 | 31.9 | 35.8 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| IC | 4 | 189 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.1 | 36.1 | 36.1 | 36.1 |
| IC | 4 | 199 | 36.1 | 36.1 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.3 | 36.3 |
| IC | 4 | 209 | 36.3 | 36.3 | 36.3 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| IC | 4 | 219 | 36.5 | 36.5 | 12.7 | 12.7 | 12.7 | 12.7 | | | | |
| IC | 8 | 405 | 15.0 | 15.0 | 15.0 | 15.0 | 15.1 | 15.1 | 15.1 | 15.1 | 15.6 | 15.6 |
| IC | 8 | 415 | 15.6 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.8 | 15.8 | 15.8 | 15.8 |
| IC | 8 | 425 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| IC | 8 | 435 | 16.1 | 16.1 | 16.1 | 16.1 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 16.3 |
| IC | 8 | 445 | 16.3 | 16.3 | 16.3 | 16.3 | 16.4 | 16.4 | 16.4 | 16.4 | 16.5 | 16.5 |
| IC | 8 | 455 | 16.5 | 16.5 | 16.5 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.7 | 16.7 |
| IC | 8 | 465 | 16.7 | 16.7 | 16.8 | 16.8 | 20.4 | 20.4 | 20.5 | 20.5 | 20.5 | 20.5 |
| IC | 8 | 475 | 20.5 | 20.6 | 20.6 | 20.6 | 20.6 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 |
| IC | 8 | 485 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.9 | 20.9 | 20.9 | 21.4 | 21.4 |
| IC | 8 | 495 | 21.4 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.6 | 21.6 | 21.6 | 21.6 |
| IC | 8 | 505 | 21.6 | 21.7 | 21.7 | 21.7 | 21.7 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 |
| IC | 8 | 515 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.0 | 22.0 | 22.0 | 22.1 |
| IC | 8 | 525 | 23.3 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.5 | 23.5 |
| IC | 8 | 535 | 23.5 | 23.5 | 23.5 | 23.6 | 23.6 | 23.6 | 23.2 | 23.3 | 23.3 | 23.3 |
| IC | 8 | 545 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 23.4 | 23.5 | 23.5 | 23.5 | 23.5 |
| IC | 8 | 555 | 23.5 | 23.6 | | | | | | | | |
| BB | 5 | 225 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 5 | 235 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 5 | 245 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | |
| BB | 6 | 250 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 6 | 260 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| BB | 6 | 270 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| BB | 6 | 280 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | |
| BB | 7 | 285 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| BB | 7 | 295 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| BB | 7 | 305 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 315 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 325 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 335 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 345 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 355 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| BB | 7 | 365 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.9 | 0.9 |
| BB | 7 | 375 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| BB | 7 | 385 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| BB | 7 | 395 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 2.2 | 2.2 | 2.2 | 2.2 |

$m^2/s$ FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| IC | 2 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 89 | 0.0 | 0.0 | | | | | | | | |
| IC | 3 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| IC | 4 | 129 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 139 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 159 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 169 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 179 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 189 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 199 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 209 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 219 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| IC | 8 | 405 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 415 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 425 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 435 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 445 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 455 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 465 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 475 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 485 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 495 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 505 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 515 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 525 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 535 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 545 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 555 | 0.0 | 0.0 | | | | | | | | |
| BB | 5 | 225 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 5 | 235 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 5 | 245 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 6 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 6 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 6 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 6 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 7 | 285 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 295 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 305 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 325 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 335 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 345 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 355 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 365 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 375 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 385 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 395 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

INTERMEDIATE REPORT
Advective Velocity LA-QUAL calibration for Gulf ICWW and Bayou Black
m/s FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| IC | 2 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 89 | 0.0 | 0.0 | | | | | | | | |
| IC | 3 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 3 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| IC | 4 | 129 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 139 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 159 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 169 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 179 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 189 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 199 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 209 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 4 | 219 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| IC | 8 | 405 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 415 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 425 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 435 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 445 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 455 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 465 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 475 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 485 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 495 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 505 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 515 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 525 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 535 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 545 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 8 | 555 | 0.0 | 0.0 | | | | | | | | |
| BB | 5 | 225 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 5 | 235 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 5 | 245 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 6 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 6 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 6 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 6 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 7 | 285 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 295 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 305 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 315 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 325 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 335 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 345 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 355 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 365 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 375 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 385 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 7 | 395 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |

INTERMEDIATE REPORT
Depth LA-QUAL calibration for Gulf ICWW and Bayou Black
m FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| IC | 1 | 11 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| IC | 1 | 21 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| IC | 1 | 31 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | | |
| IC | 2 | 39 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| IC | 2 | 49 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| IC | 2 | 59 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| IC | 2 | 69 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| IC | 2 | 79 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 2 | 89 | 13.4 | 13.4 | | | | | | | | |
| IC | 3 | 91 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 3 | 101 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 3 | 111 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 3 | 121 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | | |
| IC | 4 | 129 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 139 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 149 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 159 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 169 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 179 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 189 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 199 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 209 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| IC | 4 | 219 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | | | | |
| IC | 8 | 405 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 415 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 425 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 435 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 445 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 455 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 465 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 475 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 485 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 495 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 505 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 515 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 525 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 535 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 545 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| IC | 8 | 555 | 12.8 | 12.8 | | | | | | | | |
| BB | 5 | 225 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| BB | 5 | 235 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| BB | 5 | 245 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | | | | | |
| BB | 6 | 250 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 6 | 260 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 6 | 270 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 6 | 280 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | | | | | |
| BB | 7 | 285 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 295 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 305 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 315 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 325 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 335 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 345 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 355 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 365 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 375 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 385 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| BB | 7 | 395 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |

INTERMEDIATE REPORT

Width LA-QUAL calibration for Gulf ICWW and Bayou Black

m FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 |
| IC | 1 | 11 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 |
| IC | 1 | 21 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 |
| IC | 1 | 31 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | 182.5 | | |
| IC | 2 | 39 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 |
| IC | 2 | 49 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 |
| IC | 2 | 59 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 |
| IC | 2 | 69 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 |
| IC | 2 | 79 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 | 209.1 |
| IC | 2 | 89 | 209.1 | 209.1 | | | | | | | | |
| IC | 3 | 91 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 |
| IC | 3 | 101 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 |
| IC | 3 | 111 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 |
| IC | 3 | 121 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | 395.3 | | |
| IC | 4 | 129 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 139 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 149 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 159 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 169 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 179 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 189 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 199 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 209 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 |
| IC | 4 | 219 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | 190.0 | | | | |
| IC | 8 | 405 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 415 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 425 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 435 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 445 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 455 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 465 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 475 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 485 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 495 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 505 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 515 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 525 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 535 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 545 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 | 155.8 |
| IC | 8 | 555 | 155.8 | 155.8 | | | | | | | | |
| BB | 5 | 225 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 5 | 235 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 |
| BB | 5 | 245 | 196.7 | 196.7 | 196.7 | 196.7 | 196.7 | | | | | |
| BB | 6 | 250 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 6 | 260 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 6 | 270 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 6 | 280 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | | | | | |
| BB | 7 | 285 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 295 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 305 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 315 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 325 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 335 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 345 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 355 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 365 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 375 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 385 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| BB | 7 | 395 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |

INTERMEDIATE REPORT
Cross-Sectional Area LA-QUAL calibration for Gulf ICWW and Bayou Black
m² FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 |
| IC | 1 | 11 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 |
| IC | 1 | 21 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 |
| IC | 1 | 31 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | 1697.2 | | |
| IC | 2 | 39 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 |
| IC | 2 | 49 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 |
| IC | 2 | 59 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 |
| IC | 2 | 69 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 |
| IC | 2 | 79 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 | 2791.0 |
| IC | 2 | 89 | 2791.0 | 2791.0 | | | | | | | | |
| IC | 3 | 91 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 |
| IC | 3 | 101 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 |
| IC | 3 | 111 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 |
| IC | 3 | 121 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | 5048.0 | | |
| IC | 4 | 129 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 139 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 149 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 159 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 169 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 179 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 189 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 199 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |
| IC | 4 | 209 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 4 | 219 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | 2316.1 | | | | |
| IC | 8 | 405 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 415 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 425 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 435 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 445 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 455 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 465 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 475 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 485 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 495 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 505 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 515 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 525 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 535 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 545 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 | 1994.2 |
| IC | 8 | 555 | 1994.2 | 1994.2 | | | | | | | | |
| BB | 5 | 225 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 |
| BB | 5 | 235 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 |
| BB | 5 | 245 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | | | | | |
| BB | 6 | 250 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 6 | 260 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 6 | 270 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 6 | 280 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | | | | | |
| BB | 7 | 285 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 295 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 305 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 315 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 325 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 335 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 345 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 355 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 365 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 375 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 385 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| BB | 7 | 395 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |

INTERMEDIATE REPORT

Reaeration Rate per day — LA-QUAL calibration for Gulf ICWW and Bayou Black FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.092 | 0.092 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 |
| IC | 1 | 11 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 |
| IC | 1 | 21 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 |
| IC | 1 | 31 | 0.093 | 0.093 | 0.094 | 0.094 | 0.094 | 0.094 | 0.094 | 0.094 | | |
| IC | 2 | 39 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 2 | 49 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 |
| IC | 2 | 59 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 |
| IC | 2 | 69 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 |
| IC | 2 | 79 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 | 0.065 |
| IC | 2 | 89 | 0.065 | 0.065 | | | | | | | | |
| IC | 3 | 91 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 3 | 101 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 3 | 111 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 |
| IC | 3 | 121 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 | 0.069 | | |
| IC | 4 | 129 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 139 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 149 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 159 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 169 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 179 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 |
| IC | 4 | 189 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.072 | 0.071 | 0.071 | 0.071 | 0.071 |
| IC | 4 | 199 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 |
| IC | 4 | 209 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 |
| IC | 4 | 219 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | 0.071 | | | | |
| IC | 8 | 405 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 415 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 425 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 435 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 445 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 455 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 465 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 475 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 485 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 495 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 505 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 515 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 525 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 535 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 545 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| IC | 8 | 555 | 0.068 | 0.068 | | | | | | | | |
| BB | 5 | 225 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 |
| BB | 5 | 235 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 |
| BB | 5 | 245 | 0.191 | 0.191 | 0.191 | 0.191 | 0.191 | | | | | |
| BB | 6 | 250 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 6 | 260 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 6 | 270 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 6 | 280 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | | | | | |
| BB | 7 | 285 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 7 | 295 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 7 | 305 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 7 | 315 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 7 | 325 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 |
| BB | 7 | 335 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.751 | 0.750 | 0.750 | 0.750 | 0.750 |
| BB | 7 | 345 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |
| BB | 7 | 355 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 7 | 365 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |
| BB | 7 | 375 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |
| BB | 7 | 385 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |
| BB | 7 | 395 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 | 0.750 |

INTERMEDIATE REPORT
BOD Decay Rate
per day

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| IC | 1 | 11 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 1 | 21 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 1 | 31 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | |
| IC | 2 | 39 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 49 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 59 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 69 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 79 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 89 | 0.26 | 0.26 | | | | | | | | |
| IC | 3 | 91 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 3 | 101 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 3 | 111 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 3 | 121 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | |
| IC | 4 | 129 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 139 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 149 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 159 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 169 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 179 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 189 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 199 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 209 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 4 | 219 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | | | |
| IC | 8 | 405 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 415 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 425 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 435 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 445 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 455 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 465 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 475 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 485 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 495 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 505 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 515 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 525 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 535 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 545 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 8 | 555 | 0.26 | 0.26 | | | | | | | | |
| BB | 5 | 225 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 5 | 235 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 5 | 245 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | | | | |
| BB | 6 | 250 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 6 | 260 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 6 | 270 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 6 | 280 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | | | | |
| BB | 7 | 285 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 295 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 305 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 315 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 325 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 335 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 345 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 355 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 365 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 375 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 385 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| BB | 7 | 395 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |

INTERMEDIATE REPORT
BOD Settling Rate
per day

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 2 | 39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 89 | 0.00 | 0.00 | | | | | | | | |
| IC | 3 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 3 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| IC | 4 | 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 169 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 4 | 179 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 189 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 199 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 209 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 4 | 219 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| IC | 8 | 405 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 415 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 425 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 435 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 445 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 455 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 475 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 485 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 495 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 505 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 515 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 525 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 535 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 545 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 8 | 555 | 0.00 | 0.00 | | | | | | | | |
| BB | 5 | 225 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 235 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 5 | 245 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 6 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 6 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 7 | 285 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 295 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 305 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 315 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 325 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 335 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 345 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 355 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 365 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 375 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 7 | 395 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

INTERMEDIATE REPORT

Ammonia Decay Rate
per day

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 0.27 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 11 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 1 | 21 | 0.28 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 1 | 31 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | | |
| IC | 2 | 39 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| IC | 2 | 49 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| IC | 2 | 59 | 0.27 | 0.27 | 0.27 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 2 | 69 | 0.28 | 0.28 | 0.28 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 2 | 79 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 2 | 89 | 0.29 | 0.29 | | | | | | | | |
| IC | 3 | 91 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 3 | 101 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 3 | 111 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 3 | 121 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | | |
| IC | 4 | 129 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 4 | 139 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 4 | 149 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 4 | 159 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 4 | 169 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 4 | 179 | 0.28 | 0.28 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 4 | 189 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 4 | 199 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 4 | 209 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 4 | 219 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | | | | |
| IC | 8 | 405 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 415 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 425 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 435 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 445 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 455 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 465 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 475 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 485 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 495 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 505 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 515 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 525 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 535 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 545 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| IC | 8 | 555 | 0.29 | 0.29 | | | | | | | | |
| BB | 5 | 225 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| BB | 5 | 235 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| BB | 5 | 245 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | | | | | |
| BB | 6 | 250 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 |
| BB | 6 | 260 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| BB | 6 | 270 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| BB | 6 | 280 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | | | | | |
| BB | 7 | 285 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| BB | 7 | 295 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| BB | 7 | 305 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| BB | 7 | 315 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 7 | 325 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 |
| BB | 7 | 335 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| BB | 7 | 345 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 |
| BB | 7 | 355 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| BB | 7 | 365 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.45 | 0.45 |
| BB | 7 | 375 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| BB | 7 | 385 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 |
| BB | 7 | 395 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 1 | 1 | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 2.05 | 2.05 |
| IC | 1 | 11 | 2.05 | 2.06 | 2.06 | 2.06 | 2.07 | 2.07 | 2.07 | 2.07 | 2.08 | 2.08 |
| IC | 1 | 21 | 2.08 | 2.08 | 2.09 | 2.09 | 2.09 | 2.10 | 2.10 | 2.10 | 2.10 | 2.11 |
| IC | 1 | 31 | 2.11 | 2.11 | 2.12 | 2.12 | 2.12 | 2.12 | 2.13 | 2.13 | | |
| IC | 2 | 39 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| IC | 2 | 49 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| IC | 2 | 59 | 2.13 | 2.13 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| IC | 2 | 69 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| IC | 2 | 79 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| IC | 2 | 89 | 2.14 | 2.14 | | | | | | | | |
| IC | 3 | 91 | 4.29 | 4.29 | 4.29 | 4.29 | 4.29 | 4.29 | 4.30 | 4.30 | 4.30 | 4.30 |
| IC | 3 | 101 | 4.30 | 4.30 | 4.30 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 |
| IC | 3 | 111 | 4.32 | 4.32 | 4.32 | 4.32 | 4.32 | 4.32 | 4.32 | 4.33 | 4.33 | 4.33 |
| IC | 3 | 121 | 4.33 | 4.33 | 4.33 | 4.33 | 4.34 | 4.34 | 4.34 | 4.34 | | |
| IC | 4 | 129 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.76 | 4.76 | 4.76 | 4.76 |
| IC | 4 | 139 | 4.76 | 4.76 | 4.76 | 4.76 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 |
| IC | 4 | 149 | 4.75 | 4.75 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 |
| IC | 4 | 159 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.72 | 4.72 |
| IC | 4 | 169 | 4.72 | 4.72 | 4.72 | 4.72 | 4.72 | 4.72 | 4.71 | 4.71 | 4.71 | 4.71 |
| IC | 4 | 179 | 4.71 | 4.71 | 4.71 | 4.71 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 |
| IC | 4 | 189 | 4.70 | 4.70 | 4.70 | 4.69 | 4.69 | 4.69 | 4.69 | 4.69 | 4.69 | 4.69 |
| IC | 4 | 199 | 4.69 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.67 |
| IC | 4 | 209 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 | 4.66 | 4.66 | 4.66 |
| IC | 4 | 219 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.65 | | | | |
| IC | 8 | 405 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 415 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 425 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 435 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 445 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 455 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 465 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 475 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 485 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 8 | 495 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 505 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 515 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 525 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 535 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 545 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| IC | 8 | 555 | 2.75 | 2.75 | | | | | | | | |
| BB | 5 | 225 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| BB | 5 | 235 | 1.50 | 1.50 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| BB | 5 | 245 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | | | | | |
| BB | 6 | 250 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| BB | 6 | 260 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| BB | 6 | 270 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| BB | 6 | 280 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | | | | | |
| BB | 7 | 285 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 |
| BB | 7 | 295 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.76 |
| BB | 7 | 305 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 315 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 325 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 335 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 345 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 355 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 |
| BB | 7 | 365 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.75 | 2.75 |
| BB | 7 | 375 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| BB | 7 | 385 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| BB | 7 | 395 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |

CONDENSED CAPSULE SUMMARY FOR ICWW

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.25500 | 31.20 | 0.00 | 6.70 | 3.70 | 0.00 | 1.30 | 0.10 | 20.00 | | | | | | | |
| 93.75 | 0.28132 | 31.22 | 0.00 | 7.30 | 2.01 | 0.00 | 1.19 | 0.11 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 2.03 |
| 93.50 | 0.30763 | 31.24 | 0.00 | 7.99 | 1.72 | 0.00 | 1.12 | 0.10 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.03 |
| 93.25 | 0.33395 | 31.26 | 0.00 | 8.34 | 1.67 | 0.00 | 1.08 | 0.10 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.03 |
| 93.00 | 0.36026 | 31.28 | 0.00 | 8.51 | 1.66 | 0.00 | 1.05 | 0.10 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 92.75 | 0.38658 | 31.31 | 0.00 | 8.59 | 1.66 | 0.00 | 1.03 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 92.50 | 0.41289 | 31.33 | 0.00 | 8.63 | 1.66 | 0.00 | 1.02 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 92.25 | 0.43921 | 31.35 | 0.00 | 8.66 | 1.65 | 0.00 | 1.01 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 92.00 | 0.46553 | 31.37 | 0.00 | 8.68 | 1.65 | 0.00 | 1.01 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 91.75 | 0.49184 | 31.39 | 0.00 | 8.69 | 1.65 | 0.00 | 1.00 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 91.50 | 0.51816 | 31.41 | 0.00 | 8.70 | 1.65 | 0.00 | 1.00 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 91.25 | 0.54447 | 31.43 | 0.00 | 8.70 | 1.65 | 0.00 | 1.00 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 91.00 | 0.57079 | 31.45 | 0.00 | 8.71 | 1.65 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 90.75 | 0.59711 | 31.47 | 0.00 | 8.71 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 90.50 | 0.62342 | 31.49 | 0.00 | 8.72 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 90.25 | 0.64974 | 31.52 | 0.00 | 8.72 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.00 | 0.67605 | 31.54 | 0.00 | 8.72 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 89.75 | 0.70237 | 31.56 | 0.00 | 8.73 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 89.50 | 0.72868 | 31.58 | 0.00 | 8.73 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 89.25 | 0.75500 | 31.60 | 0.00 | 8.73 | 1.64 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 89.00 | 0.78132 | 31.62 | 0.00 | 8.73 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 88.75 | 0.80763 | 31.64 | 0.00 | 8.74 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 88.50 | 0.83395 | 31.66 | 0.00 | 8.74 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.08 |
| 88.25 | 0.86026 | 31.68 | 0.00 | 8.74 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 88.00 | 0.88658 | 31.71 | 0.00 | 8.74 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 87.75 | 0.91289 | 31.73 | 0.00 | 8.75 | 1.63 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 87.50 | 0.93921 | 31.75 | 0.00 | 8.75 | 1.62 | 0.00 | 0.99 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 87.25 | 0.96553 | 31.77 | 0.00 | 8.75 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 87.00 | 0.99184 | 31.79 | 0.00 | 8.75 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 86.75 | 1.01816 | 31.81 | 0.00 | 8.76 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 86.50 | 1.04447 | 31.83 | 0.00 | 8.76 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 86.25 | 1.07079 | 31.85 | 0.00 | 8.76 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 86.00 | 1.09711 | 31.87 | 0.00 | 8.76 | 1.62 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 85.75 | 1.12342 | 31.89 | 0.00 | 8.77 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 85.50 | 1.14974 | 31.92 | 0.00 | 8.77 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 85.25 | 1.17605 | 31.94 | 0.00 | 8.77 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 85.00 | 1.20237 | 31.96 | 0.00 | 8.77 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 84.75 | 1.22868 | 31.98 | 0.00 | 8.78 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.13 |
| 84.50 | 1.25500 | 32.00 | 0.00 | 8.78 | 1.61 | 0.00 | 0.98 | 0.09 | 20.00 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.13 |
| 84.25 | 49.17653 | 32.00 | 0.00 | 5.08 | 3.38 | 0.00 | 1.58 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 84.00 | 49.19297 | 32.00 | 0.00 | 5.06 | 3.31 | 0.00 | 1.57 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 83.75 | 49.20942 | 32.01 | 0.00 | 5.05 | 3.24 | 0.00 | 1.57 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 83.50 | 49.22586 | 32.01 | 0.00 | 5.04 | 3.17 | 0.00 | 1.57 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 83.25 | 49.24230 | 32.01 | 0.00 | 5.04 | 3.11 | 0.00 | 1.56 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 83.00 | 49.25874 | 32.01 | 0.00 | 5.03 | 3.05 | 0.00 | 1.56 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 82.75 | 49.27518 | 32.01 | 0.00 | 5.03 | 3.00 | 0.00 | 1.55 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 82.50 | 49.29162 | 32.02 | 0.00 | 5.03 | 2.94 | 0.00 | 1.55 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 82.25 | 49.30806 | 32.02 | 0.00 | 5.03 | 2.89 | 0.00 | 1.54 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 82.00 | 49.32450 | 32.02 | 0.00 | 5.03 | 2.84 | 0.00 | 1.54 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 81.75 | 49.34095 | 32.02 | 0.00 | 5.04 | 2.79 | 0.00 | 1.53 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 81.50 | 49.35739 | 32.02 | 0.00 | 5.05 | 2.74 | 0.00 | 1.53 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 81.25 | 49.37383 | 32.03 | 0.00 | 5.05 | 2.70 | 0.00 | 1.52 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 81.00 | 49.39027 | 32.03 | 0.00 | 5.06 | 2.66 | 0.00 | 1.52 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 80.75 | 49.40671 | 32.03 | 0.00 | 5.08 | 2.62 | 0.00 | 1.52 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 80.50 | 49.42315 | 32.03 | 0.00 | 5.09 | 2.58 | 0.00 | 1.51 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 80.25 | 49.43959 | 32.03 | 0.00 | 5.10 | 2.54 | 0.00 | 1.51 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 80.00 | 49.45604 | 32.03 | 0.00 | 5.12 | 2.50 | 0.00 | 1.50 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 79.75 | 12.99668 | 32.04 | 0.00 | 5.13 | 2.47 | 0.00 | 1.50 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 79.50 | 13.01312 | 32.04 | 0.00 | 5.21 | 2.36 | 0.00 | 1.48 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 79.25 | 13.02956 | 32.04 | 0.00 | 5.30 | 2.26 | 0.00 | 1.47 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 79.00 | 13.04600 | 32.04 | 0.00 | 5.39 | 2.18 | 0.00 | 1.45 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 78.75 | 13.06245 | 32.04 | 0.00 | 5.49 | 2.11 | 0.00 | 1.43 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.14 |
| 78.50 | 13.07889 | 32.05 | 0.00 | 5.60 | 2.04 | 0.00 | 1.42 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 78.25 | 13.09533 | 32.05 | 0.00 | 5.71 | 1.99 | 0.00 | 1.40 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 78.00 | 13.11177 | 32.05 | 0.00 | 5.82 | 1.95 | 0.00 | 1.39 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 77.75 | 13.12822 | 32.05 | 0.00 | 5.93 | 1.91 | 0.00 | 1.38 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77.50 | 13.14466 | 32.05 | 0.00 | 6.05 | 1.87 | 0.00 | 1.36 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 77.25 | 13.16110 | 32.06 | 0.00 | 6.16 | 1.84 | 0.00 | 1.35 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 77.00 | 13.17754 | 32.06 | 0.00 | 6.27 | 1.82 | 0.00 | 1.33 | 0.13 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 76.75 | 13.19398 | 32.06 | 0.00 | 6.39 | 1.80 | 0.00 | 1.32 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 76.50 | 13.21043 | 32.06 | 0.00 | 6.50 | 1.78 | 0.00 | 1.31 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 76.25 | 13.22687 | 32.06 | 0.00 | 6.61 | 1.76 | 0.00 | 1.29 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 76.00 | 13.24331 | 32.07 | 0.00 | 6.72 | 1.75 | 0.00 | 1.28 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 75.75 | 13.25975 | 32.07 | 0.00 | 6.82 | 1.74 | 0.00 | 1.27 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 75.50 | 13.27620 | 32.07 | 0.00 | 6.93 | 1.73 | 0.00 | 1.26 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 75.25 | 13.29264 | 32.07 | 0.00 | 7.03 | 1.72 | 0.00 | 1.25 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 75.00 | 13.30908 | 32.07 | 0.00 | 7.13 | 1.71 | 0.00 | 1.23 | 0.12 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 74.75 | 13.32552 | 32.08 | 0.00 | 7.23 | 1.71 | 0.00 | 1.22 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 74.50 | 13.34197 | 32.08 | 0.00 | 7.32 | 1.70 | 0.00 | 1.21 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 74.25 | 13.35841 | 32.08 | 0.00 | 7.41 | 1.69 | 0.00 | 1.20 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 74.00 | 13.37485 | 32.08 | 0.00 | 7.50 | 1.69 | 0.00 | 1.19 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 73.75 | 13.39129 | 32.08 | 0.00 | 7.59 | 1.69 | 0.00 | 1.18 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 73.50 | 13.40773 | 32.08 | 0.00 | 7.68 | 1.68 | 0.00 | 1.17 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 73.25 | 13.42418 | 32.09 | 0.00 | 7.76 | 1.68 | 0.00 | 1.16 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 73.00 | 13.44062 | 32.09 | 0.00 | 7.84 | 1.68 | 0.00 | 1.15 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 72.75 | 13.45706 | 32.09 | 0.00 | 7.92 | 1.68 | 0.00 | 1.14 | 0.11 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 72.50 | 13.47350 | 32.09 | 0.00 | 8.00 | 1.67 | 0.00 | 1.13 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 72.25 | 13.48995 | 32.09 | 0.00 | 8.08 | 1.67 | 0.00 | 1.12 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 72.00 | 13.50639 | 32.10 | 0.00 | 8.15 | 1.67 | 0.00 | 1.11 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 71.75 | 15.08003 | 32.10 | 0.00 | 8.03 | 1.91 | 0.00 | 1.13 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 71.50 | 15.09647 | 32.10 | 0.00 | 8.07 | 1.88 | 0.00 | 1.12 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 71.25 | 15.11292 | 32.11 | 0.00 | 7.98 | 1.84 | 0.00 | 1.11 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 71.00 | 15.12937 | 32.11 | 0.00 | 7.91 | 1.81 | 0.00 | 1.10 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 70.75 | 15.14581 | 32.12 | 0.00 | 7.86 | 1.79 | 0.00 | 1.09 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 70.50 | 15.16226 | 32.12 | 0.00 | 7.81 | 1.77 | 0.00 | 1.08 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 70.25 | 15.17871 | 32.13 | 0.00 | 7.77 | 1.75 | 0.00 | 1.07 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 70.00 | 15.19516 | 32.13 | 0.00 | 7.73 | 1.74 | 0.00 | 1.06 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 69.75 | 15.21160 | 32.14 | 0.00 | 7.70 | 1.73 | 0.00 | 1.05 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 69.50 | 15.22805 | 32.14 | 0.00 | 7.68 | 1.72 | 0.00 | 1.05 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 69.25 | 15.24450 | 32.15 | 0.00 | 7.66 | 1.72 | 0.00 | 1.04 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 69.00 | 15.26094 | 32.15 | 0.00 | 7.64 | 1.71 | 0.00 | 1.03 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 68.75 | 15.27739 | 32.16 | 0.00 | 7.62 | 1.71 | 0.00 | 1.02 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 68.50 | 15.29384 | 32.16 | 0.00 | 7.61 | 1.70 | 0.00 | 1.02 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 68.25 | 15.31028 | 32.17 | 0.00 | 7.60 | 1.70 | 0.00 | 1.01 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 68.00 | 15.32673 | 32.17 | 0.00 | 7.59 | 1.70 | 0.00 | 1.00 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 67.75 | 15.34318 | 32.18 | 0.00 | 7.59 | 1.70 | 0.00 | 0.99 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 67.50 | 15.35963 | 32.18 | 0.00 | 7.58 | 1.70 | 0.00 | 0.99 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 67.25 | 15.37607 | 32.19 | 0.00 | 7.58 | 1.69 | 0.00 | 0.98 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 67.00 | 15.39252 | 32.19 | 0.00 | 7.58 | 1.69 | 0.00 | 0.97 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 66.75 | 15.40897 | 32.20 | 0.00 | 7.57 | 1.69 | 0.00 | 0.97 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 66.50 | 15.42541 | 32.21 | 0.00 | 7.57 | 1.69 | 0.00 | 0.96 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 66.25 | 15.44186 | 32.21 | 0.00 | 7.57 | 1.69 | 0.00 | 0.96 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 66.00 | 15.45831 | 32.22 | 0.00 | 7.57 | 1.69 | 0.00 | 0.95 | 0.08 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 65.75 | 15.47476 | 32.22 | 0.00 | 7.58 | 1.69 | 0.00 | 0.94 | 0.08 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 65.50 | 15.49120 | 32.23 | 0.00 | 7.58 | 1.69 | 0.00 | 0.94 | 0.08 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 65.25 | 15.50765 | 32.23 | 0.00 | 7.58 | 1.69 | 0.00 | 0.93 | 0.08 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65.00 | 15.52410 | 32.24 | 0.00 | 7.58 | 1.69 | 0.00 | 0.93 | 0.08 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 64.75 | 30.82940 | 32.24 | 0.00 | 6.87 | 3.68 | 0.00 | 1.16 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 64.50 | 30.84585 | 32.25 | 0.00 | 6.67 | 3.46 | 0.00 | 1.15 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 64.25 | 30.86230 | 32.25 | 0.00 | 6.51 | 3.26 | 0.00 | 1.15 | 0.09 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 64.00 | 30.87874 | 32.26 | 0.00 | 6.37 | 3.08 | 0.00 | 1.14 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 63.75 | 30.89519 | 32.26 | 0.00 | 6.25 | 2.93 | 0.00 | 1.13 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 63.50 | 30.91164 | 32.27 | 0.00 | 6.16 | 2.79 | 0.00 | 1.13 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 63.25 | 30.92809 | 32.27 | 0.00 | 6.08 | 2.67 | 0.00 | 1.12 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 63.00 | 30.94453 | 32.28 | 0.00 | 6.02 | 2.56 | 0.00 | 1.12 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 62.75 | 30.96098 | 32.28 | 0.00 | 5.97 | 2.46 | 0.00 | 1.11 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 62.50 | 30.97743 | 32.29 | 0.00 | 5.93 | 2.37 | 0.00 | 1.11 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 62.25 | 30.99387 | 32.29 | 0.00 | 5.91 | 2.30 | 0.00 | 1.10 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 62.00 | 31.01032 | 32.30 | 0.00 | 5.89 | 2.23 | 0.00 | 1.10 | 0.10 | 20.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 61.75 | 31.02676 | 32.30 | 0.00 | 5.87 | 2.19 | 0.00 | 1.10 | 0.10 | 20.04 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 61.50 | 31.04320 | 32.29 | 0.00 | 5.86 | 2.16 | 0.00 | 1.10 | 0.10 | 20.08 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 61.25 | 31.05963 | 32.29 | 0.00 | 5.85 | 2.13 | 0.00 | 1.09 | 0.10 | 20.12 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 61.00 | 31.07607 | 32.28 | 0.00 | 5.84 | 2.11 | 0.00 | 1.09 | 0.10 | 20.17 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 60.75 | 31.09251 | 32.28 | 0.00 | 5.83 | 2.08 | 0.00 | 1.09 | 0.10 | 20.21 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 60.50 | 31.10895 | 32.27 | 0.00 | 5.83 | 2.06 | 0.00 | 1.09 | 0.10 | 20.25 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 60.25 | 31.12538 | 32.27 | 0.00 | 5.83 | 2.03 | 0.00 | 1.09 | 0.10 | 20.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 60.00 | 31.14182 | 32.27 | 0.00 | 5.83 | 2.01 | 0.00 | 1.08 | 0.10 | 20.33 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 59.75 | 31.15826 | 32.26 | 0.00 | 5.83 | 1.99 | 0.00 | 1.08 | 0.10 | 20.38 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 59.50 | 31.17470 | 32.26 | 0.00 | 5.83 | 1.97 | 0.00 | 1.08 | 0.10 | 20.42 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 59.25 | 31.19113 | 32.25 | 0.00 | 5.83 | 1.95 | 0.00 | 1.08 | 0.10 | 20.46 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 59.00 | 31.20757 | 32.25 | 0.00 | 5.84 | 1.93 | 0.00 | 1.08 | 0.10 | 20.50 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 58.75 | 31.22401 | 32.25 | 0.00 | 5.84 | 1.92 | 0.00 | 1.07 | 0.10 | 20.54 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 58.50 | 31.24045 | 32.24 | 0.00 | 5.85 | 1.90 | 0.00 | 1.07 | 0.10 | 20.58 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 58.25 | 31.25688 | 32.24 | 0.00 | 5.86 | 1.89 | 0.00 | 1.07 | 0.10 | 20.62 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 58.00 | 31.27332 | 32.23 | 0.00 | 5.87 | 1.87 | 0.00 | 1.07 | 0.10 | 20.67 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 57.75 | 31.28976 | 32.23 | 0.00 | 5.88 | 1.86 | 0.00 | 1.07 | 0.10 | 20.71 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 57.50 | 31.30620 | 32.22 | 0.00 | 5.89 | 1.85 | 0.00 | 1.06 | 0.10 | 20.75 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 57.25 | 31.32263 | 32.22 | 0.00 | 5.90 | 1.83 | 0.00 | 1.06 | 0.10 | 20.79 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 57.00 | 31.33907 | 32.22 | 0.00 | 5.92 | 1.82 | 0.00 | 1.06 | 0.10 | 20.83 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 56.75 | 31.35551 | 32.21 | 0.00 | 5.93 | 1.81 | 0.00 | 1.06 | 0.10 | 20.88 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 56.50 | 31.37195 | 32.21 | 0.00 | 5.95 | 1.80 | 0.00 | 1.06 | 0.10 | 20.92 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 56.25 | 31.38838 | 32.20 | 0.00 | 5.96 | 1.79 | 0.00 | 1.06 | 0.10 | 20.96 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 56.00 | 31.40482 | 32.20 | 0.00 | 5.98 | 1.79 | 0.00 | 1.05 | 0.10 | 21.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 55.75 | 31.42126 | 32.20 | 0.00 | 5.99 | 1.78 | 0.00 | 1.05 | 0.10 | 21.04 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 55.50 | 31.43770 | 32.19 | 0.00 | 6.01 | 1.77 | 0.00 | 1.05 | 0.10 | 21.08 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 55.25 | 31.45413 | 32.19 | 0.00 | 6.03 | 1.76 | 0.00 | 1.05 | 0.10 | 21.12 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 55.00 | 31.47057 | 32.18 | 0.00 | 6.05 | 1.75 | 0.00 | 1.05 | 0.10 | 21.17 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 54.75 | 31.48701 | 32.18 | 0.00 | 6.07 | 1.75 | 0.00 | 1.04 | 0.10 | 21.21 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 54.50 | 31.50345 | 32.17 | 0.00 | 6.09 | 1.74 | 0.00 | 1.04 | 0.10 | 21.25 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 54.25 | 31.51988 | 32.17 | 0.00 | 6.11 | 1.74 | 0.00 | 1.04 | 0.10 | 21.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 54.00 | 31.53632 | 32.17 | 0.00 | 6.13 | 1.73 | 0.00 | 1.04 | 0.10 | 21.33 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 53.75 | 31.55276 | 32.16 | 0.00 | 6.15 | 1.72 | 0.00 | 1.04 | 0.10 | 21.38 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 53.50 | 31.56920 | 32.16 | 0.00 | 6.17 | 1.72 | 0.00 | 1.04 | 0.10 | 21.42 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 53.25 | 31.58563 | 32.15 | 0.00 | 6.19 | 1.72 | 0.00 | 1.03 | 0.10 | 21.46 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 53.00 | 31.60207 | 32.15 | 0.00 | 6.21 | 1.71 | 0.00 | 1.03 | 0.10 | 21.50 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 52.75 | 31.61851 | 32.15 | 0.00 | 6.24 | 1.71 | 0.00 | 1.03 | 0.10 | 21.54 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52.50 | 31.63495 | 32.14 | 0.00 | 6.26 | 1.70 | 0.00 | 1.03 | 0.10 | 21.58 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 52.25 | 31.65138 | 32.14 | 0.00 | 6.28 | 1.70 | 0.00 | 1.03 | 0.10 | 21.62 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 52.00 | 31.66782 | 32.13 | 0.00 | 6.30 | 1.70 | 0.00 | 1.03 | 0.10 | 21.67 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 51.75 | 31.68426 | 32.13 | 0.00 | 6.33 | 1.69 | 0.00 | 1.03 | 0.10 | 21.71 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 51.50 | 31.70070 | 32.12 | 0.00 | 6.35 | 1.69 | 0.00 | 1.02 | 0.09 | 21.75 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 51.25 | 31.71713 | 32.12 | 0.00 | 6.37 | 1.69 | 0.00 | 1.02 | 0.09 | 21.79 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 51.00 | 31.73357 | 32.12 | 0.00 | 6.40 | 1.68 | 0.00 | 1.02 | 0.09 | 21.83 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 50.75 | 31.75001 | 32.11 | 0.00 | 6.42 | 1.68 | 0.00 | 1.02 | 0.09 | 21.88 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 50.50 | 31.76645 | 32.11 | 0.00 | 6.45 | 1.68 | 0.00 | 1.02 | 0.09 | 21.92 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 50.25 | 31.78288 | 32.10 | 0.00 | 6.47 | 1.68 | 0.00 | 1.02 | 0.09 | 21.96 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 50.00 | 31.79932 | 32.10 | 0.00 | 6.49 | 1.67 | 0.00 | 1.01 | 0.09 | 22.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 49.75 | 31.81576 | 32.10 | 0.00 | 6.52 | 1.67 | 0.00 | 1.01 | 0.09 | 22.04 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 49.50 | 31.83220 | 32.09 | 0.00 | 6.54 | 1.67 | 0.00 | 1.01 | 0.09 | 22.08 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 49.25 | 31.84863 | 32.09 | 0.00 | 6.57 | 1.67 | 0.00 | 1.01 | 0.09 | 22.12 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 49.00 | 31.86507 | 32.08 | 0.00 | 6.59 | 1.67 | 0.00 | 1.01 | 0.09 | 22.17 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 48.75 | 35.83114 | 32.08 | 0.00 | 7.05 | 2.32 | 0.00 | 1.05 | 0.09 | 22.21 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.71 |
| 48.50 | 35.84758 | 32.08 | 0.00 | 7.03 | 2.28 | 0.00 | 1.05 | 0.09 | 22.25 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.71 |
| 48.25 | 35.86401 | 32.07 | 0.00 | 7.02 | 2.25 | 0.00 | 1.05 | 0.09 | 22.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 48.00 | 35.88045 | 32.07 | 0.00 | 7.01 | 2.22 | 0.00 | 1.05 | 0.09 | 22.33 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 47.75 | 35.89689 | 32.06 | 0.00 | 7.00 | 2.20 | 0.00 | 1.05 | 0.09 | 22.38 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 47.50 | 35.91333 | 32.06 | 0.00 | 7.00 | 2.17 | 0.00 | 1.05 | 0.09 | 22.42 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 47.25 | 35.92976 | 32.05 | 0.00 | 6.99 | 2.15 | 0.00 | 1.05 | 0.09 | 22.46 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 47.00 | 35.94620 | 32.05 | 0.00 | 6.99 | 2.12 | 0.00 | 1.04 | 0.09 | 22.50 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 46.75 | 35.96264 | 32.05 | 0.00 | 6.99 | 2.10 | 0.00 | 1.04 | 0.09 | 22.54 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 46.50 | 35.97908 | 32.04 | 0.00 | 6.99 | 2.08 | 0.00 | 1.04 | 0.09 | 22.58 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 46.25 | 35.99551 | 32.04 | 0.00 | 6.99 | 2.06 | 0.00 | 1.04 | 0.09 | 22.62 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 46.00 | 36.01195 | 32.03 | 0.00 | 6.99 | 2.04 | 0.00 | 1.04 | 0.09 | 22.67 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 45.75 | 36.02839 | 32.03 | 0.00 | 7.00 | 2.02 | 0.00 | 1.04 | 0.09 | 22.71 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 45.50 | 36.04483 | 32.02 | 0.00 | 7.00 | 2.00 | 0.00 | 1.04 | 0.09 | 22.75 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 45.25 | 36.06126 | 32.02 | 0.00 | 7.01 | 1.99 | 0.00 | 1.03 | 0.09 | 22.79 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 45.00 | 36.07770 | 32.02 | 0.00 | 7.02 | 1.97 | 0.00 | 1.03 | 0.09 | 22.83 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 44.75 | 36.09414 | 32.01 | 0.00 | 7.02 | 1.95 | 0.00 | 1.03 | 0.09 | 22.88 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 44.50 | 36.11058 | 32.01 | 0.00 | 7.03 | 1.94 | 0.00 | 1.03 | 0.09 | 22.92 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 44.25 | 36.12701 | 32.00 | 0.00 | 7.04 | 1.93 | 0.00 | 1.03 | 0.09 | 22.96 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 44.00 | 36.14345 | 32.00 | 0.00 | 7.05 | 1.91 | 0.00 | 1.03 | 0.09 | 23.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 43.75 | 36.15989 | 32.00 | 0.00 | 7.07 | 1.90 | 0.00 | 1.03 | 0.09 | 23.04 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 43.50 | 36.17633 | 31.99 | 0.00 | 7.08 | 1.89 | 0.00 | 1.02 | 0.09 | 23.08 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 43.25 | 36.19276 | 31.99 | 0.00 | 7.09 | 1.88 | 0.00 | 1.02 | 0.09 | 23.12 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 43.00 | 36.20920 | 31.98 | 0.00 | 7.11 | 1.87 | 0.00 | 1.02 | 0.09 | 23.17 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 42.75 | 36.22564 | 31.98 | 0.00 | 7.12 | 1.86 | 0.00 | 1.02 | 0.09 | 23.21 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 42.50 | 36.24208 | 31.98 | 0.00 | 7.14 | 1.85 | 0.00 | 1.02 | 0.09 | 23.25 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 42.25 | 36.25851 | 31.97 | 0.00 | 7.15 | 1.84 | 0.00 | 1.02 | 0.09 | 23.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 42.00 | 36.27495 | 31.97 | 0.00 | 7.17 | 1.83 | 0.00 | 1.02 | 0.09 | 23.33 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 41.75 | 36.29139 | 31.96 | 0.00 | 7.19 | 1.82 | 0.00 | 1.01 | 0.09 | 23.38 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 41.50 | 36.30783 | 31.96 | 0.00 | 7.20 | 1.81 | 0.00 | 1.01 | 0.09 | 23.42 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 41.25 | 36.32426 | 31.95 | 0.00 | 7.22 | 1.80 | 0.00 | 1.01 | 0.09 | 23.46 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 41.00 | 36.34070 | 31.95 | 0.00 | 7.24 | 1.80 | 0.00 | 1.01 | 0.09 | 23.50 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 40.75 | 36.35714 | 31.95 | 0.00 | 7.26 | 1.79 | 0.00 | 1.01 | 0.09 | 23.54 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 40.50 | 36.37358 | 31.94 | 0.00 | 7.28 | 1.78 | 0.00 | 1.01 | 0.09 | 23.58 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 40.25 | 36.39001 | 31.94 | 0.00 | 7.30 | 1.78 | 0.00 | 1.01 | 0.09 | 23.62 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.00 | 36.40645 | 31.93 | 0.00 | 7.32 | 1.77 | 0.00 | 1.01 | 0.09 | 23.67 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 39.75 | 36.42289 | 31.93 | 0.00 | 7.34 | 1.77 | 0.00 | 1.00 | 0.09 | 23.71 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 39.50 | 36.43933 | 31.92 | 0.00 | 7.36 | 1.76 | 0.00 | 1.00 | 0.09 | 23.75 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 39.25 | 36.45576 | 31.92 | 0.00 | 7.38 | 1.76 | 0.00 | 1.00 | 0.09 | 23.79 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 39.00 | 36.47220 | 31.92 | 0.00 | 7.40 | 1.75 | 0.00 | 1.00 | 0.09 | 23.83 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 38.75 | 12.67764 | 31.91 | 0.00 | 7.42 | 1.75 | 0.00 | 1.00 | 0.09 | 23.88 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 38.50 | 12.69408 | 31.91 | 0.00 | 7.48 | 1.73 | 0.00 | 1.00 | 0.09 | 23.92 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 38.25 | 12.71054 | 31.90 | 0.00 | 7.55 | 1.72 | 0.00 | 0.99 | 0.09 | 23.96 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 38.00 | 12.72698 | 31.90 | 0.00 | 7.61 | 1.72 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.65 |
| 37.75 | 14.96897 | 31.90 | 0.00 | 7.30 | 1.96 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 37.50 | 14.99039 | 31.90 | 0.00 | 7.39 | 2.00 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 37.25 | 15.01182 | 31.90 | 0.00 | 7.47 | 2.04 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 37.00 | 15.03324 | 31.90 | 0.00 | 7.55 | 2.08 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 36.75 | 15.05466 | 31.90 | 0.00 | 7.61 | 2.11 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 36.50 | 15.07608 | 31.90 | 0.00 | 7.68 | 2.14 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 36.25 | 15.09750 | 31.90 | 0.00 | 7.74 | 2.17 | 0.00 | 1.02 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 36.00 | 15.11892 | 31.90 | 0.00 | 7.79 | 2.19 | 0.00 | 1.02 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 35.75 | 15.59335 | 31.90 | 0.00 | 7.56 | 2.77 | 0.00 | 1.07 | 0.10 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 35.50 | 15.61478 | 31.90 | 0.00 | 7.56 | 2.74 | 0.00 | 1.07 | 0.10 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 35.25 | 15.63620 | 31.90 | 0.00 | 7.57 | 2.72 | 0.00 | 1.06 | 0.10 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 35.00 | 15.65762 | 31.90 | 0.00 | 7.58 | 2.69 | 0.00 | 1.06 | 0.10 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 34.75 | 15.67905 | 31.90 | 0.00 | 7.59 | 2.67 | 0.00 | 1.06 | 0.10 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 34.50 | 15.70047 | 31.90 | 0.00 | 7.61 | 2.65 | 0.00 | 1.05 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 34.25 | 15.72189 | 31.90 | 0.00 | 7.62 | 2.63 | 0.00 | 1.05 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 34.00 | 15.74331 | 31.90 | 0.00 | 7.64 | 2.61 | 0.00 | 1.05 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 33.75 | 15.76474 | 31.90 | 0.00 | 7.66 | 2.59 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 33.50 | 15.78616 | 31.90 | 0.00 | 7.68 | 2.58 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 33.25 | 15.80758 | 31.90 | 0.00 | 7.70 | 2.57 | 0.00 | 1.04 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 33.00 | 15.82900 | 31.90 | 0.00 | 7.72 | 2.55 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 32.75 | 15.85042 | 31.90 | 0.00 | 7.74 | 2.54 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 32.50 | 15.87184 | 31.90 | 0.00 | 7.76 | 2.53 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 32.25 | 15.89326 | 31.90 | 0.00 | 7.78 | 2.52 | 0.00 | 1.03 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 32.00 | 15.91469 | 31.90 | 0.00 | 7.80 | 2.52 | 0.00 | 1.02 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 31.75 | 15.93611 | 31.90 | 0.00 | 7.83 | 2.51 | 0.00 | 1.02 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 31.50 | 15.95753 | 31.90 | 0.00 | 7.85 | 2.50 | 0.00 | 1.02 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 31.25 | 15.97895 | 31.90 | 0.00 | 7.87 | 2.50 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 31.00 | 16.00037 | 31.90 | 0.00 | 7.89 | 2.49 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 30.75 | 16.02179 | 31.90 | 0.00 | 7.92 | 2.48 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 30.50 | 16.04321 | 31.90 | 0.00 | 7.94 | 2.48 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 30.25 | 16.06463 | 31.90 | 0.00 | 7.96 | 2.48 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 30.00 | 16.08606 | 31.90 | 0.00 | 7.98 | 2.47 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 29.75 | 16.10748 | 31.90 | 0.00 | 8.00 | 2.47 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 29.50 | 16.12890 | 31.90 | 0.00 | 8.03 | 2.46 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 29.25 | 16.15032 | 31.90 | 0.00 | 8.05 | 2.46 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 29.00 | 16.17174 | 31.90 | 0.00 | 8.07 | 2.46 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 28.75 | 16.19316 | 31.90 | 0.00 | 8.09 | 2.46 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 28.50 | 16.21458 | 31.90 | 0.00 | 8.11 | 2.45 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 28.25 | 16.23601 | 31.90 | 0.00 | 8.13 | 2.45 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 28.00 | 16.25743 | 31.90 | 0.00 | 8.15 | 2.45 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 27.75 | 16.27885 | 31.90 | 0.00 | 8.17 | 2.45 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.50 | 16.30027 | 31.90 | 0.00 | 8.19 | 2.45 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 27.25 | 16.32169 | 31.90 | 0.00 | 8.21 | 2.44 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 27.00 | 16.34311 | 31.90 | 0.00 | 8.23 | 2.44 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 26.75 | 16.36453 | 31.90 | 0.00 | 8.25 | 2.44 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 26.50 | 16.38596 | 31.90 | 0.00 | 8.27 | 2.44 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 26.25 | 16.40738 | 31.90 | 0.00 | 8.29 | 2.44 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 26.00 | 16.42880 | 31.90 | 0.00 | 8.31 | 2.44 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 25.75 | 16.45022 | 31.90 | 0.00 | 8.32 | 2.44 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 25.50 | 16.47164 | 31.90 | 0.00 | 8.34 | 2.44 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 25.25 | 16.49306 | 31.90 | 0.00 | 8.36 | 2.44 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 25.00 | 16.51448 | 31.90 | 0.00 | 8.38 | 2.44 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 24.75 | 16.53591 | 31.90 | 0.00 | 8.39 | 2.44 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 24.50 | 16.55733 | 31.90 | 0.00 | 8.41 | 2.44 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 24.25 | 16.57875 | 31.90 | 0.00 | 8.42 | 2.43 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 24.00 | 16.60017 | 31.90 | 0.00 | 8.44 | 2.43 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 23.75 | 16.62164 | 31.90 | 0.00 | 8.46 | 2.43 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 23.50 | 16.64306 | 31.90 | 0.00 | 8.47 | 2.43 | 0.00 | 0.94 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 23.25 | 16.66448 | 31.90 | 0.00 | 8.49 | 2.43 | 0.00 | 0.94 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 23.00 | 16.68591 | 31.90 | 0.00 | 8.50 | 2.43 | 0.00 | 0.94 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 22.75 | 16.70733 | 31.90 | 0.00 | 8.52 | 2.43 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 22.50 | 16.72875 | 31.90 | 0.00 | 8.53 | 2.43 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 22.25 | 16.75361 | 31.90 | 0.00 | 8.54 | 2.44 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 22.00 | 16.77503 | 31.90 | 0.00 | 8.55 | 2.44 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 21.75 | 20.42048 | 31.90 | 0.00 | 7.78 | 3.80 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 21.50 | 20.44190 | 31.90 | 0.00 | 7.71 | 3.71 | 0.00 | 1.01 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 21.25 | 20.46333 | 31.90 | 0.00 | 7.65 | 3.62 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 21.00 | 20.48475 | 31.90 | 0.00 | 7.60 | 3.54 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 20.75 | 20.50617 | 31.90 | 0.00 | 7.55 | 3.46 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 20.50 | 20.52759 | 31.90 | 0.00 | 7.52 | 3.39 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 20.25 | 20.54901 | 31.90 | 0.00 | 7.48 | 3.32 | 0.00 | 1.00 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 20.00 | 20.57043 | 31.90 | 0.00 | 7.45 | 3.26 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 19.75 | 20.59185 | 31.90 | 0.00 | 7.43 | 3.20 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 19.50 | 20.61328 | 31.90 | 0.00 | 7.41 | 3.15 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 19.25 | 20.63470 | 31.90 | 0.00 | 7.40 | 3.10 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 19.00 | 20.65612 | 31.90 | 0.00 | 7.38 | 3.06 | 0.00 | 0.99 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 18.75 | 20.67754 | 31.90 | 0.00 | 7.38 | 3.01 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 18.50 | 20.69896 | 31.90 | 0.00 | 7.37 | 2.97 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 18.25 | 20.72038 | 31.90 | 0.00 | 7.37 | 2.94 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 18.00 | 20.74180 | 31.90 | 0.00 | 7.37 | 2.90 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 17.75 | 20.76323 | 31.90 | 0.00 | 7.37 | 2.87 | 0.00 | 0.98 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 17.50 | 20.78465 | 31.90 | 0.00 | 7.37 | 2.84 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 17.25 | 20.80607 | 31.90 | 0.00 | 7.38 | 2.81 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 17.00 | 20.82749 | 31.90 | 0.00 | 7.39 | 2.79 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 16.75 | 20.84891 | 31.90 | 0.00 | 7.40 | 2.76 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 16.50 | 20.87033 | 31.90 | 0.00 | 7.41 | 2.74 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 16.25 | 20.89175 | 31.90 | 0.00 | 7.42 | 2.72 | 0.00 | 0.97 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 16.00 | 20.91318 | 31.90 | 0.00 | 7.43 | 2.70 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 15.75 | 21.38760 | 31.90 | 0.00 | 7.39 | 2.80 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 15.50 | 21.40902 | 31.90 | 0.00 | 7.40 | 2.77 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 15.25 | 21.43044 | 31.90 | 0.00 | 7.41 | 2.75 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.00 | 21.45186 | 31.90 | 0.00 | 7.42 | 2.73 | 0.00 | 0.96 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 14.75 | 21.47328 | 31.90 | 0.00 | 7.43 | 2.71 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 14.50 | 21.49470 | 31.90 | 0.00 | 7.44 | 2.69 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 14.25 | 21.51612 | 31.90 | 0.00 | 7.46 | 2.67 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 14.00 | 21.53755 | 31.90 | 0.00 | 7.47 | 2.66 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 13.75 | 21.55897 | 31.90 | 0.00 | 7.49 | 2.64 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 13.50 | 21.58039 | 31.90 | 0.00 | 7.50 | 2.63 | 0.00 | 0.95 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 13.25 | 21.60181 | 31.90 | 0.00 | 7.52 | 2.62 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 13.00 | 21.62323 | 31.90 | 0.00 | 7.54 | 2.60 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 12.75 | 21.64465 | 31.90 | 0.00 | 7.56 | 2.59 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 12.50 | 21.66607 | 31.90 | 0.00 | 7.57 | 2.58 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 12.25 | 21.68750 | 31.90 | 0.00 | 7.59 | 2.57 | 0.00 | 0.94 | 0.09 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 12.00 | 21.70892 | 31.90 | 0.00 | 7.61 | 2.56 | 0.00 | 0.94 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 11.75 | 21.73034 | 31.90 | 0.00 | 7.63 | 2.55 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 11.50 | 21.75176 | 31.90 | 0.00 | 7.65 | 2.55 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 11.25 | 21.77318 | 31.90 | 0.00 | 7.67 | 2.54 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 11.00 | 21.79460 | 31.90 | 0.00 | 7.69 | 2.53 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 10.75 | 21.81602 | 31.90 | 0.00 | 7.71 | 2.52 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 10.50 | 21.83745 | 31.90 | 0.00 | 7.73 | 2.52 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 10.25 | 21.85887 | 31.90 | 0.00 | 7.75 | 2.51 | 0.00 | 0.93 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 10.00 | 21.88029 | 31.90 | 0.00 | 7.77 | 2.51 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 9.75 | 21.90171 | 31.90 | 0.00 | 7.79 | 2.50 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 9.50 | 21.92313 | 31.90 | 0.00 | 7.81 | 2.50 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 9.25 | 21.94455 | 31.90 | 0.00 | 7.83 | 2.49 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 9.00 | 21.96597 | 31.90 | 0.00 | 7.85 | 2.49 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 8.75 | 21.98740 | 31.90 | 0.00 | 7.87 | 2.48 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 8.50 | 22.00882 | 31.90 | 0.00 | 7.89 | 2.48 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 8.25 | 22.03024 | 31.90 | 0.00 | 7.91 | 2.48 | 0.00 | 0.92 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 8.00 | 22.05166 | 31.90 | 0.00 | 7.93 | 2.47 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 7.75 | 23.29053 | 31.90 | 0.00 | 7.78 | 2.78 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 7.50 | 23.31195 | 31.90 | 0.00 | 7.78 | 2.76 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 7.25 | 23.33337 | 31.90 | 0.00 | 7.79 | 2.74 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 7.00 | 23.35480 | 31.90 | 0.00 | 7.79 | 2.72 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 6.75 | 23.37622 | 31.90 | 0.00 | 7.80 | 2.70 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 6.50 | 23.39764 | 31.90 | 0.00 | 7.81 | 2.68 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 6.25 | 23.41906 | 31.90 | 0.00 | 7.81 | 2.67 | 0.00 | 0.91 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 6.00 | 23.44048 | 31.90 | 0.00 | 7.82 | 2.65 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 5.75 | 23.46190 | 31.90 | 0.00 | 7.83 | 2.64 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 5.50 | 23.48332 | 31.90 | 0.00 | 7.84 | 2.63 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 5.25 | 23.50475 | 31.90 | 0.00 | 7.85 | 2.62 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 5.00 | 23.52617 | 31.90 | 0.00 | 7.87 | 2.60 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 4.75 | 23.54759 | 31.90 | 0.00 | 7.88 | 2.59 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 4.50 | 23.56901 | 31.90 | 0.00 | 7.89 | 2.58 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 4.25 | 23.59043 | 31.90 | 0.00 | 7.90 | 2.57 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 4.00 | 23.61185 | 31.90 | 0.00 | 7.92 | 2.57 | 0.00 | 0.90 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 3.75 | 23.23689 | 31.90 | 0.00 | 7.93 | 2.56 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 3.50 | 23.25832 | 31.90 | 0.00 | 7.94 | 2.55 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 3.25 | 23.27974 | 31.90 | 0.00 | 7.96 | 2.54 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 3.00 | 23.30116 | 31.90 | 0.00 | 7.97 | 2.53 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 2.75 | 23.32258 | 31.90 | 0.00 | 7.99 | 2.53 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.50 | 23.34400 | 31.90 | 0.00 | 8.00 | 2.52 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 2.25 | 23.36542 | 31.90 | 0.00 | 8.02 | 2.52 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 2.00 | 23.38684 | 31.90 | 0.00 | 8.03 | 2.51 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 1.75 | 23.40831 | 31.90 | 0.00 | 8.05 | 2.51 | 0.00 | 0.89 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 1.50 | 23.42973 | 31.90 | 0.00 | 8.06 | 2.50 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 1.25 | 23.45115 | 31.90 | 0.00 | 8.08 | 2.50 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 1.00 | 23.47257 | 31.90 | 0.00 | 8.09 | 2.49 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 0.75 | 23.49399 | 31.90 | 0.00 | 8.11 | 2.49 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 0.50 | 23.51541 | 31.90 | 0.00 | 8.12 | 2.49 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 0.25 | 23.53683 | 31.90 | 0.00 | 8.14 | 2.48 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 0.00 | 23.55826 | 31.90 | 0.00 | 8.15 | 2.48 | 0.00 | 0.88 | 0.08 | 24.00 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

CONDENSED CAPSULE SUMMARY FOR Bayou Black

| DIST | FLOW | TEMP | SALN | DO | EBOD1 | REAER | BOD1 | BOD2 | ORGN | NH3 | CHLA | BOD2 RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.00700 | 32.00 | 0.00 | 5.00 | 9.75 | 0.00 | 1.41 | 0.30 | 25.00 | | | | | | | | | |
| 44.75 | 0.01100 | 32.10 | 0.00 | 10.88 | 0.26 | 0.00 | 0.21 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 44.50 | 0.01500 | 32.09 | 0.00 | 11.16 | 0.17 | 0.00 | 0.11 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 44.25 | 0.01900 | 32.09 | 0.00 | 11.17 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 44.00 | 0.02300 | 32.08 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 43.75 | 0.02700 | 32.08 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 43.50 | 0.03100 | 32.08 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 43.25 | 0.03500 | 32.07 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 43.00 | 0.03900 | 32.07 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 42.75 | 0.04300 | 32.06 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 42.50 | 0.04700 | 32.06 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 42.25 | 0.05100 | 32.06 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 42.00 | 0.05500 | 32.05 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 41.75 | 0.05900 | 32.05 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 41.50 | 0.06300 | 32.04 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 41.25 | 0.06700 | 32.04 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 41.00 | 0.07100 | 32.04 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 40.75 | 0.07500 | 32.03 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 40.50 | 0.07900 | 32.03 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 40.25 | 0.08300 | 32.02 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 40.00 | 0.08700 | 32.02 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 39.75 | 0.09100 | 32.02 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 39.50 | 0.09500 | 32.01 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 39.25 | 0.09900 | 32.01 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 39.00 | 0.10300 | 32.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 38.75 | 0.10700 | 32.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.09 | 0.01 | 25.00 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 38.50 | 0.10986 | 32.00 | 0.00 | 9.27 | 0.82 | 0.00 | 0.14 | 0.01 | 25.71 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 38.25 | 0.11271 | 32.00 | 0.00 | 8.15 | 1.32 | 0.00 | 0.18 | 0.01 | 26.43 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 38.00 | 0.11557 | 32.00 | 0.00 | 7.48 | 1.71 | 0.00 | 0.22 | 0.01 | 27.14 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 37.75 | 0.11843 | 32.00 | 0.00 | 7.07 | 2.01 | 0.00 | 0.26 | 0.01 | 27.86 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 37.50 | 0.12129 | 32.00 | 0.00 | 6.81 | 2.24 | 0.00 | 0.29 | 0.02 | 28.57 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.25 | 0.12414 | 32.00 | 0.00 | 6.65 | 2.42 | 0.00 | 0.33 | 0.02 | 29.29 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 37.00 | 0.12700 | 32.00 | 0.00 | 6.55 | 2.56 | 0.00 | 0.36 | 0.02 | 30.00 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 36.75 | 0.12986 | 32.00 | 0.00 | 6.50 | 2.68 | 0.00 | 0.39 | 0.02 | 30.71 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 36.50 | 0.13271 | 32.00 | 0.00 | 6.46 | 2.77 | 0.00 | 0.41 | 0.02 | 31.43 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 36.25 | 0.13557 | 32.00 | 0.00 | 6.45 | 2.84 | 0.00 | 0.44 | 0.03 | 32.14 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| 36.00 | 0.13857 | 32.00 | 0.00 | 6.44 | 2.93 | 0.00 | 0.46 | 0.03 | 32.86 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| 35.75 | 0.14143 | 32.00 | 0.00 | 6.45 | 2.97 | 0.00 | 0.49 | 0.03 | 33.57 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| 35.50 | 0.14428 | 32.00 | 0.00 | 6.46 | 3.00 | 0.00 | 0.51 | 0.03 | 34.29 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 35.25 | 0.14714 | 32.00 | 0.00 | 6.48 | 3.03 | 0.00 | 0.53 | 0.03 | 35.00 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 35.00 | 0.15000 | 32.00 | 0.00 | 6.50 | 3.05 | 0.00 | 0.55 | 0.03 | 35.71 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 34.75 | 0.15285 | 32.00 | 0.00 | 6.53 | 3.07 | 0.00 | 0.56 | 0.03 | 36.43 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 34.50 | 0.15571 | 32.00 | 0.00 | 6.56 | 3.08 | 0.00 | 0.58 | 0.03 | 37.14 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 34.25 | 0.15857 | 32.00 | 0.00 | 6.59 | 3.09 | 0.00 | 0.60 | 0.04 | 37.86 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 34.00 | 0.16147 | 32.00 | 0.00 | 6.62 | 3.11 | 0.00 | 0.61 | 0.04 | 38.57 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 33.75 | 0.16432 | 32.00 | 0.00 | 6.65 | 3.12 | 0.00 | 0.63 | 0.04 | 39.29 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 33.50 | 0.16718 | 32.00 | 0.00 | 6.69 | 3.12 | 0.00 | 0.64 | 0.04 | 40.00 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 33.25 | 0.17004 | 32.00 | 0.00 | 6.72 | 3.13 | 0.00 | 0.65 | 0.04 | 40.71 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 33.00 | 0.17289 | 32.00 | 0.00 | 6.76 | 3.13 | 0.00 | 0.67 | 0.04 | 41.43 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 32.75 | 0.17575 | 32.00 | 0.00 | 6.79 | 3.13 | 0.00 | 0.68 | 0.04 | 42.14 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 32.50 | 0.17861 | 32.00 | 0.00 | 6.83 | 3.14 | 0.00 | 0.69 | 0.04 | 42.86 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 32.25 | 0.18147 | 32.00 | 0.00 | 6.87 | 3.14 | 0.00 | 0.70 | 0.04 | 43.57 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 32.00 | 0.18432 | 32.00 | 0.00 | 6.90 | 3.14 | 0.00 | 0.71 | 0.04 | 44.29 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 31.75 | 0.18718 | 32.00 | 0.00 | 6.94 | 3.14 | 0.00 | 0.72 | 0.04 | 45.00 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 31.50 | 0.19154 | 32.00 | 0.00 | 6.95 | 3.29 | 0.00 | 0.73 | 0.05 | 45.71 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 31.25 | 0.19439 | 32.00 | 0.00 | 6.97 | 3.27 | 0.00 | 0.74 | 0.05 | 46.43 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 31.00 | 0.19725 | 32.00 | 0.00 | 7.01 | 3.26 | 0.00 | 0.75 | 0.05 | 47.14 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 30.75 | 0.20011 | 32.00 | 0.00 | 7.05 | 3.24 | 0.00 | 0.76 | 0.05 | 47.86 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 30.50 | 0.20297 | 32.00 | 0.00 | 7.09 | 3.23 | 0.00 | 0.77 | 0.05 | 48.57 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 30.25 | 0.20582 | 32.00 | 0.00 | 7.13 | 3.22 | 0.00 | 0.78 | 0.05 | 49.29 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 30.00 | 0.20868 | 32.00 | 0.00 | 7.17 | 3.21 | 0.00 | 0.78 | 0.05 | 50.00 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 29.75 | 0.21011 | 32.00 | 0.00 | 6.79 | 2.98 | 0.00 | 0.78 | 0.05 | 49.78 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.77 |
| 29.50 | 0.21155 | 32.00 | 0.00 | 6.54 | 2.79 | 0.00 | 0.77 | 0.05 | 49.57 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.77 |
| 29.25 | 0.21298 | 32.00 | 0.00 | 6.37 | 2.61 | 0.00 | 0.77 | 0.05 | 49.35 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 29.00 | 0.21441 | 32.00 | 0.00 | 6.26 | 2.47 | 0.00 | 0.77 | 0.05 | 49.13 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 28.75 | 0.21585 | 32.00 | 0.00 | 6.20 | 2.34 | 0.00 | 0.76 | 0.05 | 48.92 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 28.50 | 0.21728 | 32.00 | 0.00 | 6.15 | 2.23 | 0.00 | 0.76 | 0.05 | 48.70 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 28.25 | 0.21871 | 31.99 | 0.00 | 6.13 | 2.14 | 0.00 | 0.76 | 0.05 | 48.48 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 28.00 | 0.22207 | 31.99 | 0.00 | 6.09 | 2.21 | 0.00 | 0.76 | 0.06 | 48.27 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 27.75 | 0.22350 | 31.99 | 0.00 | 6.07 | 2.12 | 0.00 | 0.76 | 0.06 | 48.05 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 27.50 | 0.22493 | 31.99 | 0.00 | 6.07 | 2.04 | 0.00 | 0.75 | 0.05 | 47.83 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 27.25 | 0.22637 | 31.99 | 0.00 | 6.07 | 1.97 | 0.00 | 0.75 | 0.05 | 47.62 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 27.00 | 0.22780 | 31.99 | 0.00 | 6.07 | 1.91 | 0.00 | 0.75 | 0.05 | 47.40 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 26.75 | 0.22923 | 31.99 | 0.00 | 6.07 | 1.86 | 0.00 | 0.74 | 0.05 | 47.18 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 26.50 | 0.23067 | 31.99 | 0.00 | 6.08 | 1.82 | 0.00 | 0.74 | 0.05 | 46.97 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 26.25 | 0.23210 | 31.99 | 0.00 | 6.08 | 1.78 | 0.00 | 0.74 | 0.05 | 46.75 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 26.00 | 0.23353 | 31.99 | 0.00 | 6.09 | 1.74 | 0.00 | 0.73 | 0.05 | 46.53 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 25.75 | 0.23497 | 31.99 | 0.00 | 6.09 | 1.71 | 0.00 | 0.73 | 0.05 | 46.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 25.50 | 0.23640 | 31.99 | 0.00 | 6.09 | 1.69 | 0.00 | 0.73 | 0.05 | 46.10 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 25.25 | 0.23783 | 31.98 | 0.00 | 6.10 | 1.66 | 0.00 | 0.73 | 0.05 | 45.88 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 25.00 | 0.23927 | 31.98 | 0.00 | 6.09 | 1.64 | 0.00 | 0.72 | 0.05 | 45.67 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.75 | 0.24070 | 31.98 | 0.00 | 6.09 | 1.63 | 0.00 | 0.72 | 0.05 | 45.45 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 24.50 | 0.24213 | 31.98 | 0.00 | 6.09 | 1.61 | 0.00 | 0.72 | 0.05 | 45.23 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 24.25 | 0.24357 | 31.98 | 0.00 | 6.09 | 1.60 | 0.00 | 0.72 | 0.05 | 45.02 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 24.00 | 0.24500 | 31.98 | 0.00 | 6.08 | 1.59 | 0.00 | 0.71 | 0.05 | 44.80 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 23.75 | 0.24643 | 31.98 | 0.00 | 6.08 | 1.58 | 0.00 | 0.71 | 0.05 | 44.58 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 23.50 | 0.24787 | 31.98 | 0.00 | 6.07 | 1.57 | 0.00 | 0.71 | 0.04 | 44.37 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 23.25 | 0.24930 | 31.98 | 0.00 | 6.06 | 1.56 | 0.00 | 0.71 | 0.04 | 44.15 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 23.00 | 0.25144 | 31.98 | 0.00 | 6.05 | 1.62 | 0.00 | 0.71 | 0.05 | 43.93 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 22.75 | 0.25288 | 31.98 | 0.00 | 6.03 | 1.61 | 0.00 | 0.71 | 0.05 | 43.72 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 22.50 | 0.25431 | 31.98 | 0.00 | 6.02 | 1.60 | 0.00 | 0.70 | 0.05 | 43.50 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 22.25 | 0.25574 | 31.97 | 0.00 | 6.01 | 1.59 | 0.00 | 0.70 | 0.05 | 43.28 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 22.00 | 0.25718 | 31.97 | 0.00 | 6.00 | 1.58 | 0.00 | 0.70 | 0.05 | 43.07 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 21.75 | 0.25861 | 31.97 | 0.00 | 5.99 | 1.57 | 0.00 | 0.70 | 0.05 | 42.85 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 21.50 | 0.26004 | 31.97 | 0.00 | 5.98 | 1.56 | 0.00 | 0.70 | 0.04 | 42.63 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 21.25 | 0.26148 | 31.97 | 0.00 | 5.97 | 1.55 | 0.00 | 0.69 | 0.04 | 42.42 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 21.00 | 0.26291 | 31.97 | 0.00 | 5.97 | 1.55 | 0.00 | 0.69 | 0.04 | 42.20 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 20.75 | 0.26434 | 31.97 | 0.00 | 5.96 | 1.54 | 0.00 | 0.69 | 0.04 | 41.98 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 20.50 | 0.26578 | 31.97 | 0.00 | 5.95 | 1.54 | 0.00 | 0.69 | 0.04 | 41.77 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 20.25 | 0.26721 | 31.97 | 0.00 | 5.94 | 1.53 | 0.00 | 0.69 | 0.04 | 41.55 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 20.00 | 0.26864 | 31.97 | 0.00 | 5.93 | 1.53 | 0.00 | 0.68 | 0.04 | 41.33 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 19.75 | 0.27008 | 31.97 | 0.00 | 5.92 | 1.53 | 0.00 | 0.68 | 0.04 | 41.12 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 19.50 | 0.27151 | 31.97 | 0.00 | 5.91 | 1.52 | 0.00 | 0.68 | 0.04 | 40.90 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 19.25 | 0.27294 | 31.96 | 0.00 | 5.90 | 1.52 | 0.00 | 0.68 | 0.04 | 40.68 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 19.00 | 0.27438 | 31.96 | 0.00 | 5.89 | 1.52 | 0.00 | 0.68 | 0.04 | 40.47 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 18.75 | 0.27581 | 31.96 | 0.00 | 5.87 | 1.52 | 0.00 | 0.68 | 0.04 | 40.25 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 18.50 | 0.27724 | 31.96 | 0.00 | 5.86 | 1.51 | 0.00 | 0.68 | 0.04 | 40.03 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 18.25 | 0.27886 | 31.96 | 0.00 | 5.85 | 1.54 | 0.00 | 0.67 | 0.04 | 39.82 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 18.00 | 0.28029 | 31.96 | 0.00 | 5.84 | 1.53 | 0.00 | 0.67 | 0.04 | 39.60 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 17.75 | 0.28172 | 31.96 | 0.00 | 5.82 | 1.53 | 0.00 | 0.67 | 0.04 | 39.38 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 17.50 | 0.28316 | 31.96 | 0.00 | 5.81 | 1.53 | 0.00 | 0.67 | 0.04 | 39.17 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 17.25 | 0.28459 | 31.96 | 0.00 | 5.80 | 1.52 | 0.00 | 0.67 | 0.04 | 38.95 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 17.00 | 0.28602 | 31.96 | 0.00 | 5.79 | 1.52 | 0.00 | 0.67 | 0.04 | 38.73 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 16.75 | 0.28746 | 31.96 | 0.00 | 5.78 | 1.52 | 0.00 | 0.67 | 0.04 | 38.52 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 16.50 | 0.28889 | 31.95 | 0.00 | 5.77 | 1.52 | 0.00 | 0.66 | 0.04 | 38.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 16.25 | 0.29074 | 31.95 | 0.00 | 5.75 | 1.55 | 0.00 | 0.66 | 0.04 | 38.08 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 16.00 | 0.29218 | 31.95 | 0.00 | 5.74 | 1.55 | 0.00 | 0.66 | 0.04 | 37.87 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 15.75 | 0.29361 | 31.95 | 0.00 | 5.72 | 1.54 | 0.00 | 0.66 | 0.04 | 37.65 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 15.50 | 0.29504 | 31.95 | 0.00 | 5.71 | 1.54 | 0.00 | 0.66 | 0.04 | 37.43 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 15.25 | 0.29648 | 31.95 | 0.00 | 5.70 | 1.53 | 0.00 | 0.66 | 0.04 | 37.22 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 15.00 | 0.29791 | 31.95 | 0.00 | 5.69 | 1.53 | 0.00 | 0.66 | 0.04 | 37.00 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 14.75 | 0.29934 | 31.95 | 0.00 | 5.68 | 1.53 | 0.00 | 0.66 | 0.04 | 36.78 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 14.50 | 0.30078 | 31.95 | 0.00 | 5.66 | 1.53 | 0.00 | 0.66 | 0.04 | 36.57 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 14.25 | 0.30221 | 31.95 | 0.00 | 5.65 | 1.52 | 0.00 | 0.66 | 0.04 | 36.35 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 14.00 | 0.30364 | 31.95 | 0.00 | 5.64 | 1.52 | 0.00 | 0.65 | 0.04 | 36.13 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 13.75 | 0.30508 | 31.95 | 0.00 | 5.63 | 1.52 | 0.00 | 0.65 | 0.04 | 35.92 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 13.50 | 0.30651 | 31.94 | 0.00 | 5.62 | 1.52 | 0.00 | 0.65 | 0.04 | 35.70 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 13.25 | 0.30794 | 31.94 | 0.00 | 5.61 | 1.52 | 0.00 | 0.65 | 0.04 | 35.48 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 13.00 | 0.31504 | 31.94 | 0.00 | 5.41 | 1.90 | 0.00 | 0.66 | 0.36 | 35.27 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 12.75 | 0.31647 | 31.94 | 0.00 | 5.28 | 1.86 | 0.00 | 0.66 | 0.32 | 35.05 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 12.50 | 0.31790 | 31.94 | 0.00 | 5.19 | 1.83 | 0.00 | 0.66 | 0.28 | 34.83 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.25 | 0.31934 | 31.94 | 0.00 | 5.13 | 1.80 | 0.00 | 0.66 | 0.25 | 34.62 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 12.00 | 0.32077 | 31.94 | 0.00 | 5.10 | 1.77 | 0.00 | 0.66 | 0.23 | 34.40 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 11.75 | 0.32220 | 31.94 | 0.00 | 5.08 | 1.75 | 0.00 | 0.66 | 0.21 | 34.18 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 11.50 | 0.32364 | 31.94 | 0.00 | 5.08 | 1.72 | 0.00 | 0.66 | 0.19 | 33.97 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 11.25 | 0.32507 | 31.94 | 0.00 | 5.08 | 1.70 | 0.00 | 0.66 | 0.17 | 33.75 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 11.00 | 0.32650 | 31.94 | 0.00 | 5.09 | 1.68 | 0.00 | 0.65 | 0.15 | 33.53 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 10.75 | 0.32794 | 31.94 | 0.00 | 5.10 | 1.67 | 0.00 | 0.65 | 0.14 | 33.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 10.50 | 0.32937 | 31.93 | 0.00 | 5.12 | 1.65 | 0.00 | 0.65 | 0.13 | 33.10 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 10.25 | 0.33080 | 31.93 | 0.00 | 5.13 | 1.64 | 0.00 | 0.65 | 0.12 | 32.88 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 10.00 | 0.33224 | 31.93 | 0.00 | 5.15 | 1.63 | 0.00 | 0.65 | 0.11 | 32.67 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 9.75 | 0.33367 | 31.93 | 0.00 | 5.16 | 1.62 | 0.00 | 0.65 | 0.10 | 32.45 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 9.50 | 0.33510 | 31.93 | 0.00 | 5.17 | 1.61 | 0.00 | 0.65 | 0.09 | 32.23 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 9.25 | 0.33654 | 31.93 | 0.00 | 5.18 | 1.60 | 0.00 | 0.65 | 0.09 | 32.02 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 9.00 | 0.33797 | 31.93 | 0.00 | 5.19 | 1.59 | 0.00 | 0.65 | 0.08 | 31.80 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 8.75 | 0.34100 | 31.93 | 0.00 | 5.19 | 1.62 | 0.00 | 0.65 | 0.08 | 31.58 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 8.50 | 0.34244 | 31.93 | 0.00 | 5.19 | 1.61 | 0.00 | 0.65 | 0.08 | 31.37 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 8.25 | 0.34387 | 31.93 | 0.00 | 5.20 | 1.60 | 0.00 | 0.65 | 0.07 | 31.15 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 8.00 | 0.34531 | 31.93 | 0.00 | 5.20 | 1.59 | 0.00 | 0.65 | 0.07 | 30.93 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 7.75 | 0.87337 | 31.93 | 0.00 | 8.04 | 2.41 | 0.00 | 1.10 | 0.09 | 30.72 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.45 | 2.75 |
| 7.50 | 0.87480 | 31.92 | 0.00 | 7.78 | 2.38 | 0.00 | 1.10 | 0.09 | 30.50 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.45 | 2.75 |
| 7.25 | 0.87623 | 31.92 | 0.00 | 7.53 | 2.35 | 0.00 | 1.09 | 0.08 | 30.28 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 |
| 7.00 | 0.87767 | 31.92 | 0.00 | 7.30 | 2.32 | 0.00 | 1.09 | 0.08 | 30.07 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 |
| 6.75 | 0.87910 | 31.92 | 0.00 | 7.10 | 2.29 | 0.00 | 1.09 | 0.08 | 29.85 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 |
| 6.50 | 0.88053 | 31.92 | 0.00 | 6.91 | 2.26 | 0.00 | 1.09 | 0.08 | 29.63 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 |
| 6.25 | 0.88197 | 31.92 | 0.00 | 6.74 | 2.23 | 0.00 | 1.09 | 0.08 | 29.42 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 6.00 | 0.88340 | 31.92 | 0.00 | 6.58 | 2.21 | 0.00 | 1.08 | 0.08 | 29.20 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 5.75 | 0.88483 | 31.92 | 0.00 | 6.43 | 2.18 | 0.00 | 1.08 | 0.08 | 28.98 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 5.50 | 0.88627 | 31.92 | 0.00 | 6.30 | 2.16 | 0.00 | 1.08 | 0.08 | 28.77 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 5.25 | 0.88770 | 31.92 | 0.00 | 6.18 | 2.14 | 0.00 | 1.08 | 0.08 | 28.55 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 5.00 | 0.88913 | 31.92 | 0.00 | 6.07 | 2.11 | 0.00 | 1.07 | 0.08 | 28.33 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 |
| 4.75 | 0.89057 | 31.92 | 0.00 | 5.97 | 2.09 | 0.00 | 1.07 | 0.08 | 28.12 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 4.50 | 0.89200 | 31.91 | 0.00 | 5.87 | 2.07 | 0.00 | 1.07 | 0.08 | 27.90 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 4.25 | 0.89343 | 31.91 | 0.00 | 5.79 | 2.05 | 0.00 | 1.07 | 0.08 | 27.68 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 4.00 | 0.89487 | 31.91 | 0.00 | 5.71 | 2.03 | 0.00 | 1.06 | 0.08 | 27.47 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 3.75 | 0.89630 | 31.91 | 0.00 | 5.64 | 2.01 | 0.00 | 1.06 | 0.07 | 27.25 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 3.50 | 0.89773 | 31.91 | 0.00 | 5.57 | 2.00 | 0.00 | 1.06 | 0.07 | 27.03 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 3.25 | 0.89917 | 31.91 | 0.00 | 5.51 | 1.98 | 0.00 | 1.06 | 0.07 | 26.82 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 3.00 | 0.90060 | 31.91 | 0.00 | 5.45 | 1.96 | 0.00 | 1.06 | 0.07 | 26.60 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 2.75 | 0.90203 | 31.91 | 0.00 | 5.40 | 1.95 | 0.00 | 1.05 | 0.07 | 26.38 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 |
| 2.50 | 0.90347 | 31.91 | 0.00 | 5.35 | 1.93 | 0.00 | 1.05 | 0.07 | 26.17 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 2.25 | 0.90490 | 31.91 | 0.00 | 5.30 | 1.92 | 0.00 | 1.05 | 0.07 | 25.95 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 2.00 | 0.90633 | 31.91 | 0.00 | 5.26 | 1.90 | 0.00 | 1.05 | 0.07 | 25.73 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 1.75 | 0.90777 | 31.91 | 0.00 | 5.22 | 1.89 | 0.00 | 1.04 | 0.07 | 25.52 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 1.50 | 0.90920 | 31.90 | 0.00 | 5.18 | 1.88 | 0.00 | 1.04 | 0.07 | 25.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 1.25 | 0.91063 | 31.90 | 0.00 | 5.15 | 1.86 | 0.00 | 1.04 | 0.07 | 25.08 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 1.00 | 0.91207 | 31.90 | 0.00 | 5.12 | 1.85 | 0.00 | 1.04 | 0.07 | 24.87 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 0.75 | 2.21588 | 31.90 | 0.00 | 5.02 | 3.09 | 0.00 | 1.38 | 0.11 | 24.65 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 0.50 | 2.21770 | 31.90 | 0.00 | 4.99 | 3.08 | 0.00 | 1.38 | 0.11 | 24.43 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 0.25 | 2.21914 | 31.90 | 0.00 | 4.96 | 3.05 | 0.00 | 1.38 | 0.11 | 24.22 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 0.00 | 2.22057 | 31.90 | 0.00 | 4.93 | 3.03 | 0.00 | 1.38 | 0.11 | 24.00 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 m²/s | CHLA m | DISP m | ADVEC MEAN DEPTH m/s | ADVEC MEAN WIDTH m/s | DO mg/L | REAER 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | HDWTR | | 0.255 | 31.2 | 0.0 | 6.7 | 3.7 | 0.0 | 1.3 | 0.1 | 20.0 | | | | | | | | | | | |
| 1 | IC 1 | 93.75 | 0.281 | 31.2 | 0.0 | 7.3 | 2.0 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.092 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 2.03 |
| 2 | IC 1 | 93.50 | 0.308 | 31.2 | 0.0 | 8.0 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.092 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.03 |
| 3 | IC 1 | 93.25 | 0.334 | 31.3 | 0.0 | 8.3 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.03 |
| 4 | IC 1 | 93.00 | 0.360 | 31.3 | 0.0 | 8.5 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 5 | IC 1 | 92.75 | 0.387 | 31.3 | 0.0 | 8.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 6 | IC 1 | 92.50 | 0.413 | 31.3 | 0.0 | 8.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 7 | IC 1 | 92.25 | 0.439 | 31.3 | 0.0 | 8.7 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.04 |
| 8 | IC 1 | 92.00 | 0.466 | 31.4 | 0.0 | 8.7 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 9 | IC 1 | 91.75 | 0.492 | 31.4 | 0.0 | 8.7 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 10 | IC 1 | 91.50 | 0.518 | 31.4 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 11 | IC 1 | 91.25 | 0.544 | 31.4 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.05 |
| 12 | IC 1 | 91.00 | 0.571 | 31.5 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 13 | IC 1 | 90.75 | 0.597 | 31.5 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 14 | IC 1 | 90.50 | 0.623 | 31.5 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.06 |
| 15 | IC 1 | 90.25 | 0.650 | 31.5 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 16 | IC 1 | 90.00 | 0.676 | 31.5 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.25 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 17 | IC 1 | 89.75 | 0.702 | 31.6 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 18 | IC 1 | 89.50 | 0.729 | 31.6 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.07 |
| 19 | IC 1 | 89.25 | 0.755 | 31.6 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 20 | IC 1 | 89.00 | 0.781 | 31.6 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.4 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 21 | IC 1 | 88.75 | 0.808 | 31.6 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.08 |
| 22 | IC 1 | 88.50 | 0.834 | 31.7 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.000 | 0.000 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.08 |
| 23 | IC 1 | 88.25 | 0.860 | 31.7 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 24 | IC 1 | 88.00 | 0.887 | 31.7 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 25 | IC 1 | 87.75 | 0.913 | 31.7 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.09 |
| 26 | IC 1 | 87.50 | 0.939 | 31.7 | 0.0 | 8.7 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 27 | IC 1 | 87.25 | 0.966 | 31.8 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 28 | IC 1 | 87.00 | 0.992 | 31.8 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 29 | IC 1 | 86.75 | 1.018 | 31.8 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.10 |
| 30 | IC 1 | 86.50 | 1.044 | 31.8 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 31 | IC 1 | 86.25 | 1.071 | 31.9 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 32 | IC 1 | 86.00 | 1.097 | 31.9 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.093 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.11 |
| 33 | IC 1 | 85.75 | 1.123 | 31.9 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 34 | IC 1 | 85.50 | 1.150 | 31.9 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 35 | IC 1 | 85.25 | 1.176 | 31.9 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 36 | IC 1 | 85.00 | 1.202 | 32.0 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.12 |
| 37 | IC 1 | 84.75 | 1.229 | 32.0 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.13 |
| 38 | IC 1 | 84.50 | 1.255 | 32.0 | 0.0 | 8.8 | 1.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 9.30 | 182.5 | 0.001 | 0.001 | 7.3 | 0.094 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.13 |
| WASTELOAD # 039 (Bayou Boeuff) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | IC 2 | 84.25 | 49.177 | 32.0 | 0.0 | 5.1 | 3.4 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 40 | IC 2 | 84.00 | 49.193 | 32.0 | 0.0 | 5.1 | 3.3 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 41 | IC 2 | 83.75 | 49.209 | 32.0 | 0.0 | 5.1 | 3.2 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 42 | IC 2 | 83.50 | 49.226 | 32.0 | 0.0 | 5.0 | 3.2 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | IC | 2 | 83.25 | 49.242 | 32.0 | 0.0 | 5.0 | 3.1 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 44 | IC | 2 | 83.00 | 49.259 | 32.0 | 0.0 | 5.0 | 3.1 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 45 | IC | 2 | 82.75 | 49.275 | 32.0 | 0.0 | 5.0 | 3.0 | 0.0 | 1.6 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 46 | IC | 2 | 82.50 | 49.292 | 32.0 | 0.0 | 5.0 | 2.9 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 47 | IC | 2 | 82.25 | 49.308 | 32.0 | 0.0 | 5.0 | 2.9 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 48 | IC | 2 | 82.00 | 49.325 | 32.0 | 0.0 | 5.0 | 2.8 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 49 | IC | 2 | 81.75 | 49.341 | 32.0 | 0.0 | 5.0 | 2.8 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 50 | IC | 2 | 81.50 | 49.357 | 32.0 | 0.0 | 5.0 | 2.7 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 51 | IC | 2 | 81.25 | 49.374 | 32.0 | 0.0 | 5.1 | 2.7 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 52 | IC | 2 | 81.00 | 49.390 | 32.0 | 0.0 | 5.1 | 2.7 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 53 | IC | 2 | 80.75 | 49.407 | 32.0 | 0.0 | 5.1 | 2.6 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 54 | IC | 2 | 80.50 | 49.423 | 32.0 | 0.0 | 5.1 | 2.6 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 55 | IC | 2 | 80.25 | 49.440 | 32.0 | 0.0 | 5.1 | 2.5 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 56 | IC | 2 | 80.00 | 49.456 | 32.0 | 0.0 | 5.1 | 2.5 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.018 | 0.018 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |

DIVERSION # 057 (Bayou Chene) LEAVES HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | IC | 2 | 79.75 | 12.997 | 32.0 | 0.0 | 5.1 | 2.5 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 58 | IC | 2 | 79.50 | 13.013 | 32.0 | 0.0 | 5.2 | 2.4 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 59 | IC | 2 | 79.25 | 13.030 | 32.0 | 0.0 | 5.3 | 2.3 | 0.0 | 1.5 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 60 | IC | 2 | 79.00 | 13.046 | 32.0 | 0.0 | 5.4 | 2.2 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.13 |
| 61 | IC | 2 | 78.75 | 13.062 | 32.0 | 0.0 | 5.5 | 2.1 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 2.14 |
| 62 | IC | 2 | 78.50 | 13.079 | 32.0 | 0.0 | 5.6 | 2.0 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 63 | IC | 2 | 78.25 | 13.095 | 32.0 | 0.0 | 5.7 | 2.0 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 64 | IC | 2 | 78.00 | 13.112 | 32.0 | 0.0 | 5.8 | 1.9 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 65 | IC | 2 | 77.75 | 13.128 | 32.1 | 0.0 | 5.9 | 1.9 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 66 | IC | 2 | 77.50 | 13.145 | 32.1 | 0.0 | 6.0 | 1.9 | 0.0 | 1.4 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 67 | IC | 2 | 77.25 | 13.161 | 32.1 | 0.0 | 6.2 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 68 | IC | 2 | 77.00 | 13.178 | 32.1 | 0.0 | 6.3 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 69 | IC | 2 | 76.75 | 13.194 | 32.1 | 0.0 | 6.4 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 70 | IC | 2 | 76.50 | 13.210 | 32.1 | 0.0 | 6.5 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |
| 71 | IC | 2 | 76.25 | 13.227 | 32.1 | 0.0 | 6.6 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 2.14 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| 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 | 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 |
| 72 | IC | 2 | 76.00 | 13.243 | 32.1 | 0.0 | 6.7 | 1.8 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 73 | IC | 2 | 75.75 | 13.260 | 32.1 | 0.0 | 6.8 | 1.7 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 74 | IC | 2 | 75.50 | 13.276 | 32.1 | 0.0 | 6.9 | 1.7 | 0.0 | 1.3 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 75 | IC | 2 | 75.25 | 13.293 | 32.1 | 0.0 | 7.0 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 76 | IC | 2 | 75.00 | 13.309 | 32.1 | 0.0 | 7.1 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 77 | IC | 2 | 74.75 | 13.326 | 32.1 | 0.0 | 7.2 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 78 | IC | 2 | 74.50 | 13.342 | 32.1 | 0.0 | 7.3 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 79 | IC | 2 | 74.25 | 13.358 | 32.1 | 0.0 | 7.4 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 80 | IC | 2 | 74.00 | 13.375 | 32.1 | 0.0 | 7.5 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 81 | IC | 2 | 73.75 | 13.391 | 32.1 | 0.0 | 7.6 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 82 | IC | 2 | 73.50 | 13.408 | 32.1 | 0.0 | 7.7 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 83 | IC | 2 | 73.25 | 13.424 | 32.1 | 0.0 | 7.8 | 1.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 84 | IC | 2 | 73.00 | 13.441 | 32.1 | 0.0 | 7.8 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | IC | 2 | 72.75 | 13.457 | 32.1 | 0.0 | 7.9 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 86 | IC | 2 | 72.50 | 13.474 | 32.1 | 0.0 | 8.0 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 87 | IC | 2 | 72.25 | 13.490 | 32.1 | 0.0 | 8.1 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 88 | IC | 2 | 72.00 | 13.506 | 32.1 | 0.0 | 8.1 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| WASTELOAD # 089 (Unnamed Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | IC | 2 | 71.75 | 15.080 | 32.1 | 0.0 | 8.0 | 1.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 90 | IC | 2 | 71.50 | 15.096 | 32.1 | 0.0 | 8.1 | 1.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 13.35 | 209.1 | 0.005 | 0.005 | 7.3 | 0.065 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.14 |
| 91 | IC | 3 | 71.25 | 15.113 | 32.1 | 0.0 | 8.0 | 1.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 92 | IC | 3 | 71.00 | 15.129 | 32.1 | 0.0 | 7.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 93 | IC | 3 | 70.75 | 15.146 | 32.1 | 0.0 | 7.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 94 | IC | 3 | 70.50 | 15.162 | 32.1 | 0.0 | 7.8 | 1.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 95 | IC | 3 | 70.25 | 15.179 | 32.1 | 0.0 | 7.8 | 1.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 96 | IC | 3 | 70.00 | 15.195 | 32.1 | 0.0 | 7.7 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.29 |
| 97 | IC | 3 | 69.75 | 15.212 | 32.1 | 0.0 | 7.7 | 1.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 98 | IC | 3 | 69.50 | 15.228 | 32.1 | 0.0 | 7.7 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 99 | IC | 3 | 69.25 | 15.244 | 32.1 | 0.0 | 7.7 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 100 | IC | 3 | 69.00 | 15.261 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 101 | IC | 3 | 68.75 | 15.277 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 102 | IC | 3 | 68.50 | 15.294 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 103 | IC | 3 | 68.25 | 15.310 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.30 |
| 104 | IC | 3 | 68.00 | 15.327 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 105 | IC | 3 | 67.75 | 15.343 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 106 | IC | 3 | 67.50 | 15.360 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 107 | IC | 3 | 67.25 | 15.376 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 108 | IC | 3 | 67.00 | 15.393 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 109 | IC | 3 | 66.75 | 15.409 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 110 | IC | 3 | 66.50 | 15.425 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.31 |
| 111 | IC | 3 | 66.25 | 15.442 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 112 | IC | 3 | 66.00 | 15.458 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 113 | IC | 3 | 65.75 | 15.475 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 114 | IC | 3 | 65.50 | 15.491 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 115 | IC | 3 | 65.25 | 15.508 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 116 | IC | 3 | 65.00 | 15.524 | 32.2 | 0.0 | 7.6 | 1.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.003 | 0.003 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| WASTELOAD # 117 (Copasaw Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 117 | IC | 3 | 64.75 | 30.829 | 32.2 | 0.0 | 6.9 | 3.7 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.32 |
| 118 | IC | 3 | 64.50 | 30.846 | 32.2 | 0.0 | 6.7 | 3.5 | 0.0 | 1.2 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 119 | IC | 3 | 64.25 | 30.862 | 32.3 | 0.0 | 6.5 | 3.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 120 | IC | 3 | 64.00 | 30.879 | 32.3 | 0.0 | 6.4 | 3.1 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 121 | IC | 3 | 63.75 | 30.895 | 32.3 | 0.0 | 6.3 | 2.9 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.33 |
| 122 | IC | 3 | 63.50 | 30.912 | 32.3 | 0.0 | 6.2 | 2.8 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 123 | IC | 3 | 63.25 | 30.928 | 32.3 | 0.0 | 6.1 | 2.7 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 124 | IC | 3 | 63.00 | 30.945 | 32.3 | 0.0 | 6.0 | 2.6 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.33 |
| 125 | IC | 3 | 62.75 | 30.961 | 32.3 | 0.0 | 6.0 | 2.5 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 126 | IC | 3 | 62.50 | 30.977 | 32.3 | 0.0 | 5.9 | 2.4 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 127 | IC | 3 | 62.25 | 30.994 | 32.3 | 0.0 | 5.9 | 2.3 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 128 | IC | 3 | 62.00 | 31.010 | 32.3 | 0.0 | 5.9 | 2.2 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.77 | 395.3 | 0.006 | 0.006 | 7.3 | 0.069 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.34 |
| 129 | IC | 4 | 61.75 | 31.027 | 32.3 | 0.0 | 5.9 | 2.2 | 0.0 | 1.1 | 0.1 | 20.0 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 130 | IC | 4 | 61.50 | 31.043 | 32.3 | 0.0 | 5.9 | 2.2 | 0.0 | 1.1 | 0.1 | 20.1 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 131 | IC | 4 | 61.25 | 31.060 | 32.3 | 0.0 | 5.8 | 2.1 | 0.0 | 1.1 | 0.1 | 20.1 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 132 | IC | 4 | 61.00 | 31.076 | 32.3 | 0.0 | 5.8 | 2.1 | 0.0 | 1.1 | 0.1 | 20.2 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133 | IC | 4 | 60.75 | 31.093 | 32.3 | 0.0 | 5.8 | 2.1 | 0.0 | 1.1 | 0.1 | 20.2 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 134 | IC | 4 | 60.50 | 31.109 | 32.3 | 0.0 | 5.8 | 2.1 | 0.0 | 1.1 | 0.1 | 20.2 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.77 |
| 135 | IC | 4 | 60.25 | 31.125 | 32.3 | 0.0 | 5.8 | 2.0 | 0.0 | 1.1 | 0.1 | 20.3 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 136 | IC | 4 | 60.00 | 31.142 | 32.3 | 0.0 | 5.8 | 2.0 | 0.0 | 1.1 | 0.1 | 20.3 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 137 | IC | 4 | 59.75 | 31.158 | 32.3 | 0.0 | 5.8 | 2.0 | 0.0 | 1.1 | 0.1 | 20.4 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 138 | IC | 4 | 59.50 | 31.175 | 32.3 | 0.0 | 5.8 | 2.0 | 0.0 | 1.1 | 0.1 | 20.4 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 139 | IC | 4 | 59.25 | 31.191 | 32.3 | 0.0 | 5.8 | 2.0 | 0.0 | 1.1 | 0.1 | 20.5 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 140 | IC | 4 | 59.00 | 31.208 | 32.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.1 | 0.1 | 20.5 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 141 | IC | 4 | 58.75 | 31.224 | 32.2 | 0.0 | 5.8 | 1.9 | 0.0 | 1.1 | 0.1 | 20.5 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 142 | IC | 4 | 58.50 | 31.240 | 32.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.1 | 0.1 | 20.6 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.76 |
| 143 | IC | 4 | 58.25 | 31.257 | 32.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.1 | 0.1 | 20.6 | 0.0 | 12.19 | 190.0 | 0.013 | 0.013 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| 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 |
| | | | | | | | | | | | | | ADVEC | MEAN | | | | | | | | | | | |
| 144 | IC | 4 | 58.00 | 31.273 | 32.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.1 | 0.1 | 20.7 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 145 | IC | 4 | 57.75 | 31.290 | 32.2 | 0.0 | 5.9 | 1.9 | 0.0 | 1.1 | 0.1 | 20.7 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 146 | IC | 4 | 57.50 | 31.306 | 32.2 | 0.0 | 5.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 147 | IC | 4 | 57.25 | 31.323 | 32.2 | 0.0 | 5.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 148 | IC | 4 | 57.00 | 31.339 | 32.2 | 0.0 | 5.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 149 | IC | 4 | 56.75 | 31.356 | 32.2 | 0.0 | 5.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.9 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 150 | IC | 4 | 56.50 | 31.372 | 32.2 | 0.0 | 5.9 | 1.8 | 0.0 | 1.1 | 0.1 | 20.9 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.75 |
| 151 | IC | 4 | 56.25 | 31.388 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.1 | 0.1 | 21.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 152 | IC | 4 | 56.00 | 31.405 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.1 | 0.1 | 21.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 153 | IC | 4 | 55.75 | 31.421 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.1 | 0.1 | 21.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 154 | IC | 4 | 55.50 | 31.438 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.1 | 0.1 | 21.1 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 155 | IC | 4 | 55.25 | 31.454 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.0 | 0.1 | 21.1 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 156 | IC | 4 | 55.00 | 31.471 | 32.2 | 0.0 | 6.0 | 1.8 | 0.0 | 1.0 | 0.1 | 21.2 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 157 | IC | 4 | 54.75 | 31.487 | 32.2 | 0.0 | 6.1 | 1.7 | 0.0 | 1.0 | 0.1 | 21.2 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 158 | IC | 4 | 54.50 | 31.503 | 32.2 | 0.0 | 6.1 | 1.7 | 0.0 | 1.0 | 0.1 | 21.2 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.74 |
| 159 | IC | 4 | 54.25 | 31.520 | 32.2 | 0.0 | 6.1 | 1.7 | 0.0 | 1.0 | 0.1 | 21.3 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 160 | IC | 4 | 54.00 | 31.536 | 32.2 | 0.0 | 6.1 | 1.7 | 0.0 | 1.0 | 0.1 | 21.3 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 161 | IC | 4 | 53.75 | 31.553 | 32.2 | 0.0 | 6.1 | 1.7 | 0.0 | 1.0 | 0.1 | 21.4 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 162 | IC | 4 | 53.50 | 31.569 | 32.2 | 0.0 | 6.2 | 1.7 | 0.0 | 1.0 | 0.1 | 21.4 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 163 | IC | 4 | 53.25 | 31.586 | 32.2 | 0.0 | 6.2 | 1.7 | 0.0 | 1.0 | 0.1 | 21.5 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 164 | IC | 4 | 53.00 | 31.602 | 32.1 | 0.0 | 6.2 | 1.7 | 0.0 | 1.0 | 0.1 | 21.5 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 165 | IC | 4 | 52.75 | 31.619 | 32.1 | 0.0 | 6.2 | 1.7 | 0.0 | 1.0 | 0.1 | 21.5 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 166 | IC | 4 | 52.50 | 31.635 | 32.1 | 0.0 | 6.3 | 1.7 | 0.0 | 1.0 | 0.1 | 21.6 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.73 |
| 167 | IC | 4 | 52.25 | 31.651 | 32.1 | 0.0 | 6.3 | 1.7 | 0.0 | 1.0 | 0.1 | 21.6 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 168 | IC | 4 | 52.00 | 31.668 | 32.1 | 0.0 | 6.3 | 1.7 | 0.0 | 1.0 | 0.1 | 21.7 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 169 | IC | 4 | 51.75 | 31.684 | 32.1 | 0.0 | 6.3 | 1.7 | 0.0 | 1.0 | 0.1 | 21.7 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 170 | IC | 4 | 51.50 | 31.701 | 32.1 | 0.0 | 6.3 | 1.7 | 0.0 | 1.0 | 0.1 | 21.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 171 | IC | 4 | 51.25 | 31.717 | 32.1 | 0.0 | 6.4 | 1.7 | 0.0 | 1.0 | 0.1 | 21.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 172 | IC | 4 | 51.00 | 31.734 | 32.1 | 0.0 | 6.4 | 1.7 | 0.0 | 1.0 | 0.1 | 21.8 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 173 | IC | 4 | 50.75 | 31.750 | 32.1 | 0.0 | 6.4 | 1.7 | 0.0 | 1.0 | 0.1 | 21.9 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 174 | IC | 4 | 50.50 | 31.766 | 32.1 | 0.0 | 6.4 | 1.7 | 0.0 | 1.0 | 0.1 | 21.9 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.72 |
| 175 | IC | 4 | 50.25 | 31.783 | 32.1 | 0.0 | 6.5 | 1.7 | 0.0 | 1.0 | 0.1 | 22.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 176 | IC | 4 | 50.00 | 31.799 | 32.1 | 0.0 | 6.5 | 1.7 | 0.0 | 1.0 | 0.1 | 22.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 177 | IC | 4 | 49.75 | 31.816 | 32.1 | 0.0 | 6.5 | 1.7 | 0.0 | 1.0 | 0.1 | 22.0 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 178 | IC | 4 | 49.50 | 31.832 | 32.1 | 0.0 | 6.5 | 1.7 | 0.0 | 1.0 | 0.1 | 22.1 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 179 | IC | 4 | 49.25 | 31.849 | 32.1 | 0.0 | 6.6 | 1.7 | 0.0 | 1.0 | 0.1 | 22.1 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |
| 180 | IC | 4 | 49.00 | 31.865 | 32.1 | 0.0 | 6.6 | 1.7 | 0.0 | 1.0 | 0.1 | 22.2 | 0.0 | 12.19 | 190.0 | 0.014 | 0.014 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 4.71 |

WASTELOAD # 181 (Minors Canal South) ENTERS HERE
DIVERSION # 181 (Minors Canal North) LEAVES HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | IC | 4 | 48.75 | 35.831 | 32.1 | 0.0 | 7.0 | 2.3 | 0.0 | 1.1 | 0.1 | 22.2 | 0.0 | 12.19 | 190.0 | 0.015 | 0.015 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.71 |
| 182 | IC | 4 | 48.50 | 35.848 | 32.1 | 0.0 | 7.0 | 2.3 | 0.0 | 1.1 | 0.1 | 22.2 | 0.0 | 12.19 | 190.0 | 0.015 | 0.015 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.71 |
| 183 | IC | 4 | 48.25 | 35.864 | 32.1 | 0.0 | 7.0 | 2.3 | 0.0 | 1.1 | 0.1 | 22.3 | 0.0 | 12.19 | 190.0 | 0.015 | 0.015 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 184 | IC | 4 | 48.00 | 35.880 | 32.1 | 0.0 | 7.0 | 2.2 | 0.0 | 1.1 | 0.1 | 22.3 | 0.0 | 12.19 | 190.0 | 0.015 | 0.015 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 185 | IC | 4 | 47.75 | 35.897 | 32.1 | 0.0 | 7.0 | 2.2 | 0.0 | 1.0 | 0.1 | 22.4 | 0.0 | 12.19 | 190.0 | 0.015 | 0.015 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 186 | IC | 4 | 47.50 | 35.913 | 32.1 | 0.0 | 7.0 | 2.2 | 0.0 | 1.0 | 0.1 | 22.4 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 187 | IC | 4 | 47.25 | 35.930 | 32.1 | 0.0 | 7.0 | 2.1 | 0.0 | 1.0 | 0.1 | 22.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 188 | IC | 4 | 47.00 | 35.946 | 32.0 | 0.0 | 7.0 | 2.1 | 0.0 | 1.0 | 0.1 | 22.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 189 | IC | 4 | 46.75 | 35.963 | 32.0 | 0.0 | 7.0 | 2.1 | 0.0 | 1.0 | 0.1 | 22.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 190 | IC | 4 | 46.50 | 35.979 | 32.0 | 0.0 | 7.0 | 2.1 | 0.0 | 1.0 | 0.1 | 22.6 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 191 | IC | 4 | 46.25 | 35.996 | 32.0 | 0.0 | 7.0 | 2.1 | 0.0 | 1.0 | 0.1 | 22.6 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.70 |
| 192 | IC | 4 | 46.00 | 36.012 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.7 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 193 | IC | 4 | 45.75 | 36.028 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.7 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 194 | IC | 4 | 45.50 | 36.045 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.072 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 195 | IC | 4 | 45.25 | 36.061 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 196 | IC | 4 | 45.00 | 36.078 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 197 | IC | 4 | 44.75 | 36.094 | 32.0 | 0.0 | 7.0 | 2.0 | 0.0 | 1.0 | 0.1 | 22.9 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 198 | IC | 4 | 44.50 | 36.111 | 32.0 | 0.0 | 7.0 | 1.9 | 0.0 | 1.0 | 0.1 | 22.9 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 199 | IC | 4 | 44.25 | 36.127 | 32.0 | 0.0 | 7.0 | 1.9 | 0.0 | 1.0 | 0.1 | 23.0 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.69 |
| 200 | IC | 4 | 44.00 | 36.143 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.0 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 201 | IC | 4 | 43.75 | 36.160 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.0 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 202 | IC | 4 | 43.50 | 36.176 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.1 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 203 | IC | 4 | 43.25 | 36.193 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.1 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 204 | IC | 4 | 43.00 | 36.209 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.2 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 205 | IC | 4 | 42.75 | 36.226 | 32.0 | 0.0 | 7.1 | 1.9 | 0.0 | 1.0 | 0.1 | 23.2 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 206 | IC | 4 | 42.50 | 36.242 | 32.0 | 0.0 | 7.1 | 1.8 | 0.0 | 1.0 | 0.1 | 23.2 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 207 | IC | 4 | 42.25 | 36.259 | 32.0 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.3 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.68 |
| 208 | IC | 4 | 42.00 | 36.275 | 32.0 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.3 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 209 | IC | 4 | 41.75 | 36.291 | 32.0 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.4 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 210 | IC | 4 | 41.50 | 36.308 | 32.0 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.4 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 211 | IC | 4 | 41.25 | 36.324 | 32.0 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 212 | IC | 4 | 41.00 | 36.341 | 31.9 | 0.0 | 7.2 | 1.8 | 0.0 | 1.0 | 0.1 | 23.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 213 | IC | 4 | 40.75 | 36.357 | 31.9 | 0.0 | 7.3 | 1.8 | 0.0 | 1.0 | 0.1 | 23.5 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 214 | IC | 4 | 40.50 | 36.374 | 31.9 | 0.0 | 7.3 | 1.8 | 0.0 | 1.0 | 0.1 | 23.6 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |
| 215 | IC | 4 | 40.25 | 36.390 | 31.9 | 0.0 | 7.3 | 1.8 | 0.0 | 1.0 | 0.1 | 23.6 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.67 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| 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 | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| 216 | IC | 4 | 40.00 | 36.406 | 31.9 | 0.0 | 7.3 | 1.8 | 0.0 | 1.0 | 0.1 | 23.7 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 217 | IC | 4 | 39.75 | 36.423 | 31.9 | 0.0 | 7.3 | 1.8 | 0.0 | 1.0 | 0.1 | 23.7 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 218 | IC | 4 | 39.50 | 36.439 | 31.9 | 0.0 | 7.4 | 1.8 | 0.0 | 1.0 | 0.1 | 23.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 219 | IC | 4 | 39.25 | 36.456 | 31.9 | 0.0 | 7.4 | 1.8 | 0.0 | 1.0 | 0.1 | 23.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 220 | IC | 4 | 39.00 | 36.472 | 31.9 | 0.0 | 7.4 | 1.8 | 0.0 | 1.0 | 0.1 | 23.8 | 0.0 | 12.19 | 190.0 | 0.016 | 0.016 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| DIVERSION # 221 (Houma Nav. Can.) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 | IC | 4 | 38.75 | 12.678 | 31.9 | 0.0 | 7.4 | 1.7 | 0.0 | 1.0 | 0.1 | 23.9 | 0.0 | 12.19 | 190.0 | 0.005 | 0.005 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 222 | IC | 4 | 38.50 | 12.694 | 31.9 | 0.0 | 7.5 | 1.7 | 0.0 | 1.0 | 0.1 | 23.9 | 0.0 | 12.19 | 190.0 | 0.005 | 0.005 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| WASTELOAD # 223 (PS ICWW#1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 223 | IC | 4 | 38.25 | 12.711 | 31.9 | 0.0 | 7.5 | 1.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.19 | 190.0 | 0.005 | 0.005 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.66 |
| 224 | IC | 4 | 38.00 | 12.727 | 31.9 | 0.0 | 7.6 | 1.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.19 | 190.0 | 0.005 | 0.005 | 7.3 | 0.071 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 4.65 |
| TRIBUTARY # 225 (Bayou Black) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 405 | IC | 8 | 37.75 | 14.969 | 31.9 | 0.0 | 7.3 | 2.0 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 406 | IC | 8 | 37.50 | 14.990 | 31.9 | 0.0 | 7.4 | 2.0 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 407 | IC | 8 | 37.25 | 15.012 | 31.9 | 0.0 | 7.5 | 2.0 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 408 | IC | 8 | 37.00 | 15.033 | 31.9 | 0.0 | 7.5 | 2.1 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 409 | IC | 8 | 36.75 | 15.055 | 31.9 | 0.0 | 7.6 | 2.1 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 410 | IC | 8 | 36.50 | 15.076 | 31.9 | 0.0 | 7.7 | 2.1 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 411 | IC | 8 | 36.25 | 15.098 | 31.9 | 0.0 | 7.7 | 2.2 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 412 | IC | 8 | 36.00 | 15.119 | 31.9 | 0.0 | 7.8 | 2.2 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 413 (Bayou Terrebonne W.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIVERSION # 413 (Bayou Terrebonne E.) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 413 | IC | 8 | 35.75 | 15.593 | 31.9 | 0.0 | 7.6 | 2.8 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 414 | IC | 8 | 35.50 | 15.615 | 31.9 | 0.0 | 7.6 | 2.7 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 415 | IC | 8 | 35.25 | 15.636 | 31.9 | 0.0 | 7.6 | 2.7 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 416 | IC | 8 | 35.00 | 15.658 | 31.9 | 0.0 | 7.6 | 2.7 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 417 (LA0111376) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 417 | IC | 8 | 34.75 | 15.679 | 31.9 | 0.0 | 7.6 | 2.7 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 418 | IC | 8 | 34.50 | 15.700 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 419 | IC | 8 | 34.25 | 15.722 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 1.1 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 420 | IC | 8 | 34.00 | 15.743 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 421 | IC | 8 | 33.75 | 15.765 | 31.9 | 0.0 | 7.7 | 2.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 422 | IC | 8 | 33.50 | 15.786 | 31.9 | 0.0 | 7.7 | 2.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 423 | IC | 8 | 33.25 | 15.808 | 31.9 | 0.0 | 7.7 | 2.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 424 | IC | 8 | 33.00 | 15.829 | 31.9 | 0.0 | 7.7 | 2.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 425 | IC | 8 | 32.75 | 15.850 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 426 | IC | 8 | 32.50 | 15.872 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 427 | IC | 8 | 32.25 | 15.893 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 428 | IC | 8 | 32.00 | 15.915 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 429 | IC | 8 | 31.75 | 15.936 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 430 | IC | 8 | 31.50 | 15.958 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 431 | IC | 8 | 31.25 | 15.979 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 432 | IC | 8 | 31.00 | 16.000 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 433 | IC | 8 | 30.75 | 16.022 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 434 | IC | 8 | 30.50 | 16.043 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 435 | IC | 8 | 30.25 | 16.065 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 436 | IC | 8 | 30.00 | 16.086 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 437 | IC | 8 | 29.75 | 16.107 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 438 | IC | 8 | 29.50 | 16.129 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 439 | IC | 8 | 29.25 | 16.150 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 440 | IC | 8 | 29.00 | 16.172 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | IC | 8 | 28.75 | 16.193 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 442 | IC | 8 | 28.50 | 16.215 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 443 | IC | 8 | 28.25 | 16.236 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 444 | IC | 8 | 28.00 | 16.257 | 31.9 | 0.0 | 8.2 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 445 | IC | 8 | 27.75 | 16.279 | 31.9 | 0.0 | 8.2 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 446 | IC | 8 | 27.50 | 16.300 | 31.9 | 0.0 | 8.2 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 447 | IC | 8 | 27.25 | 16.322 | 31.9 | 0.0 | 8.2 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 448 | IC | 8 | 27.00 | 16.343 | 31.9 | 0.0 | 8.2 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 449 | IC | 8 | 26.75 | 16.365 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 450 | IC | 8 | 26.50 | 16.386 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 451 | IC | 8 | 26.25 | 16.407 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 452 | IC | 8 | 26.00 | 16.429 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 453 | IC | 8 | 25.75 | 16.450 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 454 | IC | 8 | 25.50 | 16.472 | 31.9 | 0.0 | 8.3 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 455 | IC | 8 | 25.25 | 16.493 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 456 | IC | 8 | 25.00 | 16.514 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 457 | IC | 8 | 24.75 | 16.536 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 458 | IC | 8 | 24.50 | 16.557 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 459 | IC | 8 | 24.25 | 16.579 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 460 | IC | 8 | 24.00 | 16.600 | 31.9 | 0.0 | 8.4 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 461 (LA0104868) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 461 | IC | 8 | 23.75 | 16.622 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 462 | IC | 8 | 23.50 | 16.643 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| 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 |
| 463 | IC | 8 | 23.25 | 16.664 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 464 | IC | 8 | 23.00 | 16.686 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 465 | IC | 8 | 22.75 | 16.707 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 466 | IC | 8 | 22.50 | 16.729 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 467 (LA0089648) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 467 | IC | 8 | 22.25 | 16.754 | 31.9 | 0.0 | 8.5 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 468 | IC | 8 | 22.00 | 16.775 | 31.9 | 0.0 | 8.6 | 2.4 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.008 | 0.008 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 469 (Company Canal North) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIVERSION # 469 (Company Canal South) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 469 | IC | 8 | 21.75 | 20.420 | 31.9 | 0.0 | 7.8 | 3.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 470 | IC | 8 | 21.50 | 20.442 | 31.9 | 0.0 | 7.7 | 3.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 471 | IC | 8 | 21.25 | 20.463 | 31.9 | 0.0 | 7.7 | 3.6 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 472 | IC | 8 | 21.00 | 20.485 | 31.9 | 0.0 | 7.6 | 3.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 473 | IC | 8 | 20.75 | 20.506 | 31.9 | 0.0 | 7.6 | 3.5 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 474 | IC | 8 | 20.50 | 20.528 | 31.9 | 0.0 | 7.5 | 3.4 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 475 | IC | 8 | 20.25 | 20.549 | 31.9 | 0.0 | 7.5 | 3.3 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 476 | IC | 8 | 20.00 | 20.570 | 31.9 | 0.0 | 7.5 | 3.3 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 477 | IC | 8 | 19.75 | 20.592 | 31.9 | 0.0 | 7.4 | 3.2 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 478 | IC | 8 | 19.50 | 20.613 | 31.9 | 0.0 | 7.4 | 3.2 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 479 | IC | 8 | 19.25 | 20.635 | 31.9 | 0.0 | 7.4 | 3.1 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 480 | IC | 8 | 19.00 | 20.656 | 31.9 | 0.0 | 7.4 | 3.1 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 481 | IC | 8 | 18.75 | 20.678 | 31.9 | 0.0 | 7.4 | 3.0 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 482 | IC | 8 | 18.50 | 20.699 | 31.9 | 0.0 | 7.4 | 3.0 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 483 | IC | 8 | 18.25 | 20.720 | 31.9 | 0.0 | 7.4 | 2.9 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 484 | IC | 8 | 18.00 | 20.742 | 31.9 | 0.0 | 7.4 | 2.9 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 485 | IC | 8 | 17.75 | 20.763 | 31.9 | 0.0 | 7.4 | 2.9 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 486 | IC | 8 | 17.50 | 20.785 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 487 | IC | 8 | 17.25 | 20.806 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 488 | IC | 8 | 17.00 | 20.827 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 489 | IC | 8 | 16.75 | 20.849 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 490 | IC | 8 | 16.50 | 20.870 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 491 | IC | 8 | 16.25 | 20.892 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 492 | IC | 8 | 16.00 | 20.913 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.010 | 0.010 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 493 (St Louis Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 493 | IC | 8 | 15.75 | 21.388 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 494 | IC | 8 | 15.50 | 21.409 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 495 | IC | 8 | 15.25 | 21.430 | 31.9 | 0.0 | 7.4 | 2.8 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 496 | IC | 8 | 15.00 | 21.452 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 497 | IC | 8 | 14.75 | 21.473 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 498 | IC | 8 | 14.50 | 21.495 | 31.9 | 0.0 | 7.4 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 499 | IC | 8 | 14.25 | 21.516 | 31.9 | 0.0 | 7.5 | 2.7 | 0.0 | 1.0 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 500 | IC | 8 | 14.00 | 21.538 | 31.9 | 0.0 | 7.5 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 501 | IC | 8 | 13.75 | 21.559 | 31.9 | 0.0 | 7.5 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 502 | IC | 8 | 13.50 | 21.580 | 31.9 | 0.0 | 7.5 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 503 | IC | 8 | 13.25 | 21.602 | 31.9 | 0.0 | 7.5 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 504 | IC | 8 | 13.00 | 21.623 | 31.9 | 0.0 | 7.5 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 505 | IC | 8 | 12.75 | 21.645 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 506 | IC | 8 | 12.50 | 21.666 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 507 | IC | 8 | 12.25 | 21.687 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 508 | IC | 8 | 12.00 | 21.709 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 509 | IC | 8 | 11.75 | 21.730 | 31.9 | 0.0 | 7.6 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 510 | IC | 8 | 11.50 | 21.752 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 511 | IC | 8 | 11.25 | 21.773 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 512 | IC | 8 | 11.00 | 21.795 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 513 | IC | 8 | 10.75 | 21.816 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 514 | IC | 8 | 10.50 | 21.837 | 31.9 | 0.0 | 7.7 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 515 | IC | 8 | 10.25 | 21.859 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 516 | IC | 8 | 10.00 | 21.880 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 517 | IC | 8 | 9.75 | 21.902 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 518 | IC | 8 | 9.50 | 21.923 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 519 | IC | 8 | 9.25 | 21.945 | 31.9 | 0.0 | 7.8 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 520 | IC | 8 | 9.00 | 21.966 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 521 | IC | 8 | 8.75 | 21.987 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 522 | IC | 8 | 8.50 | 22.009 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 523 | IC | 8 | 8.25 | 22.030 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 524 | IC | 8 | 8.00 | 22.052 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.011 | 0.011 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 525 (Bayou Bleu North) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 525 | IC | 8 | 7.75 | 23.291 | 31.9 | 0.0 | 7.8 | 2.8 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 526 | IC | 8 | 7.50 | 23.312 | 31.9 | 0.0 | 7.8 | 2.8 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 527 | IC | 8 | 7.25 | 23.333 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528 | IC | 8 | 7.00 | 23.355 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 529 | IC | 8 | 6.75 | 23.376 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 530 | IC | 8 | 6.50 | 23.398 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 531 | IC | 8 | 6.25 | 23.419 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

EXPANDED CAPSULE SUMMARY FOR ICWW

| 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 |
| 532 | IC | 8 | 6.00 | 23.440 | 31.9 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 533 | IC | 8 | 5.75 | 23.462 | 31.9 | 0.0 | 7.8 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 534 | IC | 8 | 5.50 | 23.483 | 31.9 | 0.0 | 7.8 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 535 | IC | 8 | 5.25 | 23.505 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 536 | IC | 8 | 5.00 | 23.526 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 537 | IC | 8 | 4.75 | 23.548 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 538 | IC | 8 | 4.50 | 23.569 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 539 | IC | 8 | 4.25 | 23.590 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 540 | IC | 8 | 4.00 | 23.612 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| DIVERSION # 541 (Bayou Bleu South) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 541 | IC | 8 | 3.75 | 23.237 | 31.9 | 0.0 | 7.9 | 2.6 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 542 | IC | 8 | 3.50 | 23.258 | 31.9 | 0.0 | 7.9 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 543 | IC | 8 | 3.25 | 23.280 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 544 | IC | 8 | 3.00 | 23.301 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 545 | IC | 8 | 2.75 | 23.323 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 546 | IC | 8 | 2.50 | 23.344 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 547 | IC | 8 | 2.25 | 23.365 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 548 | IC | 8 | 2.00 | 23.387 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| WASTELOAD # 549 (PS ICWW#2) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 549 | IC | 8 | 1.75 | 23.408 | 31.9 | 0.0 | 8.0 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 550 | IC | 8 | 1.50 | 23.430 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 551 | IC | 8 | 1.25 | 23.451 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 552 | IC | 8 | 1.00 | 23.473 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 553 | IC | 8 | 0.75 | 23.494 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 554 | IC | 8 | 0.50 | 23.515 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 555 | IC | 8 | 0.25 | 23.537 | 31.9 | 0.0 | 8.1 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |
| 556 | IC | 8 | 0.00 | 23.558 | 31.9 | 0.0 | 8.2 | 2.5 | 0.0 | 0.9 | 0.1 | 24.0 | 0.0 | 12.80 | 155.8 | 0.012 | 0.012 | 7.3 | 0.068 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 2.75 |

EXPANDED CAPSULE SUMMARY FOR Bayou Black

| 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 |
| 225 | BB | 5 | 44.75 | 0.011 | 32.1 | 0.0 | 10.9 | 0.3 | 0.0 | 0.2 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 226 | BB | 5 | 44.50 | 0.015 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 227 | BB | 5 | 44.25 | 0.019 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 228 | BB | 5 | 44.00 | 0.023 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 229 | BB | 5 | 43.75 | 0.027 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | BB | 5 | 43.50 | 0.031 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 231 | BB | 5 | 43.25 | 0.035 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 232 | BB | 5 | 43.00 | 0.039 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 233 | BB | 5 | 42.75 | 0.043 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 234 | BB | 5 | 42.50 | 0.047 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 235 | BB | 5 | 42.25 | 0.051 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 236 | BB | 5 | 42.00 | 0.055 | 32.1 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.50 |
| 237 | BB | 5 | 41.75 | 0.059 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 238 | BB | 5 | 41.50 | 0.063 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 239 | BB | 5 | 41.25 | 0.067 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 240 | BB | 5 | 41.00 | 0.071 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 241 | BB | 5 | 40.75 | 0.075 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 242 | BB | 5 | 40.50 | 0.079 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 243 | BB | 5 | 40.25 | 0.083 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 244 | BB | 5 | 40.00 | 0.087 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 245 | BB | 5 | 39.75 | 0.091 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 246 | BB | 5 | 39.50 | 0.095 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 247 | BB | 5 | 39.25 | 0.099 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 248 | BB | 5 | 39.00 | 0.103 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 249 | BB | 5 | 38.75 | 0.107 | 32.0 | 0.0 | 11.2 | 0.2 | 0.0 | 0.1 | 0.0 | 25.0 | 0.0 | 4.57 | 196.7 | 0.000 | 0.000 | 7.3 | 0.191 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 250 | BB | 6 | 38.50 | 0.110 | 32.0 | 0.0 | 9.3 | 0.8 | 0.0 | 0.1 | 0.0 | 25.7 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 251 | BB | 6 | 38.25 | 0.113 | 32.0 | 0.0 | 8.2 | 1.3 | 0.0 | 0.2 | 0.0 | 26.4 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 252 | BB | 6 | 38.00 | 0.116 | 32.0 | 0.0 | 7.5 | 1.7 | 0.0 | 0.2 | 0.0 | 27.1 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.45 | 1.49 |
| 253 | BB | 6 | 37.75 | 0.118 | 32.0 | 0.0 | 7.1 | 2.0 | 0.0 | 0.3 | 0.0 | 27.9 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 254 | BB | 6 | 37.50 | 0.121 | 32.0 | 0.0 | 6.8 | 2.2 | 0.0 | 0.3 | 0.0 | 28.6 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 255 | BB | 6 | 37.25 | 0.124 | 32.0 | 0.0 | 6.7 | 2.4 | 0.0 | 0.3 | 0.0 | 29.3 | 0.0 | 1.16 | 31.2 | 0.003 | 0.003 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 256 | BB | 6 | 37.00 | 0.127 | 32.0 | 0.0 | 6.6 | 2.6 | 0.0 | 0.4 | 0.0 | 30.0 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 257 | BB | 6 | 36.75 | 0.130 | 32.0 | 0.0 | 6.5 | 2.7 | 0.0 | 0.4 | 0.0 | 30.7 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 258 | BB | 6 | 36.50 | 0.133 | 32.0 | 0.0 | 6.5 | 2.8 | 0.0 | 0.4 | 0.0 | 31.4 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 259 | BB | 6 | 36.25 | 0.136 | 32.0 | 0.0 | 6.4 | 2.8 | 0.0 | 0.4 | 0.0 | 32.1 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| WASTELOAD # 260 (LAG531469) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260 | BB | 6 | 36.00 | 0.139 | 32.0 | 0.0 | 6.4 | 2.9 | 0.0 | 0.5 | 0.0 | 32.9 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| 261 | BB | 6 | 35.75 | 0.141 | 32.0 | 0.0 | 6.4 | 3.0 | 0.0 | 0.5 | 0.0 | 33.6 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.43 | 1.49 |
| 262 | BB | 6 | 35.50 | 0.144 | 32.0 | 0.0 | 6.5 | 3.0 | 0.0 | 0.5 | 0.0 | 34.3 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 263 | BB | 6 | 35.25 | 0.147 | 32.0 | 0.0 | 6.5 | 3.0 | 0.0 | 0.5 | 0.0 | 35.0 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 264 | BB | 6 | 35.00 | 0.150 | 32.0 | 0.0 | 6.5 | 3.1 | 0.0 | 0.5 | 0.0 | 35.7 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 265 | BB | 6 | 34.75 | 0.153 | 32.0 | 0.0 | 6.5 | 3.1 | 0.0 | 0.6 | 0.0 | 36.4 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 266 | BB | 6 | 34.50 | 0.156 | 32.0 | 0.0 | 6.6 | 3.1 | 0.0 | 0.6 | 0.0 | 37.1 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 267 | BB | 6 | 34.25 | 0.159 | 32.0 | 0.0 | 6.6 | 3.1 | 0.0 | 0.6 | 0.0 | 37.9 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| WASTELOAD # 268 (LAG540726) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 268 | BB | 6 | 34.00 | 0.161 | 32.0 | 0.0 | 6.6 | 3.1 | 0.0 | 0.6 | 0.0 | 38.6 | 0.0 | 1.16 | 31.2 | 0.004 | 0.004 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 269 | BB | 6 | 33.75 | 0.164 | 32.0 | 0.0 | 6.7 | 3.1 | 0.0 | 0.6 | 0.0 | 39.3 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 270 | BB | 6 | 33.50 | 0.167 | 32.0 | 0.0 | 6.7 | 3.1 | 0.0 | 0.6 | 0.0 | 40.0 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 271 | BB | 6 | 33.25 | 0.170 | 32.0 | 0.0 | 6.7 | 3.1 | 0.0 | 0.7 | 0.0 | 40.7 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 272 | BB | 6 | 33.00 | 0.173 | 32.0 | 0.0 | 6.8 | 3.1 | 0.0 | 0.7 | 0.0 | 41.4 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 273 | BB | 6 | 32.75 | 0.176 | 32.0 | 0.0 | 6.8 | 3.1 | 0.0 | 0.7 | 0.0 | 42.1 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 274 | BB | 6 | 32.50 | 0.179 | 32.0 | 0.0 | 6.8 | 3.1 | 0.0 | 0.7 | 0.0 | 42.9 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 275 | BB | 6 | 32.25 | 0.181 | 32.0 | 0.0 | 6.9 | 3.1 | 0.0 | 0.7 | 0.0 | 43.6 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 276 | BB | 6 | 32.00 | 0.184 | 32.0 | 0.0 | 6.9 | 3.1 | 0.0 | 0.7 | 0.0 | 44.3 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 277 | BB | 6 | 31.75 | 0.187 | 32.0 | 0.0 | 6.9 | 3.1 | 0.0 | 0.7 | 0.0 | 45.0 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |

WASTELOAD # 278 (PS Black Bayou#1) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 278 | BB | 6 | 31.50 | 0.192 | 32.0 | 0.0 | 6.9 | 3.3 | 0.0 | 0.7 | 0.1 | 45.7 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 279 | BB | 6 | 31.25 | 0.194 | 32.0 | 0.0 | 7.0 | 3.3 | 0.0 | 0.7 | 0.1 | 46.4 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 280 | BB | 6 | 31.00 | 0.197 | 32.0 | 0.0 | 7.0 | 3.3 | 0.0 | 0.8 | 0.1 | 47.1 | 0.0 | 1.16 | 31.2 | 0.005 | 0.005 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 281 | BB | 6 | 30.75 | 0.200 | 32.0 | 0.0 | 7.0 | 3.2 | 0.0 | 0.8 | 0.0 | 47.9 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 282 | BB | 6 | 30.50 | 0.203 | 32.0 | 0.0 | 7.1 | 3.2 | 0.0 | 0.8 | 0.0 | 48.6 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 283 | BB | 6 | 30.25 | 0.206 | 32.0 | 0.0 | 7.1 | 3.2 | 0.0 | 0.8 | 0.0 | 49.3 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 284 | BB | 6 | 30.00 | 0.209 | 32.0 | 0.0 | 7.2 | 3.2 | 0.0 | 0.8 | 0.0 | 50.0 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.26 | 0.00 | 0.00 | 0.00 | 0.44 | 1.49 |
| 285 | BB | 7 | 29.75 | 0.210 | 32.0 | 0.0 | 6.8 | 3.0 | 0.0 | 0.8 | 0.0 | 49.8 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.77 |
| 286 | BB | 7 | 29.50 | 0.212 | 32.0 | 0.0 | 6.5 | 2.8 | 0.0 | 0.8 | 0.0 | 49.6 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.77 |
| 287 | BB | 7 | 29.25 | 0.213 | 32.0 | 0.0 | 6.4 | 2.6 | 0.0 | 0.8 | 0.0 | 49.3 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 288 | BB | 7 | 29.00 | 0.214 | 32.0 | 0.0 | 6.3 | 2.5 | 0.0 | 0.8 | 0.0 | 49.1 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 289 | BB | 7 | 28.75 | 0.216 | 32.0 | 0.0 | 6.2 | 2.3 | 0.0 | 0.8 | 0.0 | 48.9 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 290 | BB | 7 | 28.50 | 0.217 | 32.0 | 0.0 | 6.2 | 2.2 | 0.0 | 0.8 | 0.0 | 48.7 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 291 | BB | 7 | 28.25 | 0.219 | 32.0 | 0.0 | 6.1 | 2.1 | 0.0 | 0.8 | 0.0 | 48.5 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |

WASTELOAD # 292 (PS Black Bayou#2) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 292 | BB | 7 | 28.00 | 0.222 | 32.0 | 0.0 | 6.1 | 2.2 | 0.0 | 0.8 | 0.1 | 48.3 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 293 | BB | 7 | 27.75 | 0.224 | 32.0 | 0.0 | 6.1 | 2.1 | 0.0 | 0.8 | 0.1 | 48.0 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 294 | BB | 7 | 27.50 | 0.225 | 32.0 | 0.0 | 6.1 | 2.0 | 0.0 | 0.8 | 0.1 | 47.8 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |

EXPANDED CAPSULE SUMMARY FOR Bayou Black

| 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 |
| 295 | BB | 7 | 27.25 | 0.226 | 32.0 | 0.0 | 6.1 | 2.0 | 0.0 | 0.7 | 0.1 | 47.6 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 296 | BB | 7 | 27.00 | 0.228 | 32.0 | 0.0 | 6.1 | 1.9 | 0.0 | 0.7 | 0.1 | 47.4 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 297 | BB | 7 | 26.75 | 0.229 | 32.0 | 0.0 | 6.1 | 1.9 | 0.0 | 0.7 | 0.1 | 47.2 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 298 | BB | 7 | 26.50 | 0.231 | 32.0 | 0.0 | 6.1 | 1.8 | 0.0 | 0.7 | 0.0 | 47.0 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 299 | BB | 7 | 26.25 | 0.232 | 32.0 | 0.0 | 6.1 | 1.8 | 0.0 | 0.7 | 0.0 | 46.8 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 300 | BB | 7 | 26.00 | 0.234 | 32.0 | 0.0 | 6.1 | 1.7 | 0.0 | 0.7 | 0.0 | 46.5 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 301 | BB | 7 | 25.75 | 0.235 | 32.0 | 0.0 | 6.1 | 1.7 | 0.0 | 0.7 | 0.0 | 46.3 | 0.0 | 1.16 | 31.2 | 0.006 | 0.006 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 302 | BB | 7 | 25.50 | 0.236 | 32.0 | 0.0 | 6.1 | 1.7 | 0.0 | 0.7 | 0.0 | 46.1 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 303 | BB | 7 | 25.25 | 0.238 | 32.0 | 0.0 | 6.1 | 1.7 | 0.0 | 0.7 | 0.0 | 45.9 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.77 |
| 304 | BB | 7 | 25.00 | 0.239 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 45.7 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 305 | BB | 7 | 24.75 | 0.241 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 45.5 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 306 | BB | 7 | 24.50 | 0.242 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 45.2 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 307 | BB | 7 | 24.25 | 0.244 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 45.0 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 308 | BB | 7 | 24.00 | 0.245 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 44.8 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 309 | BB | 7 | 23.75 | 0.246 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 44.6 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 310 | BB | 7 | 23.50 | 0.248 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 44.4 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 311 | BB | 7 | 23.25 | 0.249 | 32.0 | 0.0 | 6.1 | 1.6 | 0.0 | 0.7 | 0.0 | 44.2 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |

WASTELOAD # 312 (LAG541223) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 312 | BB | 7 | 23.00 | 0.251 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 43.9 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 313 | BB | 7 | 22.75 | 0.253 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 43.7 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 314 | BB | 7 | 22.50 | 0.254 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 43.5 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 315 | BB | 7 | 22.25 | 0.256 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 43.3 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 316 | BB | 7 | 22.00 | 0.257 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 43.1 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 317 | BB | 7 | 21.75 | 0.259 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 42.8 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 318 | BB | 7 | 21.50 | 0.260 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 42.6 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 319 | BB | 7 | 21.25 | 0.261 | 32.0 | 0.0 | 6.0 | 1.6 | 0.0 | 0.7 | 0.0 | 42.4 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 320 | BB | 7 | 21.00 | 0.263 | 32.0 | 0.0 | 6.0 | 1.5 | 0.0 | 0.7 | 0.0 | 42.2 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 321 | BB | 7 | 20.75 | 0.264 | 32.0 | 0.0 | 6.0 | 1.5 | 0.0 | 0.7 | 0.0 | 42.0 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 322 | BB | 7 | 20.50 | 0.266 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 41.8 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 323 | BB | 7 | 20.25 | 0.267 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 41.5 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 324 | BB | 7 | 20.00 | 0.269 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 41.3 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 325 | BB | 7 | 19.75 | 0.270 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 41.1 | 0.0 | 1.16 | 31.2 | 0.007 | 0.007 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 326 | BB | 7 | 19.50 | 0.272 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 40.9 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 327 | BB | 7 | 19.25 | 0.273 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 40.7 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 328 | BB | 7 | 19.00 | 0.274 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 40.5 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 329 | BB | 7 | 18.75 | 0.276 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 40.2 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 330 | BB | 7 | 18.50 | 0.277 | 32.0 | 0.0 | 5.9 | 1.5 | 0.0 | 0.7 | 0.0 | 40.0 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| WASTELOAD # 331 (PS Black Bayou#3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | BB | 7 | 18.25 | 0.279 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 39.8 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.76 |
| 332 | BB | 7 | 18.00 | 0.280 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 39.6 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 333 | BB | 7 | 17.75 | 0.282 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 39.4 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 334 | BB | 7 | 17.50 | 0.283 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 39.2 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 335 | BB | 7 | 17.25 | 0.285 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 39.0 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 336 | BB | 7 | 17.00 | 0.286 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 38.7 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 337 | BB | 7 | 16.75 | 0.287 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 38.5 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 338 | BB | 7 | 16.50 | 0.289 | 32.0 | 0.0 | 5.8 | 1.5 | 0.0 | 0.7 | 0.0 | 38.3 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| WASTELOAD # 339 (LAG541317) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 339 | BB | 7 | 16.25 | 0.291 | 32.0 | 0.0 | 5.8 | 1.6 | 0.0 | 0.7 | 0.0 | 38.1 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 340 | BB | 7 | 16.00 | 0.292 | 32.0 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 37.9 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.751 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 341 | BB | 7 | 15.75 | 0.294 | 32.0 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 37.7 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 342 | BB | 7 | 15.50 | 0.295 | 32.0 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 37.4 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 343 | BB | 7 | 15.25 | 0.296 | 32.0 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 37.2 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 344 | BB | 7 | 15.00 | 0.298 | 32.0 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 37.0 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 345 | BB | 7 | 14.75 | 0.299 | 31.9 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 36.8 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 346 | BB | 7 | 14.50 | 0.301 | 31.9 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 36.6 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 347 | BB | 7 | 14.25 | 0.302 | 31.9 | 0.0 | 5.7 | 1.5 | 0.0 | 0.7 | 0.0 | 36.3 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 348 | BB | 7 | 14.00 | 0.304 | 31.9 | 0.0 | 5.6 | 1.5 | 0.0 | 0.7 | 0.0 | 36.1 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 349 | BB | 7 | 13.75 | 0.305 | 31.9 | 0.0 | 5.6 | 1.5 | 0.0 | 0.7 | 0.0 | 35.9 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 350 | BB | 7 | 13.50 | 0.307 | 31.9 | 0.0 | 5.6 | 1.5 | 0.0 | 0.7 | 0.0 | 35.7 | 0.0 | 1.16 | 31.2 | 0.008 | 0.008 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 351 | BB | 7 | 13.25 | 0.308 | 31.9 | 0.0 | 5.6 | 1.5 | 0.0 | 0.7 | 0.0 | 35.5 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| WASTELOAD # 352 (LA0111236) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 352 | BB | 7 | 13.00 | 0.315 | 31.9 | 0.0 | 5.4 | 1.9 | 0.0 | 0.7 | 0.4 | 35.3 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 353 | BB | 7 | 12.75 | 0.316 | 31.9 | 0.0 | 5.3 | 1.9 | 0.0 | 0.7 | 0.3 | 35.0 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.76 |
| 354 | BB | 7 | 12.50 | 0.318 | 31.9 | 0.0 | 5.2 | 1.8 | 0.0 | 0.7 | 0.3 | 34.8 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 355 | BB | 7 | 12.25 | 0.319 | 31.9 | 0.0 | 5.1 | 1.8 | 0.0 | 0.7 | 0.3 | 34.6 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 356 | BB | 7 | 12.00 | 0.321 | 31.9 | 0.0 | 5.1 | 1.8 | 0.0 | 0.7 | 0.2 | 34.4 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 357 | BB | 7 | 11.75 | 0.322 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.2 | 34.2 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 358 | BB | 7 | 11.50 | 0.324 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.2 | 34.0 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 359 | BB | 7 | 11.25 | 0.325 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.2 | 33.8 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 360 | BB | 7 | 11.00 | 0.327 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.2 | 33.5 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 361 | BB | 7 | 10.75 | 0.328 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.1 | 33.3 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 362 | BB | 7 | 10.50 | 0.329 | 31.9 | 0.0 | 5.1 | 1.7 | 0.0 | 0.7 | 0.1 | 33.1 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 363 | BB | 7 | 10.25 | 0.331 | 31.9 | 0.0 | 5.1 | 1.6 | 0.0 | 0.7 | 0.1 | 32.9 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |
| 364 | BB | 7 | 10.00 | 0.332 | 31.9 | 0.0 | 5.1 | 1.6 | 0.0 | 0.7 | 0.1 | 32.7 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 |

EXPANDED CAPSULE SUMMARY FOR Bayou Black

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N µg/L | NH3 mg/L | ADVEC m²/s | MEAN m | DO m | REAER m/s | CHLA m/s | DISP m/s | BOD1 mg/L | BOD1 1/da | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 365 | BB 7 | 9.75 | 0.334 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.7 | 0.1 | 32.5 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| 366 | BB 7 | 9.50 | 0.335 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 32.2 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| 367 | BB 7 | 9.25 | 0.337 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 32.0 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| 368 | BB 7 | 9.00 | 0.338 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 31.8 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| WASTELOAD # 369 (PS Hanson Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 369 | BB 7 | 8.75 | 0.341 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.7 | 0.1 | 31.6 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| 370 | BB 7 | 8.50 | 0.342 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 31.4 | 0.0 | 1.16 | 31.2 | 0.009 | 0.009 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| 371 | BB 7 | 8.25 | 0.344 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 31.1 | 0.0 | 1.16 | 31.2 | 0.010 | 0.010 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| WASTELOAD # 372 (LA0074331) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 372 | BB 7 | 8.00 | 0.345 | 31.9 | 0.0 | 5.2 | 1.6 | 0.0 | 0.6 | 0.1 | 30.9 | 0.0 | 1.16 | 31.2 | 0.010 | 0.010 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | |
| WASTELOAD # 373 (Minors Canal) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 373 | BB 7 | 7.75 | 0.873 | 31.9 | 0.0 | 8.0 | 2.4 | 0.0 | 1.1 | 0.1 | 30.7 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.45 | 2.75 | | | | | |
| 374 | BB 7 | 7.50 | 0.875 | 31.9 | 0.0 | 7.8 | 2.4 | 0.0 | 1.1 | 0.1 | 30.5 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.45 | 2.75 | | | | | |
| 375 | BB 7 | 7.25 | 0.876 | 31.9 | 0.0 | 7.5 | 2.3 | 0.0 | 1.1 | 0.1 | 30.3 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 | | | | | |
| 376 | BB 7 | 7.00 | 0.878 | 31.9 | 0.0 | 7.3 | 2.3 | 0.0 | 1.1 | 0.1 | 30.1 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 | | | | | |
| 377 | BB 7 | 6.75 | 0.879 | 31.9 | 0.0 | 7.1 | 2.3 | 0.0 | 1.1 | 0.1 | 29.9 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 | | | | | |
| 378 | BB 7 | 6.50 | 0.881 | 31.9 | 0.0 | 6.9 | 2.3 | 0.0 | 1.1 | 0.1 | 29.6 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.44 | 2.75 | | | | | |
| 379 | BB 7 | 6.25 | 0.882 | 31.9 | 0.0 | 6.7 | 2.2 | 0.0 | 1.1 | 0.1 | 29.4 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 380 | BB 7 | 6.00 | 0.883 | 31.9 | 0.0 | 6.6 | 2.2 | 0.0 | 1.1 | 0.1 | 29.2 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 381 | BB 7 | 5.75 | 0.885 | 31.9 | 0.0 | 6.4 | 2.2 | 0.0 | 1.1 | 0.1 | 29.0 | 0.0 | 1.16 | 31.2 | 0.024 | 0.024 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 382 | BB 7 | 5.50 | 0.886 | 31.9 | 0.0 | 6.3 | 2.2 | 0.0 | 1.1 | 0.1 | 28.8 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 383 | BB 7 | 5.25 | 0.888 | 31.9 | 0.0 | 6.2 | 2.1 | 0.0 | 1.1 | 0.1 | 28.5 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 384 | BB 7 | 5.00 | 0.889 | 31.9 | 0.0 | 6.1 | 2.1 | 0.0 | 1.1 | 0.1 | 28.3 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.43 | 2.75 | | | | | |
| 385 | BB 7 | 4.75 | 0.891 | 31.9 | 0.0 | 6.0 | 2.1 | 0.0 | 1.1 | 0.1 | 28.1 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 386 | BB 7 | 4.50 | 0.892 | 31.9 | 0.0 | 5.9 | 2.1 | 0.0 | 1.1 | 0.1 | 27.9 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 387 | BB 7 | 4.25 | 0.893 | 31.9 | 0.0 | 5.8 | 2.1 | 0.0 | 1.1 | 0.1 | 27.7 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 388 | BB 7 | 4.00 | 0.895 | 31.9 | 0.0 | 5.7 | 2.0 | 0.0 | 1.1 | 0.1 | 27.5 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 389 | BB 7 | 3.75 | 0.896 | 31.9 | 0.0 | 5.6 | 2.0 | 0.0 | 1.1 | 0.1 | 27.2 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 390 | BB 7 | 3.50 | 0.898 | 31.9 | 0.0 | 5.6 | 2.0 | 0.0 | 1.1 | 0.1 | 27.0 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 391 | BB 7 | 3.25 | 0.899 | 31.9 | 0.0 | 5.5 | 2.0 | 0.0 | 1.1 | 0.1 | 26.8 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 392 | BB 7 | 3.00 | 0.901 | 31.9 | 0.0 | 5.4 | 2.0 | 0.0 | 1.1 | 0.1 | 26.6 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 393 | BB 7 | 2.75 | 0.902 | 31.9 | 0.0 | 5.4 | 1.9 | 0.0 | 1.1 | 0.1 | 26.4 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.42 | 2.75 | | | | | |
| 394 | BB 7 | 2.50 | 0.903 | 31.9 | 0.0 | 5.3 | 1.9 | 0.0 | 1.1 | 0.1 | 26.2 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 395 | BB 7 | 2.25 | 0.905 | 31.9 | 0.0 | 5.3 | 1.9 | 0.0 | 1.0 | 0.1 | 25.9 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 396 | BB 7 | 2.00 | 0.906 | 31.9 | 0.0 | 5.3 | 1.9 | 0.0 | 1.0 | 0.1 | 25.7 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 397 | BB 7 | 1.75 | 0.908 | 31.9 | 0.0 | 5.2 | 1.9 | 0.0 | 1.0 | 0.1 | 25.5 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 398 | BB 7 | 1.50 | 0.909 | 31.9 | 0.0 | 5.2 | 1.9 | 0.0 | 1.0 | 0.1 | 25.3 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 399 | BB 7 | 1.25 | 0.911 | 31.9 | 0.0 | 5.1 | 1.9 | 0.0 | 1.0 | 0.1 | 25.1 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| 400 | BB 7 | 1.00 | 0.912 | 31.9 | 0.0 | 5.1 | 1.9 | 0.0 | 1.0 | 0.1 | 24.9 | 0.0 | 1.16 | 31.2 | 0.025 | 0.025 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| WASTELOAD # 401 (Little Bayou Black) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 401 | BB 7 | 0.75 | 2.216 | 31.9 | 0.0 | 5.0 | 3.1 | 0.0 | 1.4 | 0.1 | 24.6 | 0.0 | 1.16 | 31.2 | 0.061 | 0.061 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |
| WASTELOAD # 402 (PS Lil Bayou Black) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 402 | BB 7 | 0.50 | 2.218 | 31.9 | 0.0 | 5.0 | 3.1 | 0.0 | 1.4 | 0.1 | 24.4 | 0.0 | 1.16 | 31.2 | 0.061 | 0.061 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 403 | BB | 7 | 0.25 | 2.219 | 31.9 | 0.0 | 5.0 | 3.1 | 0.0 | 1.4 | 0.1 | 24.2 | 0.0 | 1.16 | 31.2 | 0.061 | 0.061 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |
| 404 | BB | 7 | 0.00 | 2.221 | 31.9 | 0.0 | 4.9 | 3.0 | 0.0 | 1.4 | 0.1 | 24.0 | 0.0 | 1.16 | 31.2 | 0.061 | 0.061 | 7.3 | 0.750 | 0.29 | 0.00 | 0.00 | 0.00 | 0.41 | 2.75 |

SPECIAL REPORT: ICWW
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 #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 93.750 | 31.22 | 0.0 | 0.0 | 0.0 | 7.30 | 2.01 | 0.00 | 2.01 | 0.00 | 1.19 | 0.11 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 2 | 93.500 | 31.24 | 0.0 | 0.0 | 0.0 | 7.99 | 1.72 | 0.00 | 1.72 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 3 | 93.250 | 31.26 | 0.0 | 0.0 | 0.0 | 8.34 | 1.67 | 0.00 | 1.67 | 0.00 | 1.08 | 0.10 | 0.00 | 1.17 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 4 | 93.000 | 31.28 | 0.0 | 0.0 | 0.0 | 8.51 | 1.66 | 0.00 | 1.66 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 5 | 92.750 | 31.31 | 0.0 | 0.0 | 0.0 | 8.59 | 1.66 | 0.00 | 1.66 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 6 | 92.500 | 31.33 | 0.0 | 0.0 | 0.0 | 8.63 | 1.66 | 0.00 | 1.66 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 7 | 92.250 | 31.35 | 0.0 | 0.0 | 0.0 | 8.66 | 1.65 | 0.00 | 1.65 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 8 | 92.000 | 31.37 | 0.0 | 0.0 | 0.0 | 8.68 | 1.65 | 0.00 | 1.65 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 9 | 91.750 | 31.39 | 0.0 | 0.0 | 0.0 | 8.69 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 10 | 91.500 | 31.41 | 0.0 | 0.0 | 0.0 | 8.70 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 11 | 91.250 | 31.43 | 0.0 | 0.0 | 0.0 | 8.70 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 12 | 91.000 | 31.45 | 0.0 | 0.0 | 0.0 | 8.71 | 1.65 | 0.00 | 1.65 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 13 | 90.750 | 31.47 | 0.0 | 0.0 | 0.0 | 8.71 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 14 | 90.500 | 31.49 | 0.0 | 0.0 | 0.0 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 15 | 90.250 | 31.52 | 0.0 | 0.0 | 0.0 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 16 | 90.000 | 31.54 | 0.0 | 0.0 | 0.0 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 17 | 89.750 | 31.56 | 0.0 | 0.0 | 0.0 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 18 | 89.500 | 31.58 | 0.0 | 0.0 | 0.0 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 19 | 89.250 | 31.60 | 0.0 | 0.0 | 0.0 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 20 | 89.000 | 31.62 | 0.0 | 0.0 | 0.0 | 8.73 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 21 | 88.750 | 31.64 | 0.0 | 0.0 | 0.0 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 22 | 88.500 | 31.66 | 0.0 | 0.0 | 0.0 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 23 | 88.250 | 31.68 | 0.0 | 0.0 | 0.0 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 24 | 88.000 | 31.71 | 0.0 | 0.0 | 0.0 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 25 | 87.750 | 31.73 | 0.0 | 0.0 | 0.0 | 8.75 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 26 | 87.500 | 31.75 | 0.0 | 0.0 | 0.0 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 27 | 87.250 | 31.77 | 0.0 | 0.0 | 0.0 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 28 | 87.000 | 31.79 | 0.0 | 0.0 | 0.0 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 29 | 86.750 | 31.81 | 0.0 | 0.0 | 0.0 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 30 | 86.500 | 31.83 | 0.0 | 0.0 | 0.0 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 31 | 86.250 | 31.85 | 0.0 | 0.0 | 0.0 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 32 | 86.000 | 31.87 | 0.0 | 0.0 | 0.0 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 33 | 85.750 | 31.89 | 0.0 | 0.0 | 0.0 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 34 | 85.500 | 31.92 | 0.0 | 0.0 | 0.0 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 35 | 85.250 | 31.94 | 0.0 | 0.0 | 0.0 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 36 | 85.000 | 31.96 | 0.0 | 0.0 | 0.0 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 37 | 84.750 | 31.98 | 0.0 | 0.0 | 0.0 | 8.78 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 38 | 84.500 | 32.00 | 0.0 | 0.0 | 0.0 | 8.78 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 39 | 84.250 | 32.00 | 0.0 | 0.0 | 0.0 | 5.08 | 3.38 | 0.00 | 3.38 | 0.00 | 1.58 | 0.10 | 0.00 | 1.68 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 40 | 84.000 | 32.00 | 0.0 | 0.0 | 0.0 | 5.06 | 3.31 | 0.00 | 3.31 | 0.00 | 1.57 | 0.10 | 0.00 | 1.68 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 83.750 | 32.01 | 0.0 | 0.0 | 0.0 | 5.05 | 3.24 | 0.00 | 3.24 | 0.00 | 1.57 | 0.11 | 0.00 | 1.68 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 42 | 83.500 | 32.01 | 0.0 | 0.0 | 0.0 | 5.04 | 3.17 | 0.00 | 3.17 | 0.00 | 1.57 | 0.11 | 0.00 | 1.67 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 43 | 83.250 | 32.01 | 0.0 | 0.0 | 0.0 | 5.04 | 3.11 | 0.00 | 3.11 | 0.00 | 1.56 | 0.11 | 0.00 | 1.67 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 44 | 83.000 | 32.01 | 0.0 | 0.0 | 0.0 | 5.03 | 3.05 | 0.00 | 3.05 | 0.00 | 1.56 | 0.11 | 0.00 | 1.67 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 45 | 82.750 | 32.01 | 0.0 | 0.0 | 0.0 | 5.03 | 3.00 | 0.00 | 3.00 | 0.00 | 1.55 | 0.11 | 0.00 | 1.66 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 46 | 82.500 | 32.02 | 0.0 | 0.0 | 0.0 | 5.03 | 2.94 | 0.00 | 2.94 | 0.00 | 1.55 | 0.11 | 0.00 | 1.66 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 47 | 82.250 | 32.02 | 0.0 | 0.0 | 0.0 | 5.03 | 2.89 | 0.00 | 2.89 | 0.00 | 1.54 | 0.11 | 0.00 | 1.66 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 48 | 82.000 | 32.02 | 0.0 | 0.0 | 0.0 | 5.03 | 2.84 | 0.00 | 2.84 | 0.00 | 1.54 | 0.12 | 0.00 | 1.65 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 49 | 81.750 | 32.02 | 0.0 | 0.0 | 0.0 | 5.04 | 2.79 | 0.00 | 2.79 | 0.00 | 1.53 | 0.12 | 0.00 | 1.65 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 50 | 81.500 | 32.02 | 0.0 | 0.0 | 0.0 | 5.05 | 2.74 | 0.00 | 2.74 | 0.00 | 1.53 | 0.12 | 0.00 | 1.65 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 51 | 81.250 | 32.03 | 0.0 | 0.0 | 0.0 | 5.05 | 2.70 | 0.00 | 2.70 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 52 | 81.000 | 32.03 | 0.0 | 0.0 | 0.0 | 5.06 | 2.66 | 0.00 | 2.66 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 53 | 80.750 | 32.03 | 0.0 | 0.0 | 0.0 | 5.08 | 2.62 | 0.00 | 2.62 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 54 | 80.500 | 32.03 | 0.0 | 0.0 | 0.0 | 5.09 | 2.58 | 0.00 | 2.58 | 0.00 | 1.51 | 0.12 | 0.00 | 1.63 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 55 | 80.250 | 32.03 | 0.0 | 0.0 | 0.0 | 5.10 | 2.54 | 0.00 | 2.54 | 0.00 | 1.51 | 0.12 | 0.00 | 1.63 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 56 | 80.000 | 32.03 | 0.0 | 0.0 | 0.0 | 5.12 | 2.50 | 0.00 | 2.50 | 0.00 | 1.50 | 0.12 | 0.00 | 1.63 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 57 | 79.750 | 32.04 | 0.0 | 0.0 | 0.0 | 5.13 | 2.47 | 0.00 | 2.47 | 0.00 | 1.50 | 0.12 | 0.00 | 1.62 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 58 | 79.500 | 32.04 | 0.0 | 0.0 | 0.0 | 5.21 | 2.36 | 0.00 | 2.36 | 0.00 | 1.48 | 0.13 | 0.00 | 1.61 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 59 | 79.250 | 32.04 | 0.0 | 0.0 | 0.0 | 5.30 | 2.26 | 0.00 | 2.26 | 0.00 | 1.47 | 0.13 | 0.00 | 1.59 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 60 | 79.000 | 32.04 | 0.0 | 0.0 | 0.0 | 5.39 | 2.18 | 0.00 | 2.18 | 0.00 | 1.45 | 0.13 | 0.00 | 1.58 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 61 | 78.750 | 32.04 | 0.0 | 0.0 | 0.0 | 5.49 | 2.11 | 0.00 | 2.11 | 0.00 | 1.43 | 0.13 | 0.00 | 1.56 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 62 | 78.500 | 32.05 | 0.0 | 0.0 | 0.0 | 5.60 | 2.04 | 0.00 | 2.04 | 0.00 | 1.42 | 0.13 | 0.00 | 1.55 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 63 | 78.250 | 32.05 | 0.0 | 0.0 | 0.0 | 5.71 | 1.99 | 0.00 | 1.99 | 0.00 | 1.40 | 0.13 | 0.00 | 1.53 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 64 | 78.000 | 32.05 | 0.0 | 0.0 | 0.0 | 5.82 | 1.95 | 0.00 | 1.95 | 0.00 | 1.39 | 0.13 | 0.00 | 1.52 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 65 | 77.750 | 32.05 | 0.0 | 0.0 | 0.0 | 5.93 | 1.91 | 0.00 | 1.91 | 0.00 | 1.38 | 0.13 | 0.00 | 1.50 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 66 | 77.500 | 32.05 | 0.0 | 0.0 | 0.0 | 6.05 | 1.87 | 0.00 | 1.87 | 0.00 | 1.36 | 0.13 | 0.00 | 1.49 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 67 | 77.250 | 32.06 | 0.0 | 0.0 | 0.0 | 6.16 | 1.84 | 0.00 | 1.84 | 0.00 | 1.35 | 0.13 | 0.00 | 1.47 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 68 | 77.000 | 32.06 | 0.0 | 0.0 | 0.0 | 6.27 | 1.82 | 0.00 | 1.82 | 0.00 | 1.33 | 0.13 | 0.00 | 1.46 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 69 | 76.750 | 32.06 | 0.0 | 0.0 | 0.0 | 6.39 | 1.80 | 0.00 | 1.80 | 0.00 | 1.32 | 0.12 | 0.00 | 1.45 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 70 | 76.500 | 32.06 | 0.0 | 0.0 | 0.0 | 6.50 | 1.78 | 0.00 | 1.78 | 0.00 | 1.31 | 0.12 | 0.00 | 1.43 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 71 | 76.250 | 32.06 | 0.0 | 0.0 | 0.0 | 6.61 | 1.76 | 0.00 | 1.76 | 0.00 | 1.29 | 0.12 | 0.00 | 1.42 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 72 | 76.000 | 32.07 | 0.0 | 0.0 | 0.0 | 6.72 | 1.75 | 0.00 | 1.75 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 73 | 75.750 | 32.07 | 0.0 | 0.0 | 0.0 | 6.82 | 1.74 | 0.00 | 1.74 | 0.00 | 1.27 | 0.12 | 0.00 | 1.39 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 74 | 75.500 | 32.07 | 0.0 | 0.0 | 0.0 | 6.93 | 1.73 | 0.00 | 1.73 | 0.00 | 1.26 | 0.12 | 0.00 | 1.38 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 75 | 75.250 | 32.07 | 0.0 | 0.0 | 0.0 | 7.03 | 1.72 | 0.00 | 1.72 | 0.00 | 1.25 | 0.12 | 0.00 | 1.36 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 76 | 75.000 | 32.07 | 0.0 | 0.0 | 0.0 | 7.13 | 1.71 | 0.00 | 1.71 | 0.00 | 1.23 | 0.12 | 0.00 | 1.35 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 77 | 74.750 | 32.08 | 0.0 | 0.0 | 0.0 | 7.23 | 1.71 | 0.00 | 1.71 | 0.00 | 1.22 | 0.11 | 0.00 | 1.34 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 78 | 74.500 | 32.08 | 0.0 | 0.0 | 0.0 | 7.32 | 1.70 | 0.00 | 1.70 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 79 | 74.250 | 32.08 | 0.0 | 0.0 | 0.0 | 7.41 | 1.69 | 0.00 | 1.69 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 80 | 74.000 | 32.08 | 0.0 | 0.0 | 0.0 | 7.50 | 1.69 | 0.00 | 1.69 | 0.00 | 1.19 | 0.11 | 0.00 | 1.30 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 81 | 73.750 | 32.08 | 0.0 | 0.0 | 0.0 | 7.59 | 1.69 | 0.00 | 1.69 | 0.00 | 1.18 | 0.11 | 0.00 | 1.29 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 82 | 73.500 | 32.08 | 0.0 | 0.0 | 0.0 | 7.68 | 1.68 | 0.00 | 1.68 | 0.00 | 1.17 | 0.11 | 0.00 | 1.28 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 83 | 73.250 | 32.09 | 0.0 | 0.0 | 0.0 | 7.76 | 1.68 | 0.00 | 1.68 | 0.00 | 1.16 | 0.11 | 0.00 | 1.26 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 84 | 73.000 | 32.09 | 0.0 | 0.0 | 0.0 | 7.84 | 1.68 | 0.00 | 1.68 | 0.00 | 1.15 | 0.11 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 85 | 72.750 | 32.09 | 0.0 | 0.0 | 0.0 | 7.92 | 1.68 | 0.00 | 1.68 | 0.00 | 1.14 | 0.11 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 86 | 72.500 | 32.09 | 0.0 | 0.0 | 0.0 | 8.00 | 1.67 | 0.00 | 1.67 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 87 | 72.250 | 32.09 | 0.0 | 0.0 | 0.0 | 8.08 | 1.67 | 0.00 | 1.67 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 88 | 72.000 | 32.10 | 0.0 | 0.0 | 0.0 | 8.15 | 1.67 | 0.00 | 1.67 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 89 | 71.750 | 32.10 | 0.0 | 0.0 | 0.0 | 8.03 | 1.91 | 0.00 | 1.91 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 90 | 71.500 | 32.10 | 0.0 | 0.0 | 0.0 | 8.07 | 1.88 | 0.00 | 1.88 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 71.250 | 32.11 | 0.0 | 0.0 | 0.0 | 7.98 | 1.84 | 0.00 | 1.84 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 92 | 71.000 | 32.11 | 0.0 | 0.0 | 0.0 | 7.91 | 1.81 | 0.00 | 1.81 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 93 | 70.750 | 32.12 | 0.0 | 0.0 | 0.0 | 7.86 | 1.79 | 0.00 | 1.79 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 94 | 70.500 | 32.12 | 0.0 | 0.0 | 0.0 | 7.81 | 1.77 | 0.00 | 1.77 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 95 | 70.250 | 32.13 | 0.0 | 0.0 | 0.0 | 7.77 | 1.75 | 0.00 | 1.75 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 96 | 70.000 | 32.13 | 0.0 | 0.0 | 0.0 | 7.73 | 1.74 | 0.00 | 1.74 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 97 | 69.750 | 32.14 | 0.0 | 0.0 | 0.0 | 7.70 | 1.73 | 0.00 | 1.73 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 98 | 69.500 | 32.14 | 0.0 | 0.0 | 0.0 | 7.68 | 1.72 | 0.00 | 1.72 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 99 | 69.250 | 32.15 | 0.0 | 0.0 | 0.0 | 7.66 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 100 | 69.000 | 32.15 | 0.0 | 0.0 | 0.0 | 7.64 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 101 | 68.750 | 32.16 | 0.0 | 0.0 | 0.0 | 7.62 | 1.71 | 0.00 | 1.71 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 102 | 68.500 | 32.16 | 0.0 | 0.0 | 0.0 | 7.61 | 1.70 | 0.00 | 1.70 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 103 | 68.250 | 32.17 | 0.0 | 0.0 | 0.0 | 7.60 | 1.70 | 0.00 | 1.70 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 104 | 68.000 | 32.17 | 0.0 | 0.0 | 0.0 | 7.59 | 1.70 | 0.00 | 1.70 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 105 | 67.750 | 32.18 | 0.0 | 0.0 | 0.0 | 7.59 | 1.70 | 0.00 | 1.70 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 106 | 67.500 | 32.18 | 0.0 | 0.0 | 0.0 | 7.58 | 1.70 | 0.00 | 1.70 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 107 | 67.250 | 32.19 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 108 | 67.000 | 32.19 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 109 | 66.750 | 32.20 | 0.0 | 0.0 | 0.0 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 110 | 66.500 | 32.21 | 0.0 | 0.0 | 0.0 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 111 | 66.250 | 32.21 | 0.0 | 0.0 | 0.0 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 112 | 66.000 | 32.22 | 0.0 | 0.0 | 0.0 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.95 | 0.08 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 113 | 65.750 | 32.22 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.94 | 0.08 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 114 | 65.500 | 32.23 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 115 | 65.250 | 32.23 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 116 | 65.000 | 32.24 | 0.0 | 0.0 | 0.0 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 117 | 64.750 | 32.24 | 0.0 | 0.0 | 0.0 | 6.87 | 3.68 | 0.00 | 3.68 | 0.00 | 1.16 | 0.09 | 0.00 | 1.25 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 118 | 64.500 | 32.25 | 0.0 | 0.0 | 0.0 | 6.67 | 3.46 | 0.00 | 3.46 | 0.00 | 1.15 | 0.09 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 119 | 64.250 | 32.25 | 0.0 | 0.0 | 0.0 | 6.51 | 3.26 | 0.00 | 3.26 | 0.00 | 1.15 | 0.09 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 120 | 64.000 | 32.26 | 0.0 | 0.0 | 0.0 | 6.37 | 3.08 | 0.00 | 3.08 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 121 | 63.750 | 32.26 | 0.0 | 0.0 | 0.0 | 6.25 | 2.93 | 0.00 | 2.93 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 122 | 63.500 | 32.27 | 0.0 | 0.0 | 0.0 | 6.16 | 2.79 | 0.00 | 2.79 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 123 | 63.250 | 32.27 | 0.0 | 0.0 | 0.0 | 6.08 | 2.67 | 0.00 | 2.67 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 124 | 63.000 | 32.28 | 0.0 | 0.0 | 0.0 | 6.02 | 2.56 | 0.00 | 2.56 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 125 | 62.750 | 32.28 | 0.0 | 0.0 | 0.0 | 5.97 | 2.46 | 0.00 | 2.46 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 126 | 62.500 | 32.29 | 0.0 | 0.0 | 0.0 | 5.93 | 2.37 | 0.00 | 2.37 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 127 | 62.250 | 32.29 | 0.0 | 0.0 | 0.0 | 5.91 | 2.30 | 0.00 | 2.30 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 128 | 62.000 | 32.30 | 0.0 | 0.0 | 0.0 | 5.89 | 2.23 | 0.00 | 2.23 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 129 | 61.750 | 32.30 | 0.0 | 0.0 | 0.0 | 5.87 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 130 | 61.500 | 32.29 | 0.0 | 0.0 | 0.0 | 5.86 | 2.16 | 0.00 | 2.16 | 0.00 | 1.10 | 0.10 | 0.00 | 1.19 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 131 | 61.250 | 32.29 | 0.0 | 0.0 | 0.0 | 5.85 | 2.13 | 0.00 | 2.13 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 132 | 61.000 | 32.28 | 0.0 | 0.0 | 0.0 | 5.84 | 2.11 | 0.00 | 2.11 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 133 | 60.750 | 32.28 | 0.0 | 0.0 | 0.0 | 5.83 | 2.08 | 0.00 | 2.08 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 134 | 60.500 | 32.27 | 0.0 | 0.0 | 0.0 | 5.83 | 2.06 | 0.00 | 2.06 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 135 | 60.250 | 32.27 | 0.0 | 0.0 | 0.0 | 5.83 | 2.03 | 0.00 | 2.03 | 0.00 | 1.09 | 0.10 | 0.00 | 1.18 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 136 | 60.000 | 32.27 | 0.0 | 0.0 | 0.0 | 5.83 | 2.01 | 0.00 | 2.01 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 137 | 59.750 | 32.26 | 0.0 | 0.0 | 0.0 | 5.83 | 1.99 | 0.00 | 1.99 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 138 | 59.500 | 32.26 | 0.0 | 0.0 | 0.0 | 5.83 | 1.97 | 0.00 | 1.97 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 139 | 59.250 | 32.25 | 0.0 | 0.0 | 0.0 | 5.83 | 1.95 | 0.00 | 1.95 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 140 | 59.000 | 32.25 | 0.0 | 0.0 | 0.0 | 5.84 | 1.93 | 0.00 | 1.93 | 0.00 | 1.08 | 0.10 | 0.00 | 1.17 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | 58.750 | 32.25 | 0.0 | 0.0 | 0.0 | 5.84 | 1.92 | 0.00 | 1.92 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 142 | 58.500 | 32.24 | 0.0 | 0.0 | 0.0 | 5.85 | 1.90 | 0.00 | 1.90 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 143 | 58.250 | 32.24 | 0.0 | 0.0 | 0.0 | 5.86 | 1.89 | 0.00 | 1.89 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 144 | 58.000 | 32.23 | 0.0 | 0.0 | 0.0 | 5.87 | 1.87 | 0.00 | 1.87 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 145 | 57.750 | 32.23 | 0.0 | 0.0 | 0.0 | 5.88 | 1.86 | 0.00 | 1.86 | 0.00 | 1.07 | 0.10 | 0.00 | 1.16 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 146 | 57.500 | 32.22 | 0.0 | 0.0 | 0.0 | 5.89 | 1.85 | 0.00 | 1.85 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 147 | 57.250 | 32.22 | 0.0 | 0.0 | 0.0 | 5.90 | 1.83 | 0.00 | 1.83 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 148 | 57.000 | 32.22 | 0.0 | 0.0 | 0.0 | 5.92 | 1.82 | 0.00 | 1.82 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 149 | 56.750 | 32.21 | 0.0 | 0.0 | 0.0 | 5.93 | 1.81 | 0.00 | 1.81 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 150 | 56.500 | 32.21 | 0.0 | 0.0 | 0.0 | 5.95 | 1.80 | 0.00 | 1.80 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 151 | 56.250 | 32.20 | 0.0 | 0.0 | 0.0 | 5.96 | 1.79 | 0.00 | 1.79 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 152 | 56.000 | 32.20 | 0.0 | 0.0 | 0.0 | 5.98 | 1.79 | 0.00 | 1.79 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 153 | 55.750 | 32.20 | 0.0 | 0.0 | 0.0 | 5.99 | 1.78 | 0.00 | 1.78 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 154 | 55.500 | 32.19 | 0.0 | 0.0 | 0.0 | 6.01 | 1.77 | 0.00 | 1.77 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 155 | 55.250 | 32.19 | 0.0 | 0.0 | 0.0 | 6.03 | 1.76 | 0.00 | 1.76 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 156 | 55.000 | 32.18 | 0.0 | 0.0 | 0.0 | 6.05 | 1.75 | 0.00 | 1.75 | 0.00 | 1.05 | 0.10 | 0.00 | 1.14 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 157 | 54.750 | 32.18 | 0.0 | 0.0 | 0.0 | 6.07 | 1.75 | 0.00 | 1.75 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 158 | 54.500 | 32.17 | 0.0 | 0.0 | 0.0 | 6.09 | 1.74 | 0.00 | 1.74 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 159 | 54.250 | 32.17 | 0.0 | 0.0 | 0.0 | 6.11 | 1.74 | 0.00 | 1.74 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.3 | 0.0 | 0. | 0.00 |
| 160 | 54.000 | 32.17 | 0.0 | 0.0 | 0.0 | 6.13 | 1.73 | 0.00 | 1.73 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.3 | 0.0 | 0. | 0.00 |
| 161 | 53.750 | 32.16 | 0.0 | 0.0 | 0.0 | 6.15 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.10 | 0.00 | 1.13 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 162 | 53.500 | 32.16 | 0.0 | 0.0 | 0.0 | 6.17 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.10 | 0.00 | 1.13 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 163 | 53.250 | 32.15 | 0.0 | 0.0 | 0.0 | 6.19 | 1.72 | 0.00 | 1.72 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 164 | 53.000 | 32.15 | 0.0 | 0.0 | 0.0 | 6.21 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 165 | 52.750 | 32.15 | 0.0 | 0.0 | 0.0 | 6.24 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 166 | 52.500 | 32.14 | 0.0 | 0.0 | 0.0 | 6.26 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 167 | 52.250 | 32.14 | 0.0 | 0.0 | 0.0 | 6.28 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 168 | 52.000 | 32.13 | 0.0 | 0.0 | 0.0 | 6.30 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 169 | 51.750 | 32.13 | 0.0 | 0.0 | 0.0 | 6.33 | 1.69 | 0.00 | 1.69 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 170 | 51.500 | 32.12 | 0.0 | 0.0 | 0.0 | 6.35 | 1.69 | 0.00 | 1.69 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 171 | 51.250 | 32.12 | 0.0 | 0.0 | 0.0 | 6.37 | 1.69 | 0.00 | 1.69 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 172 | 51.000 | 32.12 | 0.0 | 0.0 | 0.0 | 6.40 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 173 | 50.750 | 32.11 | 0.0 | 0.0 | 0.0 | 6.42 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 174 | 50.500 | 32.11 | 0.0 | 0.0 | 0.0 | 6.45 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 175 | 50.250 | 32.10 | 0.0 | 0.0 | 0.0 | 6.47 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 176 | 50.000 | 32.10 | 0.0 | 0.0 | 0.0 | 6.49 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 177 | 49.750 | 32.10 | 0.0 | 0.0 | 0.0 | 6.52 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 178 | 49.500 | 32.09 | 0.0 | 0.0 | 0.0 | 6.54 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.1 | 0.0 | 0. | 0.00 |
| 179 | 49.250 | 32.09 | 0.0 | 0.0 | 0.0 | 6.57 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.1 | 0.0 | 0. | 0.00 |
| 180 | 49.000 | 32.08 | 0.0 | 0.0 | 0.0 | 6.59 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.2 | 0.0 | 0. | 0.00 |
| 181 | 48.750 | 32.08 | 0.0 | 0.0 | 0.0 | 7.05 | 2.32 | 0.00 | 2.32 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.2 | 0.0 | 0. | 0.00 |
| 182 | 48.500 | 32.08 | 0.0 | 0.0 | 0.0 | 7.03 | 2.28 | 0.00 | 2.28 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.2 | 0.0 | 0. | 0.00 |
| 183 | 48.250 | 32.07 | 0.0 | 0.0 | 0.0 | 7.02 | 2.25 | 0.00 | 2.25 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.3 | 0.0 | 0. | 0.00 |
| 184 | 48.000 | 32.07 | 0.0 | 0.0 | 0.0 | 7.01 | 2.22 | 0.00 | 2.22 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.3 | 0.0 | 0. | 0.00 |
| 185 | 47.750 | 32.06 | 0.0 | 0.0 | 0.0 | 7.00 | 2.20 | 0.00 | 2.20 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.4 | 0.0 | 0. | 0.00 |
| 186 | 47.500 | 32.06 | 0.0 | 0.0 | 0.0 | 7.00 | 2.17 | 0.00 | 2.17 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.4 | 0.0 | 0. | 0.00 |
| 187 | 47.250 | 32.05 | 0.0 | 0.0 | 0.0 | 6.99 | 2.15 | 0.00 | 2.15 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.5 | 0.0 | 0. | 0.00 |
| 188 | 47.000 | 32.05 | 0.0 | 0.0 | 0.0 | 6.99 | 2.12 | 0.00 | 2.12 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.5 | 0.0 | 0. | 0.00 |
| 189 | 46.750 | 32.05 | 0.0 | 0.0 | 0.0 | 6.99 | 2.10 | 0.00 | 2.10 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.5 | 0.0 | 0. | 0.00 |
| 190 | 46.500 | 32.04 | 0.0 | 0.0 | 0.0 | 6.99 | 2.08 | 0.00 | 2.08 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.6 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 191 | 46.250 | 32.04 | 0.0 | 0.0 | 0.0 | 6.99 | 2.06 | 0.00 | 2.06 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.6 | 0.0 | 0. | 0.00 |
| 192 | 46.000 | 32.03 | 0.0 | 0.0 | 0.0 | 6.99 | 2.04 | 0.00 | 2.04 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.7 | 0.0 | 0. | 0.00 |
| 193 | 45.750 | 32.03 | 0.0 | 0.0 | 0.0 | 7.00 | 2.02 | 0.00 | 2.02 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.7 | 0.0 | 0. | 0.00 |
| 194 | 45.500 | 32.02 | 0.0 | 0.0 | 0.0 | 7.00 | 2.00 | 0.00 | 2.00 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.8 | 0.0 | 0. | 0.00 |
| 195 | 45.250 | 32.02 | 0.0 | 0.0 | 0.0 | 7.01 | 1.99 | 0.00 | 1.99 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 22.8 | 0.0 | 0. | 0.00 |
| 196 | 45.000 | 32.02 | 0.0 | 0.0 | 0.0 | 7.02 | 1.97 | 0.00 | 1.97 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 22.8 | 0.0 | 0. | 0.00 |
| 197 | 44.750 | 32.01 | 0.0 | 0.0 | 0.0 | 7.02 | 1.95 | 0.00 | 1.95 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 22.9 | 0.0 | 0. | 0.00 |
| 198 | 44.500 | 32.01 | 0.0 | 0.0 | 0.0 | 7.03 | 1.94 | 0.00 | 1.94 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 22.9 | 0.0 | 0. | 0.00 |
| 199 | 44.250 | 32.00 | 0.0 | 0.0 | 0.0 | 7.04 | 1.93 | 0.00 | 1.93 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 23.0 | 0.0 | 0. | 0.00 |
| 200 | 44.000 | 32.00 | 0.0 | 0.0 | 0.0 | 7.05 | 1.91 | 0.00 | 1.91 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 23.0 | 0.0 | 0. | 0.00 |
| 201 | 43.750 | 32.00 | 0.0 | 0.0 | 0.0 | 7.07 | 1.90 | 0.00 | 1.90 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 23.0 | 0.0 | 0. | 0.00 |
| 202 | 43.500 | 31.99 | 0.0 | 0.0 | 0.0 | 7.08 | 1.89 | 0.00 | 1.89 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 23.1 | 0.0 | 0. | 0.00 |
| 203 | 43.250 | 31.99 | 0.0 | 0.0 | 0.0 | 7.09 | 1.88 | 0.00 | 1.88 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 23.1 | 0.0 | 0. | 0.00 |
| 204 | 43.000 | 31.98 | 0.0 | 0.0 | 0.0 | 7.11 | 1.87 | 0.00 | 1.87 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.2 | 0.0 | 0. | 0.00 |
| 205 | 42.750 | 31.98 | 0.0 | 0.0 | 0.0 | 7.12 | 1.86 | 0.00 | 1.86 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.2 | 0.0 | 0. | 0.00 |
| 206 | 42.500 | 31.98 | 0.0 | 0.0 | 0.0 | 7.14 | 1.85 | 0.00 | 1.85 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.2 | 0.0 | 0. | 0.00 |
| 207 | 42.250 | 31.97 | 0.0 | 0.0 | 0.0 | 7.15 | 1.84 | 0.00 | 1.84 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.3 | 0.0 | 0. | 0.00 |
| 208 | 42.000 | 31.97 | 0.0 | 0.0 | 0.0 | 7.17 | 1.83 | 0.00 | 1.83 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.3 | 0.0 | 0. | 0.00 |
| 209 | 41.750 | 31.96 | 0.0 | 0.0 | 0.0 | 7.19 | 1.82 | 0.00 | 1.82 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 210 | 41.500 | 31.96 | 0.0 | 0.0 | 0.0 | 7.20 | 1.81 | 0.00 | 1.81 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 211 | 41.250 | 31.95 | 0.0 | 0.0 | 0.0 | 7.22 | 1.80 | 0.00 | 1.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.5 | 0.0 | 0. | 0.00 |
| 212 | 41.000 | 31.95 | 0.0 | 0.0 | 0.0 | 7.24 | 1.80 | 0.00 | 1.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.5 | 0.0 | 0. | 0.00 |
| 213 | 40.750 | 31.95 | 0.0 | 0.0 | 0.0 | 7.26 | 1.79 | 0.00 | 1.79 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.5 | 0.0 | 0. | 0.00 |
| 214 | 40.500 | 31.94 | 0.0 | 0.0 | 0.0 | 7.28 | 1.78 | 0.00 | 1.78 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.6 | 0.0 | 0. | 0.00 |
| 215 | 40.250 | 31.94 | 0.0 | 0.0 | 0.0 | 7.30 | 1.78 | 0.00 | 1.78 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.6 | 0.0 | 0. | 0.00 |
| 216 | 40.000 | 31.93 | 0.0 | 0.0 | 0.0 | 7.32 | 1.77 | 0.00 | 1.77 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.7 | 0.0 | 0. | 0.00 |
| 217 | 39.750 | 31.93 | 0.0 | 0.0 | 0.0 | 7.34 | 1.77 | 0.00 | 1.77 | 0.00 | 1.00 | 0.09 | 0.00 | 1.10 | 0.00 | 23.7 | 0.0 | 0. | 0.00 |
| 218 | 39.500 | 31.92 | 0.0 | 0.0 | 0.0 | 7.36 | 1.76 | 0.00 | 1.76 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 219 | 39.250 | 31.92 | 0.0 | 0.0 | 0.0 | 7.38 | 1.76 | 0.00 | 1.76 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 220 | 39.000 | 31.92 | 0.0 | 0.0 | 0.0 | 7.40 | 1.75 | 0.00 | 1.75 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.8 | 0.0 | 0. | 0.00 |
| 221 | 38.750 | 31.91 | 0.0 | 0.0 | 0.0 | 7.42 | 1.75 | 0.00 | 1.75 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.9 | 0.0 | 0. | 0.00 |
| 222 | 38.500 | 31.91 | 0.0 | 0.0 | 0.0 | 7.48 | 1.73 | 0.00 | 1.73 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.9 | 0.0 | 0. | 0.00 |
| 223 | 38.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.55 | 1.72 | 0.00 | 1.72 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 224 | 38.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.61 | 1.72 | 0.00 | 1.72 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 405 | 37.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.30 | 1.96 | 0.00 | 1.96 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 406 | 37.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.39 | 2.00 | 0.00 | 2.00 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 407 | 37.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.47 | 2.04 | 0.00 | 2.04 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 408 | 37.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.55 | 2.08 | 0.00 | 2.08 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 409 | 36.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.61 | 2.11 | 0.00 | 2.11 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 410 | 36.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.68 | 2.14 | 0.00 | 2.14 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 411 | 36.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.74 | 2.17 | 0.00 | 2.17 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 412 | 36.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.79 | 2.19 | 0.00 | 2.19 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 413 | 35.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.56 | 2.77 | 0.00 | 2.77 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 414 | 35.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.56 | 2.74 | 0.00 | 2.74 | 0.00 | 1.07 | 0.10 | 0.00 | 1.16 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 415 | 35.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.57 | 2.72 | 0.00 | 2.72 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 416 | 35.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.58 | 2.69 | 0.00 | 2.69 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 417 | 34.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.59 | 2.67 | 0.00 | 2.67 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 418 | 34.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.61 | 2.65 | 0.00 | 2.65 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 419 | 34.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.62 | 2.63 | 0.00 | 2.63 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 420 | 34.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.64 | 2.61 | 0.00 | 2.61 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 421 | 33.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.66 | 2.59 | 0.00 | 2.59 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 422 | 33.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.68 | 2.58 | 0.00 | 2.58 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 423 | 33.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.70 | 2.57 | 0.00 | 2.57 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 424 | 33.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.72 | 2.55 | 0.00 | 2.55 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 425 | 32.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.74 | 2.54 | 0.00 | 2.54 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 426 | 32.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.76 | 2.53 | 0.00 | 2.53 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 427 | 32.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.78 | 2.52 | 0.00 | 2.52 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 428 | 32.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.80 | 2.52 | 0.00 | 2.52 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 429 | 31.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.83 | 2.51 | 0.00 | 2.51 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 430 | 31.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.85 | 2.50 | 0.00 | 2.50 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 431 | 31.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.87 | 2.50 | 0.00 | 2.50 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 432 | 31.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.89 | 2.49 | 0.00 | 2.49 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 433 | 30.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.92 | 2.48 | 0.00 | 2.48 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 434 | 30.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.94 | 2.48 | 0.00 | 2.48 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 435 | 30.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.96 | 2.48 | 0.00 | 2.48 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 436 | 30.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.98 | 2.47 | 0.00 | 2.47 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 437 | 29.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.00 | 2.47 | 0.00 | 2.47 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 438 | 29.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.03 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 439 | 29.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.05 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 440 | 29.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.07 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 441 | 28.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.09 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 442 | 28.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.11 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 443 | 28.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.13 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 444 | 28.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.15 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 445 | 27.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.17 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 446 | 27.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.19 | 2.45 | 0.00 | 2.45 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 447 | 27.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.21 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 448 | 27.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.23 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 449 | 26.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.25 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 450 | 26.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.27 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 451 | 26.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.29 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 452 | 26.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.31 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 453 | 25.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.32 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 454 | 25.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.34 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 455 | 25.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.36 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 456 | 25.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.38 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 457 | 24.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.39 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 458 | 24.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.41 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 459 | 24.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.42 | 2.43 | 0.00 | 2.43 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 460 | 24.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.44 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 461 | 23.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.46 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 462 | 23.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.47 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 463 | 23.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.49 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 464 | 23.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.50 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 465 | 22.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.52 | 2.43 | 0.00 | 2.43 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 466 | 22.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.53 | 2.43 | 0.00 | 2.43 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 467 | 22.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.54 | 2.44 | 0.00 | 2.44 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 468 | 22.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.55 | 2.44 | 0.00 | 2.44 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 469 | 21.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.78 | 3.80 | 0.00 | 3.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 470 | 21.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.71 | 3.71 | 0.00 | 3.71 | 0.00 | 1.01 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 471 | 21.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.65 | 3.62 | 0.00 | 3.62 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 472 | 21.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.60 | 3.54 | 0.00 | 3.54 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 473 | 20.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.55 | 3.46 | 0.00 | 3.46 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 474 | 20.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.52 | 3.39 | 0.00 | 3.39 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 475 | 20.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.48 | 3.32 | 0.00 | 3.32 | 0.00 | 1.00 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 476 | 20.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.45 | 3.26 | 0.00 | 3.26 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 477 | 19.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.43 | 3.20 | 0.00 | 3.20 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 478 | 19.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.41 | 3.15 | 0.00 | 3.15 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 479 | 19.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.40 | 3.10 | 0.00 | 3.10 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 480 | 19.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.38 | 3.06 | 0.00 | 3.06 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 481 | 18.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.38 | 3.01 | 0.00 | 3.01 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 482 | 18.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.37 | 2.97 | 0.00 | 2.97 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 483 | 18.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.37 | 2.94 | 0.00 | 2.94 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 484 | 18.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.37 | 2.90 | 0.00 | 2.90 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 485 | 17.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.37 | 2.87 | 0.00 | 2.87 | 0.00 | 0.98 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 486 | 17.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.37 | 2.84 | 0.00 | 2.84 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 487 | 17.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.38 | 2.81 | 0.00 | 2.81 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 488 | 17.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.39 | 2.79 | 0.00 | 2.79 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 489 | 16.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.40 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 490 | 16.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.41 | 2.74 | 0.00 | 2.74 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 491 | 16.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.42 | 2.72 | 0.00 | 2.72 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 492 | 16.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.43 | 2.70 | 0.00 | 2.70 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 493 | 15.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.39 | 2.80 | 0.00 | 2.80 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 494 | 15.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.40 | 2.77 | 0.00 | 2.77 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 495 | 15.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.41 | 2.75 | 0.00 | 2.75 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 496 | 15.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.42 | 2.73 | 0.00 | 2.73 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 497 | 14.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.43 | 2.71 | 0.00 | 2.71 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 498 | 14.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.44 | 2.69 | 0.00 | 2.69 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 499 | 14.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.46 | 2.67 | 0.00 | 2.67 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 500 | 14.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.47 | 2.66 | 0.00 | 2.66 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 501 | 13.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.49 | 2.64 | 0.00 | 2.64 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 502 | 13.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.50 | 2.63 | 0.00 | 2.63 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 503 | 13.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.52 | 2.62 | 0.00 | 2.62 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 504 | 13.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.54 | 2.60 | 0.00 | 2.60 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 505 | 12.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.56 | 2.59 | 0.00 | 2.59 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 506 | 12.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.57 | 2.58 | 0.00 | 2.58 | 0.00 | 0.94 | 0.09 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 507 | 12.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.59 | 2.57 | 0.00 | 2.57 | 0.00 | 0.94 | 0.09 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 508 | 12.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.61 | 2.56 | 0.00 | 2.56 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 509 | 11.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.63 | 2.55 | 0.00 | 2.55 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 510 | 11.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.65 | 2.55 | 0.00 | 2.55 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 511 | 11.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.67 | 2.54 | 0.00 | 2.54 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 512 | 11.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.69 | 2.53 | 0.00 | 2.53 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 513 | 10.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.71 | 2.52 | 0.00 | 2.52 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 514 | 10.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.73 | 2.52 | 0.00 | 2.52 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 515 | 10.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.75 | 2.51 | 0.00 | 2.51 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 516 | 10.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.77 | 2.51 | 0.00 | 2.51 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 517 | 9.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.79 | 2.50 | 0.00 | 2.50 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 518 | 9.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.81 | 2.50 | 0.00 | 2.50 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 519 | 9.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.83 | 2.49 | 0.00 | 2.49 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 520 | 9.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.85 | 2.49 | 0.00 | 2.49 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 8.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.87 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 522 | 8.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.89 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 523 | 8.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.91 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 524 | 8.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.93 | 2.47 | 0.00 | 2.47 | 0.00 | 0.91 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 525 | 7.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.78 | 2.78 | 0.00 | 2.78 | 0.00 | 0.91 | 0.08 | 0.00 | 1.00 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 526 | 7.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.78 | 2.76 | 0.00 | 2.76 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 527 | 7.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.79 | 2.74 | 0.00 | 2.74 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 528 | 7.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.79 | 2.72 | 0.00 | 2.72 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 529 | 6.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.80 | 2.70 | 0.00 | 2.70 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 530 | 6.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.81 | 2.68 | 0.00 | 2.68 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 531 | 6.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.81 | 2.67 | 0.00 | 2.67 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 532 | 6.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.82 | 2.65 | 0.00 | 2.65 | 0.00 | 0.90 | 0.08 | 0.00 | 0.99 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 533 | 5.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.83 | 2.64 | 0.00 | 2.64 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 534 | 5.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.84 | 2.63 | 0.00 | 2.63 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 535 | 5.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.85 | 2.62 | 0.00 | 2.62 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 536 | 5.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.87 | 2.60 | 0.00 | 2.60 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 537 | 4.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.88 | 2.59 | 0.00 | 2.59 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 538 | 4.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.89 | 2.58 | 0.00 | 2.58 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 539 | 4.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.90 | 2.57 | 0.00 | 2.57 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 540 | 4.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.92 | 2.57 | 0.00 | 2.57 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 541 | 3.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.93 | 2.56 | 0.00 | 2.56 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 542 | 3.500 | 31.90 | 0.0 | 0.0 | 0.0 | 7.94 | 2.55 | 0.00 | 2.55 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 543 | 3.250 | 31.90 | 0.0 | 0.0 | 0.0 | 7.96 | 2.54 | 0.00 | 2.54 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 544 | 3.000 | 31.90 | 0.0 | 0.0 | 0.0 | 7.97 | 2.53 | 0.00 | 2.53 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 545 | 2.750 | 31.90 | 0.0 | 0.0 | 0.0 | 7.99 | 2.53 | 0.00 | 2.53 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 546 | 2.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.00 | 2.52 | 0.00 | 2.52 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 547 | 2.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.02 | 2.52 | 0.00 | 2.52 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 548 | 2.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.03 | 2.51 | 0.00 | 2.51 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 549 | 1.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.05 | 2.51 | 0.00 | 2.51 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 550 | 1.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.06 | 2.50 | 0.00 | 2.50 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 551 | 1.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.08 | 2.50 | 0.00 | 2.50 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 552 | 1.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.09 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 553 | 0.750 | 31.90 | 0.0 | 0.0 | 0.0 | 8.11 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 554 | 0.500 | 31.90 | 0.0 | 0.0 | 0.0 | 8.12 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 555 | 0.250 | 31.90 | 0.0 | 0.0 | 0.0 | 8.14 | 2.48 | 0.00 | 2.48 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |
| 556 | 0.000 | 31.90 | 0.0 | 0.0 | 0.0 | 8.15 | 2.48 | 0.00 | 2.48 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Bayou Black
WATER QUALITY CONSTITUENT VALUES

| ELEM NO. | ENDING km | TEMP deg C | SALN ppt | CM-I * | CM-II * | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N µg/L | TOTN ** | PHOS | CHL A #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 44.750 | 32.10 | 0.0 | 0.0 | 0.0 | 10.88 | 0.26 | 0.00 | 0.26 | 0.00 | 0.21 | 0.01 | 0.00 | 0.22 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 226 | 44.500 | 32.09 | 0.0 | 0.0 | 0.0 | 11.16 | 0.17 | 0.00 | 0.17 | 0.00 | 0.11 | 0.01 | 0.00 | 0.11 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 227 | 44.250 | 32.09 | 0.0 | 0.0 | 0.0 | 11.17 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.10 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 228 | 44.000 | 32.08 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.10 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 229 | 43.750 | 32.08 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 230 | 43.500 | 32.08 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 231 | 43.250 | 32.07 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 232 | 43.000 | 32.07 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 233 | 42.750 | 32.06 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 234 | 42.500 | 32.06 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 235 | 42.250 | 32.06 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 236 | 42.000 | 32.05 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 237 | 41.750 | 32.05 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 238 | 41.500 | 32.04 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 239 | 41.250 | 32.04 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 240 | 41.000 | 32.04 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 241 | 40.750 | 32.03 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 242 | 40.500 | 32.03 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 243 | 40.250 | 32.02 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 244 | 40.000 | 32.02 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 245 | 39.750 | 32.02 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 246 | 39.500 | 32.01 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 247 | 39.250 | 32.01 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 248 | 39.000 | 32.00 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 249 | 38.750 | 32.00 | 0.0 | 0.0 | 0.0 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.0 | 0.0 | 0. | 0.00 |
| 250 | 38.500 | 32.00 | 0.0 | 0.0 | 0.0 | 9.27 | 0.82 | 0.00 | 0.82 | 0.00 | 0.14 | 0.01 | 0.00 | 0.14 | 0.00 | 25.7 | 0.0 | 0. | 0.00 |
| 251 | 38.250 | 32.00 | 0.0 | 0.0 | 0.0 | 8.15 | 1.32 | 0.00 | 1.32 | 0.00 | 0.18 | 0.01 | 0.00 | 0.19 | 0.00 | 26.4 | 0.0 | 0. | 0.00 |
| 252 | 38.000 | 32.00 | 0.0 | 0.0 | 0.0 | 7.48 | 1.71 | 0.00 | 1.71 | 0.00 | 0.22 | 0.01 | 0.00 | 0.23 | 0.00 | 27.1 | 0.0 | 0. | 0.00 |
| 253 | 37.750 | 32.00 | 0.0 | 0.0 | 0.0 | 7.07 | 2.01 | 0.00 | 2.01 | 0.00 | 0.26 | 0.01 | 0.00 | 0.27 | 0.00 | 27.9 | 0.0 | 0. | 0.00 |
| 254 | 37.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.81 | 2.24 | 0.00 | 2.24 | 0.00 | 0.29 | 0.02 | 0.00 | 0.31 | 0.00 | 28.6 | 0.0 | 0. | 0.00 |
| 255 | 37.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.65 | 2.42 | 0.00 | 2.42 | 0.00 | 0.33 | 0.02 | 0.00 | 0.35 | 0.00 | 29.3 | 0.0 | 0. | 0.00 |
| 256 | 37.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.55 | 2.56 | 0.00 | 2.56 | 0.00 | 0.36 | 0.02 | 0.00 | 0.38 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |
| 257 | 36.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.50 | 2.68 | 0.00 | 2.68 | 0.00 | 0.39 | 0.02 | 0.00 | 0.41 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 258 | 36.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.46 | 2.77 | 0.00 | 2.77 | 0.00 | 0.41 | 0.02 | 0.00 | 0.44 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 259 | 36.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.45 | 2.84 | 0.00 | 2.84 | 0.00 | 0.44 | 0.03 | 0.00 | 0.46 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 260 | 36.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.44 | 2.93 | 0.00 | 2.93 | 0.00 | 0.46 | 0.03 | 0.00 | 0.49 | 0.00 | 32.9 | 0.0 | 0. | 0.00 |
| 261 | 35.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.45 | 2.97 | 0.00 | 2.97 | 0.00 | 0.49 | 0.03 | 0.00 | 0.52 | 0.00 | 33.6 | 0.0 | 0. | 0.00 |
| 262 | 35.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.46 | 3.00 | 0.00 | 3.00 | 0.00 | 0.51 | 0.03 | 0.00 | 0.54 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 263 | 35.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.48 | 3.03 | 0.00 | 3.03 | 0.00 | 0.53 | 0.03 | 0.00 | 0.56 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 264 | 35.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.50 | 3.05 | 0.00 | 3.05 | 0.00 | 0.55 | 0.03 | 0.00 | 0.58 | 0.00 | 35.7 | 0.0 | 0. | 0.00 |
| 265 | 34.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.53 | 3.07 | 0.00 | 3.07 | 0.00 | 0.56 | 0.03 | 0.00 | 0.60 | 0.00 | 36.4 | 0.0 | 0. | 0.00 |
| 266 | 34.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.56 | 3.08 | 0.00 | 3.08 | 0.00 | 0.58 | 0.03 | 0.00 | 0.62 | 0.00 | 37.1 | 0.0 | 0. | 0.00 |
| 267 | 34.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.59 | 3.09 | 0.00 | 3.09 | 0.00 | 0.60 | 0.04 | 0.00 | 0.63 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 268 | 34.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.62 | 3.11 | 0.00 | 3.11 | 0.00 | 0.61 | 0.04 | 0.00 | 0.65 | 0.00 | 38.6 | 0.0 | 0. | 0.00 |
| 269 | 33.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.65 | 3.12 | 0.00 | 3.12 | 0.00 | 0.63 | 0.04 | 0.00 | 0.66 | 0.00 | 39.3 | 0.0 | 0. | 0.00 |
| 270 | 33.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.69 | 3.12 | 0.00 | 3.12 | 0.00 | 0.64 | 0.04 | 0.00 | 0.68 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 271 | 33.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.72 | 3.13 | 0.00 | 3.13 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 40.7 | 0.0 | 0. | 0.00 |
| 272 | 33.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.76 | 3.13 | 0.00 | 3.13 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 41.4 | 0.0 | 0. | 0.00 |
| 273 | 32.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.79 | 3.13 | 0.00 | 3.13 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 42.1 | 0.0 | 0. | 0.00 |
| 274 | 32.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.83 | 3.14 | 0.00 | 3.14 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 42.9 | 0.0 | 0. | 0.00 |
| 275 | 32.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.87 | 3.14 | 0.00 | 3.14 | 0.00 | 0.70 | 0.04 | 0.00 | 0.74 | 0.00 | 43.6 | 0.0 | 0. | 0.00 |
| 276 | 32.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.90 | 3.14 | 0.00 | 3.14 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.3 | 0.0 | 0. | 0.00 |
| 277 | 31.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.94 | 3.14 | 0.00 | 3.14 | 0.00 | 0.72 | 0.04 | 0.00 | 0.76 | 0.00 | 45.0 | 0.0 | 0. | 0.00 |
| 278 | 31.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.95 | 3.29 | 0.00 | 3.29 | 0.00 | 0.73 | 0.05 | 0.00 | 0.79 | 0.00 | 45.7 | 0.0 | 0. | 0.00 |
| 279 | 31.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.97 | 3.27 | 0.00 | 3.27 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 46.4 | 0.0 | 0. | 0.00 |
| 280 | 31.000 | 32.00 | 0.0 | 0.0 | 0.0 | 7.01 | 3.26 | 0.00 | 3.26 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 30.750 | 32.00 | 0.0 | 0.0 | 0.0 | 7.05 | 3.24 | 0.00 | 3.24 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 47.9 | 0.0 | 0. | 0.00 |
| 282 | 30.500 | 32.00 | 0.0 | 0.0 | 0.0 | 7.09 | 3.23 | 0.00 | 3.23 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 48.6 | 0.0 | 0. | 0.00 |
| 283 | 30.250 | 32.00 | 0.0 | 0.0 | 0.0 | 7.13 | 3.22 | 0.00 | 3.22 | 0.00 | 0.78 | 0.05 | 0.00 | 0.82 | 0.00 | 49.3 | 0.0 | 0. | 0.00 |
| 284 | 30.000 | 32.00 | 0.0 | 0.0 | 0.0 | 7.17 | 3.21 | 0.00 | 3.21 | 0.00 | 0.78 | 0.05 | 0.00 | 0.83 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 285 | 29.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.79 | 2.98 | 0.00 | 2.98 | 0.00 | 0.78 | 0.05 | 0.00 | 0.83 | 0.00 | 49.8 | 0.0 | 0. | 0.00 |
| 286 | 29.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.54 | 2.79 | 0.00 | 2.79 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 49.6 | 0.0 | 0. | 0.00 |
| 287 | 29.250 | 32.00 | 0.0 | 0.0 | 0.0 | 6.37 | 2.61 | 0.00 | 2.61 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 49.3 | 0.0 | 0. | 0.00 |
| 288 | 29.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.26 | 2.47 | 0.00 | 2.47 | 0.00 | 0.77 | 0.05 | 0.00 | 0.81 | 0.00 | 49.1 | 0.0 | 0. | 0.00 |
| 289 | 28.750 | 32.00 | 0.0 | 0.0 | 0.0 | 6.20 | 2.34 | 0.00 | 2.34 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 48.9 | 0.0 | 0. | 0.00 |
| 290 | 28.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.15 | 2.23 | 0.00 | 2.23 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 48.7 | 0.0 | 0. | 0.00 |
| 291 | 28.250 | 31.99 | 0.0 | 0.0 | 0.0 | 6.13 | 2.14 | 0.00 | 2.14 | 0.00 | 0.76 | 0.05 | 0.00 | 0.80 | 0.00 | 48.5 | 0.0 | 0. | 0.00 |
| 292 | 28.000 | 31.99 | 0.0 | 0.0 | 0.0 | 6.09 | 2.21 | 0.00 | 2.21 | 0.00 | 0.76 | 0.06 | 0.00 | 0.82 | 0.00 | 48.3 | 0.0 | 0. | 0.00 |
| 293 | 27.750 | 31.99 | 0.0 | 0.0 | 0.0 | 6.07 | 2.12 | 0.00 | 2.12 | 0.00 | 0.76 | 0.06 | 0.00 | 0.81 | 0.00 | 48.0 | 0.0 | 0. | 0.00 |
| 294 | 27.500 | 31.99 | 0.0 | 0.0 | 0.0 | 6.07 | 2.04 | 0.00 | 2.04 | 0.00 | 0.75 | 0.05 | 0.00 | 0.81 | 0.00 | 47.8 | 0.0 | 0. | 0.00 |
| 295 | 27.250 | 31.99 | 0.0 | 0.0 | 0.0 | 6.07 | 1.97 | 0.00 | 1.97 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.6 | 0.0 | 0. | 0.00 |
| 296 | 27.000 | 31.99 | 0.0 | 0.0 | 0.0 | 6.07 | 1.91 | 0.00 | 1.91 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.4 | 0.0 | 0. | 0.00 |
| 297 | 26.750 | 31.99 | 0.0 | 0.0 | 0.0 | 6.07 | 1.86 | 0.00 | 1.86 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 47.2 | 0.0 | 0. | 0.00 |
| 298 | 26.500 | 31.99 | 0.0 | 0.0 | 0.0 | 6.08 | 1.82 | 0.00 | 1.82 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 299 | 26.250 | 31.99 | 0.0 | 0.0 | 0.0 | 6.08 | 1.78 | 0.00 | 1.78 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 46.8 | 0.0 | 0. | 0.00 |
| 300 | 26.000 | 31.99 | 0.0 | 0.0 | 0.0 | 6.09 | 1.74 | 0.00 | 1.74 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.5 | 0.0 | 0. | 0.00 |
| 301 | 25.750 | 31.99 | 0.0 | 0.0 | 0.0 | 6.09 | 1.71 | 0.00 | 1.71 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.3 | 0.0 | 0. | 0.00 |
| 302 | 25.500 | 31.99 | 0.0 | 0.0 | 0.0 | 6.09 | 1.69 | 0.00 | 1.69 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.1 | 0.0 | 0. | 0.00 |
| 303 | 25.250 | 31.98 | 0.0 | 0.0 | 0.0 | 6.10 | 1.66 | 0.00 | 1.66 | 0.00 | 0.73 | 0.05 | 0.00 | 0.77 | 0.00 | 45.9 | 0.0 | 0. | 0.00 |
| 304 | 25.000 | 31.98 | 0.0 | 0.0 | 0.0 | 6.09 | 1.64 | 0.00 | 1.64 | 0.00 | 0.72 | 0.05 | 0.00 | 0.77 | 0.00 | 45.7 | 0.0 | 0. | 0.00 |
| 305 | 24.750 | 31.98 | 0.0 | 0.0 | 0.0 | 6.09 | 1.63 | 0.00 | 1.63 | 0.00 | 0.72 | 0.05 | 0.00 | 0.77 | 0.00 | 45.5 | 0.0 | 0. | 0.00 |
| 306 | 24.500 | 31.98 | 0.0 | 0.0 | 0.0 | 6.09 | 1.61 | 0.00 | 1.61 | 0.00 | 0.72 | 0.05 | 0.00 | 0.76 | 0.00 | 45.2 | 0.0 | 0. | 0.00 |
| 307 | 24.250 | 31.98 | 0.0 | 0.0 | 0.0 | 6.09 | 1.60 | 0.00 | 1.60 | 0.00 | 0.72 | 0.05 | 0.00 | 0.76 | 0.00 | 45.0 | 0.0 | 0. | 0.00 |
| 308 | 24.000 | 31.98 | 0.0 | 0.0 | 0.0 | 6.08 | 1.59 | 0.00 | 1.59 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 44.8 | 0.0 | 0. | 0.00 |
| 309 | 23.750 | 31.98 | 0.0 | 0.0 | 0.0 | 6.08 | 1.58 | 0.00 | 1.58 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 44.6 | 0.0 | 0. | 0.00 |
| 310 | 23.500 | 31.98 | 0.0 | 0.0 | 0.0 | 6.07 | 1.57 | 0.00 | 1.57 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.4 | 0.0 | 0. | 0.00 |
| 311 | 23.250 | 31.98 | 0.0 | 0.0 | 0.0 | 6.06 | 1.56 | 0.00 | 1.56 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.2 | 0.0 | 0. | 0.00 |
| 312 | 23.000 | 31.98 | 0.0 | 0.0 | 0.0 | 6.05 | 1.62 | 0.00 | 1.62 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 43.9 | 0.0 | 0. | 0.00 |
| 313 | 22.750 | 31.98 | 0.0 | 0.0 | 0.0 | 6.03 | 1.61 | 0.00 | 1.61 | 0.00 | 0.71 | 0.05 | 0.00 | 0.75 | 0.00 | 43.7 | 0.0 | 0. | 0.00 |
| 314 | 22.500 | 31.98 | 0.0 | 0.0 | 0.0 | 6.02 | 1.60 | 0.00 | 1.60 | 0.00 | 0.70 | 0.05 | 0.00 | 0.75 | 0.00 | 43.5 | 0.0 | 0. | 0.00 |
| 315 | 22.250 | 31.97 | 0.0 | 0.0 | 0.0 | 6.01 | 1.59 | 0.00 | 1.59 | 0.00 | 0.70 | 0.05 | 0.00 | 0.75 | 0.00 | 43.3 | 0.0 | 0. | 0.00 |
| 316 | 22.000 | 31.97 | 0.0 | 0.0 | 0.0 | 6.00 | 1.58 | 0.00 | 1.58 | 0.00 | 0.70 | 0.05 | 0.00 | 0.74 | 0.00 | 43.1 | 0.0 | 0. | 0.00 |
| 317 | 21.750 | 31.97 | 0.0 | 0.0 | 0.0 | 5.99 | 1.57 | 0.00 | 1.57 | 0.00 | 0.70 | 0.05 | 0.00 | 0.74 | 0.00 | 42.8 | 0.0 | 0. | 0.00 |
| 318 | 21.500 | 31.97 | 0.0 | 0.0 | 0.0 | 5.98 | 1.56 | 0.00 | 1.56 | 0.00 | 0.70 | 0.04 | 0.00 | 0.74 | 0.00 | 42.6 | 0.0 | 0. | 0.00 |
| 319 | 21.250 | 31.97 | 0.0 | 0.0 | 0.0 | 5.97 | 1.55 | 0.00 | 1.55 | 0.00 | 0.69 | 0.04 | 0.00 | 0.74 | 0.00 | 42.4 | 0.0 | 0. | 0.00 |
| 320 | 21.000 | 31.97 | 0.0 | 0.0 | 0.0 | 5.97 | 1.55 | 0.00 | 1.55 | 0.00 | 0.69 | 0.04 | 0.00 | 0.74 | 0.00 | 42.2 | 0.0 | 0. | 0.00 |
| 321 | 20.750 | 31.97 | 0.0 | 0.0 | 0.0 | 5.96 | 1.54 | 0.00 | 1.54 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |
| 322 | 20.500 | 31.97 | 0.0 | 0.0 | 0.0 | 5.95 | 1.54 | 0.00 | 1.54 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 41.8 | 0.0 | 0. | 0.00 |
| 323 | 20.250 | 31.97 | 0.0 | 0.0 | 0.0 | 5.94 | 1.53 | 0.00 | 1.53 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 41.5 | 0.0 | 0. | 0.00 |
| 324 | 20.000 | 31.97 | 0.0 | 0.0 | 0.0 | 5.93 | 1.53 | 0.00 | 1.53 | 0.00 | 0.68 | 0.04 | 0.00 | 0.73 | 0.00 | 41.3 | 0.0 | 0. | 0.00 |
| 325 | 19.750 | 31.97 | 0.0 | 0.0 | 0.0 | 5.92 | 1.53 | 0.00 | 1.53 | 0.00 | 0.68 | 0.04 | 0.00 | 0.73 | 0.00 | 41.1 | 0.0 | 0. | 0.00 |
| 326 | 19.500 | 31.97 | 0.0 | 0.0 | 0.0 | 5.91 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.9 | 0.0 | 0. | 0.00 |
| 327 | 19.250 | 31.96 | 0.0 | 0.0 | 0.0 | 5.90 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.7 | 0.0 | 0. | 0.00 |
| 328 | 19.000 | 31.96 | 0.0 | 0.0 | 0.0 | 5.89 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.5 | 0.0 | 0. | 0.00 |
| 329 | 18.750 | 31.96 | 0.0 | 0.0 | 0.0 | 5.87 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.2 | 0.0 | 0. | 0.00 |
| 330 | 18.500 | 31.96 | 0.0 | 0.0 | 0.0 | 5.86 | 1.51 | 0.00 | 1.51 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 331 | 18.250 | 31.96 | 0.0 | 0.0 | 0.0 | 5.85 | 1.54 | 0.00 | 1.54 | 0.00 | 0.67 | 0.04 | 0.00 | 0.72 | 0.00 | 39.8 | 0.0 | 0. | 0.00 |
| 332 | 18.000 | 31.96 | 0.0 | 0.0 | 0.0 | 5.84 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.72 | 0.00 | 39.6 | 0.0 | 0. | 0.00 |
| 333 | 17.750 | 31.96 | 0.0 | 0.0 | 0.0 | 5.82 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 39.4 | 0.0 | 0. | 0.00 |
| 334 | 17.500 | 31.96 | 0.0 | 0.0 | 0.0 | 5.81 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 39.2 | 0.0 | 0. | 0.00 |
| 335 | 17.250 | 31.96 | 0.0 | 0.0 | 0.0 | 5.80 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 336 | 17.000 | 31.96 | 0.0 | 0.0 | 0.0 | 5.79 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 38.7 | 0.0 | 0. | 0.00 |
| 337 | 16.750 | 31.96 | 0.0 | 0.0 | 0.0 | 5.78 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 38.5 | 0.0 | 0. | 0.00 |
| 338 | 16.500 | 31.95 | 0.0 | 0.0 | 0.0 | 5.77 | 1.52 | 0.00 | 1.52 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 38.3 | 0.0 | 0. | 0.00 |
| 339 | 16.250 | 31.95 | 0.0 | 0.0 | 0.0 | 5.75 | 1.55 | 0.00 | 1.55 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 38.1 | 0.0 | 0. | 0.00 |
| 340 | 16.000 | 31.95 | 0.0 | 0.0 | 0.0 | 5.74 | 1.55 | 0.00 | 1.55 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 37.9 | 0.0 | 0. | 0.00 |
| 341 | 15.750 | 31.95 | 0.0 | 0.0 | 0.0 | 5.72 | 1.54 | 0.00 | 1.54 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 342 | 15.500 | 31.95 | 0.0 | 0.0 | 0.0 | 5.71 | 1.54 | 0.00 | 1.54 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.4 | 0.0 | 0. | 0.00 |
| 343 | 15.250 | 31.95 | 0.0 | 0.0 | 0.0 | 5.70 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.2 | 0.0 | 0. | 0.00 |
| 344 | 15.000 | 31.95 | 0.0 | 0.0 | 0.0 | 5.69 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 345 | 14.750 | 31.95 | 0.0 | 0.0 | 0.0 | 5.68 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.8 | 0.0 | 0. | 0.00 |
| 346 | 14.500 | 31.95 | 0.0 | 0.0 | 0.0 | 5.66 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.6 | 0.0 | 0. | 0.00 |
| 347 | 14.250 | 31.95 | 0.0 | 0.0 | 0.0 | 5.65 | 1.52 | 0.00 | 1.52 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.3 | 0.0 | 0. | 0.00 |
| 348 | 14.000 | 31.95 | 0.0 | 0.0 | 0.0 | 5.64 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.70 | 0.00 | 36.1 | 0.0 | 0. | 0.00 |
| 349 | 13.750 | 31.95 | 0.0 | 0.0 | 0.0 | 5.63 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.70 | 0.00 | 35.9 | 0.0 | 0. | 0.00 |
| 350 | 13.500 | 31.94 | 0.0 | 0.0 | 0.0 | 5.62 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 35.7 | 0.0 | 0. | 0.00 |
| 351 | 13.250 | 31.94 | 0.0 | 0.0 | 0.0 | 5.61 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 35.5 | 0.0 | 0. | 0.00 |
| 352 | 13.000 | 31.94 | 0.0 | 0.0 | 0.0 | 5.41 | 1.90 | 0.00 | 1.90 | 0.00 | 0.66 | 0.36 | 0.00 | 1.02 | 0.00 | 35.3 | 0.0 | 0. | 0.00 |
| 353 | 12.750 | 31.94 | 0.0 | 0.0 | 0.0 | 5.28 | 1.86 | 0.00 | 1.86 | 0.00 | 0.66 | 0.32 | 0.00 | 0.98 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 354 | 12.500 | 31.94 | 0.0 | 0.0 | 0.0 | 5.19 | 1.83 | 0.00 | 1.83 | 0.00 | 0.66 | 0.28 | 0.00 | 0.94 | 0.00 | 34.8 | 0.0 | 0. | 0.00 |
| 355 | 12.250 | 31.94 | 0.0 | 0.0 | 0.0 | 5.13 | 1.80 | 0.00 | 1.80 | 0.00 | 0.66 | 0.25 | 0.00 | 0.91 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 356 | 12.000 | 31.94 | 0.0 | 0.0 | 0.0 | 5.10 | 1.77 | 0.00 | 1.77 | 0.00 | 0.66 | 0.23 | 0.00 | 0.89 | 0.00 | 34.4 | 0.0 | 0. | 0.00 |
| 357 | 11.750 | 31.94 | 0.0 | 0.0 | 0.0 | 5.08 | 1.75 | 0.00 | 1.75 | 0.00 | 0.66 | 0.21 | 0.00 | 0.86 | 0.00 | 34.2 | 0.0 | 0. | 0.00 |
| 358 | 11.500 | 31.94 | 0.0 | 0.0 | 0.0 | 5.08 | 1.72 | 0.00 | 1.72 | 0.00 | 0.66 | 0.19 | 0.00 | 0.84 | 0.00 | 34.0 | 0.0 | 0. | 0.00 |
| 359 | 11.250 | 31.94 | 0.0 | 0.0 | 0.0 | 5.08 | 1.70 | 0.00 | 1.70 | 0.00 | 0.66 | 0.17 | 0.00 | 0.82 | 0.00 | 33.8 | 0.0 | 0. | 0.00 |
| 360 | 11.000 | 31.94 | 0.0 | 0.0 | 0.0 | 5.09 | 1.68 | 0.00 | 1.68 | 0.00 | 0.65 | 0.15 | 0.00 | 0.81 | 0.00 | 33.5 | 0.0 | 0. | 0.00 |
| 361 | 10.750 | 31.94 | 0.0 | 0.0 | 0.0 | 5.10 | 1.67 | 0.00 | 1.67 | 0.00 | 0.65 | 0.14 | 0.00 | 0.79 | 0.00 | 33.3 | 0.0 | 0. | 0.00 |
| 362 | 10.500 | 31.93 | 0.0 | 0.0 | 0.0 | 5.12 | 1.65 | 0.00 | 1.65 | 0.00 | 0.65 | 0.13 | 0.00 | 0.78 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 363 | 10.250 | 31.93 | 0.0 | 0.0 | 0.0 | 5.13 | 1.64 | 0.00 | 1.64 | 0.00 | 0.65 | 0.12 | 0.00 | 0.77 | 0.00 | 32.9 | 0.0 | 0. | 0.00 |
| 364 | 10.000 | 31.93 | 0.0 | 0.0 | 0.0 | 5.15 | 1.63 | 0.00 | 1.63 | 0.00 | 0.65 | 0.11 | 0.00 | 0.76 | 0.00 | 32.7 | 0.0 | 0. | 0.00 |
| 365 | 9.750 | 31.93 | 0.0 | 0.0 | 0.0 | 5.16 | 1.62 | 0.00 | 1.62 | 0.00 | 0.65 | 0.10 | 0.00 | 0.75 | 0.00 | 32.5 | 0.0 | 0. | 0.00 |
| 366 | 9.500 | 31.93 | 0.0 | 0.0 | 0.0 | 5.17 | 1.61 | 0.00 | 1.61 | 0.00 | 0.65 | 0.09 | 0.00 | 0.74 | 0.00 | 32.2 | 0.0 | 0. | 0.00 |
| 367 | 9.250 | 31.93 | 0.0 | 0.0 | 0.0 | 5.18 | 1.60 | 0.00 | 1.60 | 0.00 | 0.65 | 0.09 | 0.00 | 0.74 | 0.00 | 32.0 | 0.0 | 0. | 0.00 |
| 368 | 9.000 | 31.93 | 0.0 | 0.0 | 0.0 | 5.19 | 1.59 | 0.00 | 1.59 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.8 | 0.0 | 0. | 0.00 |
| 369 | 8.750 | 31.93 | 0.0 | 0.0 | 0.0 | 5.19 | 1.62 | 0.00 | 1.62 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.6 | 0.0 | 0. | 0.00 |
| 370 | 8.500 | 31.93 | 0.0 | 0.0 | 0.0 | 5.19 | 1.61 | 0.00 | 1.61 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.4 | 0.0 | 0. | 0.00 |
| 371 | 8.250 | 31.93 | 0.0 | 0.0 | 0.0 | 5.20 | 1.60 | 0.00 | 1.60 | 0.00 | 0.65 | 0.07 | 0.00 | 0.72 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 372 | 8.000 | 31.93 | 0.0 | 0.0 | 0.0 | 5.20 | 1.59 | 0.00 | 1.59 | 0.00 | 0.65 | 0.07 | 0.00 | 0.72 | 0.00 | 30.9 | 0.0 | 0. | 0.00 |
| 373 | 7.750 | 31.93 | 0.0 | 0.0 | 0.0 | 8.04 | 2.41 | 0.00 | 2.41 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 30.7 | 0.0 | 0. | 0.00 |
| 374 | 7.500 | 31.92 | 0.0 | 0.0 | 0.0 | 7.78 | 2.38 | 0.00 | 2.38 | 0.00 | 1.10 | 0.09 | 0.00 | 1.18 | 0.00 | 30.5 | 0.0 | 0. | 0.00 |
| 375 | 7.250 | 31.92 | 0.0 | 0.0 | 0.0 | 7.53 | 2.35 | 0.00 | 2.35 | 0.00 | 1.09 | 0.08 | 0.00 | 1.18 | 0.00 | 30.3 | 0.0 | 0. | 0.00 |
| 376 | 7.000 | 31.92 | 0.0 | 0.0 | 0.0 | 7.30 | 2.32 | 0.00 | 2.32 | 0.00 | 1.09 | 0.08 | 0.00 | 1.18 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 377 | 6.750 | 31.92 | 0.0 | 0.0 | 0.0 | 7.10 | 2.29 | 0.00 | 2.29 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.9 | 0.0 | 0. | 0.00 |
| 378 | 6.500 | 31.92 | 0.0 | 0.0 | 0.0 | 6.91 | 2.26 | 0.00 | 2.26 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.6 | 0.0 | 0. | 0.00 |
| 379 | 6.250 | 31.92 | 0.0 | 0.0 | 0.0 | 6.74 | 2.23 | 0.00 | 2.23 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.4 | 0.0 | 0. | 0.00 |
| 380 | 6.000 | 31.92 | 0.0 | 0.0 | 0.0 | 6.58 | 2.21 | 0.00 | 2.21 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 29.2 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 381 | 5.750 | 31.92 | 0.0 | 0.0 | 0.0 | 6.43 | 2.18 | 0.00 | 2.18 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 29.0 | 0.0 | 0. | 0.00 |
| 382 | 5.500 | 31.92 | 0.0 | 0.0 | 0.0 | 6.30 | 2.16 | 0.00 | 2.16 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 28.8 | 0.0 | 0. | 0.00 |
| 383 | 5.250 | 31.92 | 0.0 | 0.0 | 0.0 | 6.18 | 2.14 | 0.00 | 2.14 | 0.00 | 1.08 | 0.08 | 0.00 | 1.15 | 0.00 | 28.5 | 0.0 | 0. | 0.00 |
| 384 | 5.000 | 31.92 | 0.0 | 0.0 | 0.0 | 6.07 | 2.11 | 0.00 | 2.11 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 28.3 | 0.0 | 0. | 0.00 |
| 385 | 4.750 | 31.92 | 0.0 | 0.0 | 0.0 | 5.97 | 2.09 | 0.00 | 2.09 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 28.1 | 0.0 | 0. | 0.00 |
| 386 | 4.500 | 31.91 | 0.0 | 0.0 | 0.0 | 5.87 | 2.07 | 0.00 | 2.07 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 27.9 | 0.0 | 0. | 0.00 |
| 387 | 4.250 | 31.91 | 0.0 | 0.0 | 0.0 | 5.79 | 2.05 | 0.00 | 2.05 | 0.00 | 1.07 | 0.08 | 0.00 | 1.14 | 0.00 | 27.7 | 0.0 | 0. | 0.00 |
| 388 | 4.000 | 31.91 | 0.0 | 0.0 | 0.0 | 5.71 | 2.03 | 0.00 | 2.03 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 27.5 | 0.0 | 0. | 0.00 |
| 389 | 3.750 | 31.91 | 0.0 | 0.0 | 0.0 | 5.64 | 2.01 | 0.00 | 2.01 | 0.00 | 1.06 | 0.07 | 0.00 | 1.14 | 0.00 | 27.2 | 0.0 | 0. | 0.00 |
| 390 | 3.500 | 31.91 | 0.0 | 0.0 | 0.0 | 5.57 | 2.00 | 0.00 | 2.00 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 27.0 | 0.0 | 0. | 0.00 |
| 391 | 3.250 | 31.91 | 0.0 | 0.0 | 0.0 | 5.51 | 1.98 | 0.00 | 1.98 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 26.8 | 0.0 | 0. | 0.00 |
| 392 | 3.000 | 31.91 | 0.0 | 0.0 | 0.0 | 5.45 | 1.96 | 0.00 | 1.96 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 26.6 | 0.0 | 0. | 0.00 |
| 393 | 2.750 | 31.91 | 0.0 | 0.0 | 0.0 | 5.40 | 1.95 | 0.00 | 1.95 | 0.00 | 1.05 | 0.07 | 0.00 | 1.13 | 0.00 | 26.4 | 0.0 | 0. | 0.00 |
| 394 | 2.500 | 31.91 | 0.0 | 0.0 | 0.0 | 5.35 | 1.93 | 0.00 | 1.93 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 26.2 | 0.0 | 0. | 0.00 |
| 395 | 2.250 | 31.91 | 0.0 | 0.0 | 0.0 | 5.30 | 1.92 | 0.00 | 1.92 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 25.9 | 0.0 | 0. | 0.00 |
| 396 | 2.000 | 31.91 | 0.0 | 0.0 | 0.0 | 5.26 | 1.90 | 0.00 | 1.90 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 25.7 | 0.0 | 0. | 0.00 |
| 397 | 1.750 | 31.91 | 0.0 | 0.0 | 0.0 | 5.22 | 1.89 | 0.00 | 1.89 | 0.00 | 1.04 | 0.07 | 0.00 | 1.12 | 0.00 | 25.5 | 0.0 | 0. | 0.00 |
| 398 | 1.500 | 31.90 | 0.0 | 0.0 | 0.0 | 5.18 | 1.88 | 0.00 | 1.88 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 25.3 | 0.0 | 0. | 0.00 |
| 399 | 1.250 | 31.90 | 0.0 | 0.0 | 0.0 | 5.15 | 1.86 | 0.00 | 1.86 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 400 | 1.000 | 31.90 | 0.0 | 0.0 | 0.0 | 5.12 | 1.85 | 0.00 | 1.85 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 24.9 | 0.0 | 0. | 0.00 |
| 401 | 0.750 | 31.90 | 0.0 | 0.0 | 0.0 | 5.02 | 3.09 | 0.00 | 3.09 | 0.00 | 1.38 | 0.11 | 0.00 | 1.50 | 0.00 | 24.6 | 0.0 | 0. | 0.00 |
| 402 | 0.500 | 31.90 | 0.0 | 0.0 | 0.0 | 4.99 | 3.08 | 0.00 | 3.08 | 0.00 | 1.38 | 0.11 | 0.00 | 1.49 | 0.00 | 24.4 | 0.0 | 0. | 0.00 |
| 403 | 0.250 | 31.90 | 0.0 | 0.0 | 0.0 | 4.96 | 3.05 | 0.00 | 3.05 | 0.00 | 1.38 | 0.11 | 0.00 | 1.49 | 0.00 | 24.2 | 0.0 | 0. | 0.00 |
| 404 | 0.000 | 31.90 | 0.0 | 0.0 | 0.0 | 4.93 | 3.03 | 0.00 | 3.03 | 0.00 | 1.38 | 0.11 | 0.00 | 1.49 | 0.00 | 24.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: ICWW
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 | 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 SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 93.750 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 93.500 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 93.250 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 93.000 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 92.750 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 92.500 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 92.250 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 92.000 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 91.750 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 91.500 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 91.250 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 91.000 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 90.750 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 90.500 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 90.250 | 7.36 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 90.000 | 7.36 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 89.750 | 7.36 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 89.500 | 7.36 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 89.250 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 89.000 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 88.750 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 88.500 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 88.250 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 88.000 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 87.750 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 87.500 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 87.250 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 87.000 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 86.750 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 86.500 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 86.250 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 86.000 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 85.750 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 85.500 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 85.250 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 85.000 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 84.750 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 84.500 | 7.30 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 84.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 84.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 83.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 83.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 83.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 83.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 82.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 82.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 82.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 82.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 81.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 81.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 81.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 81.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 80.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 80.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 80.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 80.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 79.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 79.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 79.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 79.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 78.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 78.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 78.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 78.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 77.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 77.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 77.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 77.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 76.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 76.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 76.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 76.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 75.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 75.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 75.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 75.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 74.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 74.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 74.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 74.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 73.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 73.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 73.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 73.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 72.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 72.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 72.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 72.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 71.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 71.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 71.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 71.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 70.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 70.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 70.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 70.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 69.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 69.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 69.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 69.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 68.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 68.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 68.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 68.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 67.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 67.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 67.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 67.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 66.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 66.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 66.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 66.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 65.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 65.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 65.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 65.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 64.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 118 | 64.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 64.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 64.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 63.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 63.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 63.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 63.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 62.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 62.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 62.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 62.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 61.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 61.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 61.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 61.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 60.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 60.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 60.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 60.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 59.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 59.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 59.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 59.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 58.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 58.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 58.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 58.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 57.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 57.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 57.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 57.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 56.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 56.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 56.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 56.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 55.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 55.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 55.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 55.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 54.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 54.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 54.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 54.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 53.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 53.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 53.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 53.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 52.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 52.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 52.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 168 | 52.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 51.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 51.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 51.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 51.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 50.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 50.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 50.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 50.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 49.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 49.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 49.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 49.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 48.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 48.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 48.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 48.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 47.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 47.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 47.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 47.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 46.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 46.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 46.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 46.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 45.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 45.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 45.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 45.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 44.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 44.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 44.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 44.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 43.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 43.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 43.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 43.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 42.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 42.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 42.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 42.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 41.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 41.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 41.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 41.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 40.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 40.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 40.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 40.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 39.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | 39.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 39.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 39.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 38.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 38.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 38.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 38.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 4.65 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 37.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 37.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 37.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 37.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 36.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 36.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 36.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 36.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 35.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 35.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 35.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 35.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 34.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 34.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 34.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 34.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 33.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 33.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 33.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 33.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 32.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 32.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 32.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 32.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 31.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 31.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 31.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 31.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 30.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 30.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 30.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 30.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 29.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 29.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 29.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 29.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 28.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 28.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 28.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 28.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 27.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 27.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 27.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 448 | 27.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 26.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 26.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 26.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 26.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 25.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 25.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 25.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 25.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 24.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 24.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 24.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 24.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 23.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 23.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 23.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 23.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 22.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 22.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 22.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 22.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 21.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 21.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 21.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 21.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 20.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 20.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 20.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 20.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 19.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 19.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 19.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 19.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 18.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 18.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 18.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 18.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 17.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 17.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 17.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 17.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 16.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 16.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 16.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 16.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 15.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 15.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 15.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 15.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 14.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 498 | 14.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 14.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 14.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 13.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 13.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 13.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 13.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 12.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 12.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 12.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 12.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 11.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 11.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 11.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 11.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 10.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 10.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 10.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 10.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 9.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 9.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 9.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 9.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 8.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 8.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 8.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 8.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 7.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 7.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 7.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 7.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 6.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 6.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 6.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 6.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 5.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 5.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 5.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 5.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 4.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 4.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 4.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 4.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 3.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 3.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 3.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 3.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 2.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 2.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 2.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 548 | 2.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 1.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 1.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 0.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Bayou Black
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 ** | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 44.750 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 44.500 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 44.250 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 44.000 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 43.750 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 43.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 43.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 43.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 42.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 42.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 42.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 42.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 41.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 41.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 41.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 41.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 40.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 40.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 40.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 40.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 39.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 39.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 39.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 39.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 38.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 38.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 38.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 38.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 37.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 37.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 37.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 37.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 257 | 36.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 36.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 36.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 36.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 35.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 35.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 35.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 35.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 34.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 34.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 34.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 34.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 33.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 33.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 33.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 33.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 32.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 32.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 32.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 32.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 31.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 31.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 31.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 31.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 30.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 30.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 30.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 30.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 29.750 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 29.500 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 29.250 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 29.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 28.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 28.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 28.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 28.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 27.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 27.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 27.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 27.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 26.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 26.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 26.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 26.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 25.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 25.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 25.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 25.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 24.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 24.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 24.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 24.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 23.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 23.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 23.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 23.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 22.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 22.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 22.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 22.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 21.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 21.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 21.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 21.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 20.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 20.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 20.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 20.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 19.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 19.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 19.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 19.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 18.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 18.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 18.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 18.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 17.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 17.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 17.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 17.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 16.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 16.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 16.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 16.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 15.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 15.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 15.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 15.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 14.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 14.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 14.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 14.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 13.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 13.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 13.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 13.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 12.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 12.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 12.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 12.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 357 | 11.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 11.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 11.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 11.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 10.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 10.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 10.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 10.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 9.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 9.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 9.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 9.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 8.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 8.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 8.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 8.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 7.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 7.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 7.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 7.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 6.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 6.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 6.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 6.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 5.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 5.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 5.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 5.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 4.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 4.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 4.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 4.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 3.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 3.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 3.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 3.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 2.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 2.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 2.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 2.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 1.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 1.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 1.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 1.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 0.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 0.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 0.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 0.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: ICWW
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m³/s | ADVCTV m/s | DEPTH m | WIDTH m | VOLUME AREA m² | SURFACE AREA m² | X-SECT PRISM m³ | TIDAL VELO m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 94.00 | 93.75 | 0.2813 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 2 | 93.75 | 93.50 | 0.3076 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 3 | 93.50 | 93.25 | 0.3339 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 4 | 93.25 | 93.00 | 0.3603 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 5 | 93.00 | 92.75 | 0.3866 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 6 | 92.75 | 92.50 | 0.4129 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 7 | 92.50 | 92.25 | 0.4392 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 8 | 92.25 | 92.00 | 0.4655 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 9 | 92.00 | 91.75 | 0.4918 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 10 | 91.75 | 91.50 | 0.5182 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 11 | 91.50 | 91.25 | 0.5445 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 12 | 91.25 | 91.00 | 0.5708 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 13 | 91.00 | 90.75 | 0.5971 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 14 | 90.75 | 90.50 | 0.6234 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 15 | 90.50 | 90.25 | 0.6497 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 16 | 90.25 | 90.00 | 0.6761 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 17 | 90.00 | 89.75 | 0.7024 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 18 | 89.75 | 89.50 | 0.7287 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 19 | 89.50 | 89.25 | 0.7550 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 20 | 89.25 | 89.00 | 0.7813 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 21 | 89.00 | 88.75 | 0.8076 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 22 | 88.75 | 88.50 | 0.8339 | 0.000 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.000 |
| 23 | 88.50 | 88.25 | 0.8603 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 24 | 88.25 | 88.00 | 0.8866 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 25 | 88.00 | 87.75 | 0.9129 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 26 | 87.75 | 87.50 | 0.9392 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 27 | 87.50 | 87.25 | 0.9655 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 28 | 87.25 | 87.00 | 0.9918 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 29 | 87.00 | 86.75 | 1.0182 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 30 | 86.75 | 86.50 | 1.0445 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 31 | 86.50 | 86.25 | 1.0708 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 32 | 86.25 | 86.00 | 1.0971 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 33 | 86.00 | 85.75 | 1.1234 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 34 | 85.75 | 85.50 | 1.1497 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 35 | 85.50 | 85.25 | 1.1761 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 36 | 85.25 | 85.00 | 1.2024 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 37 | 85.00 | 84.75 | 1.2287 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 38 | 84.75 | 84.50 | 1.2550 | 0.001 | 9.30 | 182.5 | 424289. | 45622.5 | 1697.2 | 0. | 0.000 | 0.000 | 0.001 |
| 39 | 84.50 | 84.25 | 49.1765 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 40 | 84.25 | 84.00 | 49.1930 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 41 | 84.00 | 83.75 | 49.2094 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 42 | 83.75 | 83.50 | 49.2259 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 43 | 83.50 | 83.25 | 49.2423 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 83.25 | 83.00 | 49.2587 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 45 | 83.00 | 82.75 | 49.2752 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 46 | 82.75 | 82.50 | 49.2916 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 47 | 82.50 | 82.25 | 49.3081 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 48 | 82.25 | 82.00 | 49.3245 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 49 | 82.00 | 81.75 | 49.3409 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 50 | 81.75 | 81.50 | 49.3574 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 51 | 81.50 | 81.25 | 49.3738 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 52 | 81.25 | 81.00 | 49.3903 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 53 | 81.00 | 80.75 | 49.4067 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 54 | 80.75 | 80.50 | 49.4232 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 55 | 80.50 | 80.25 | 49.4396 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 56 | 80.25 | 80.00 | 49.4560 | 0.018 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.018 |
| 57 | 80.00 | 79.75 | 12.9967 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 58 | 79.75 | 79.50 | 13.0131 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 59 | 79.50 | 79.25 | 13.0296 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 60 | 79.25 | 79.00 | 13.0460 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 61 | 79.00 | 78.75 | 13.0624 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 62 | 78.75 | 78.50 | 13.0789 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 63 | 78.50 | 78.25 | 13.0953 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 64 | 78.25 | 78.00 | 13.1118 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 65 | 78.00 | 77.75 | 13.1282 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 66 | 77.75 | 77.50 | 13.1447 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 67 | 77.50 | 77.25 | 13.1611 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 68 | 77.25 | 77.00 | 13.1775 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 69 | 77.00 | 76.75 | 13.1940 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 70 | 76.75 | 76.50 | 13.2104 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 71 | 76.50 | 76.25 | 13.2269 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 72 | 76.25 | 76.00 | 13.2433 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 73 | 76.00 | 75.75 | 13.2598 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 74 | 75.75 | 75.50 | 13.2762 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 75 | 75.50 | 75.25 | 13.2926 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 76 | 75.25 | 75.00 | 13.3091 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 77 | 75.00 | 74.75 | 13.3255 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 78 | 74.75 | 74.50 | 13.3420 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 79 | 74.50 | 74.25 | 13.3584 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 80 | 74.25 | 74.00 | 13.3749 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 81 | 74.00 | 73.75 | 13.3913 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 82 | 73.75 | 73.50 | 13.4077 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 83 | 73.50 | 73.25 | 13.4242 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 84 | 73.25 | 73.00 | 13.4406 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 85 | 73.00 | 72.75 | 13.4571 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 86 | 72.75 | 72.50 | 13.4735 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 87 | 72.50 | 72.25 | 13.4899 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 88 | 72.25 | 72.00 | 13.5064 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 89 | 72.00 | 71.75 | 15.0800 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 90 | 71.75 | 71.50 | 15.0965 | 0.005 | 13.35 | 209.1 | 697738. | 52265.0 | 2791.0 | 0. | 0.000 | 0.000 | 0.005 |
| 91 | 71.50 | 71.25 | 15.1129 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 92 | 71.25 | 71.00 | 15.1294 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 93 | 71.00 | 70.75 | 15.1458 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | 70.75 | 70.50 | 15.1623 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 95 | 70.50 | 70.25 | 15.1787 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 96 | 70.25 | 70.00 | 15.1952 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 97 | 70.00 | 69.75 | 15.2116 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 98 | 69.75 | 69.50 | 15.2280 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 99 | 69.50 | 69.25 | 15.2445 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 100 | 69.25 | 69.00 | 15.2609 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 101 | 69.00 | 68.75 | 15.2774 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 102 | 68.75 | 68.50 | 15.2938 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 103 | 68.50 | 68.25 | 15.3103 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 104 | 68.25 | 68.00 | 15.3267 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 105 | 68.00 | 67.75 | 15.3432 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 106 | 67.75 | 67.50 | 15.3596 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 107 | 67.50 | 67.25 | 15.3761 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 108 | 67.25 | 67.00 | 15.3925 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 109 | 67.00 | 66.75 | 15.4090 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 110 | 66.75 | 66.50 | 15.4254 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 111 | 66.50 | 66.25 | 15.4419 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 112 | 66.25 | 66.00 | 15.4583 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 113 | 66.00 | 65.75 | 15.4748 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 114 | 65.75 | 65.50 | 15.4912 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 115 | 65.50 | 65.25 | 15.5076 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 116 | 65.25 | 65.00 | 15.5241 | 0.003 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.003 |
| 117 | 65.00 | 64.75 | 30.8294 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 118 | 64.75 | 64.50 | 30.8458 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 119 | 64.50 | 64.25 | 30.8623 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 120 | 64.25 | 64.00 | 30.8787 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 121 | 64.00 | 63.75 | 30.8952 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 122 | 63.75 | 63.50 | 30.9116 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 123 | 63.50 | 63.25 | 30.9281 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 124 | 63.25 | 63.00 | 30.9445 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 125 | 63.00 | 62.75 | 30.9610 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 126 | 62.75 | 62.50 | 30.9774 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 127 | 62.50 | 62.25 | 30.9939 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 128 | 62.25 | 62.00 | 31.0103 | 0.006 | 12.77 | 395.3 | 1261995. | 98825.0 | 5048.0 | 0. | 0.000 | 0.000 | 0.006 |
| 129 | 62.00 | 61.75 | 31.0268 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 130 | 61.75 | 61.50 | 31.0432 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 131 | 61.50 | 61.25 | 31.0596 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 132 | 61.25 | 61.00 | 31.0761 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 133 | 61.00 | 60.75 | 31.0925 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 134 | 60.75 | 60.50 | 31.1089 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 135 | 60.50 | 60.25 | 31.1254 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 136 | 60.25 | 60.00 | 31.1418 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 137 | 60.00 | 59.75 | 31.1583 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 138 | 59.75 | 59.50 | 31.1747 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 139 | 59.50 | 59.25 | 31.1911 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 140 | 59.25 | 59.00 | 31.2076 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 141 | 59.00 | 58.75 | 31.2240 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 142 | 58.75 | 58.50 | 31.2404 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |
| 143 | 58.50 | 58.25 | 31.2569 | 0.013 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.013 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 58.25 | 58.00 | 31.2733 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 145 | 58.00 | 57.75 | 31.2898 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 146 | 57.75 | 57.50 | 31.3062 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 147 | 57.50 | 57.25 | 31.3226 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 148 | 57.25 | 57.00 | 31.3391 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 149 | 57.00 | 56.75 | 31.3555 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 150 | 56.75 | 56.50 | 31.3719 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 151 | 56.50 | 56.25 | 31.3884 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 152 | 56.25 | 56.00 | 31.4048 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 153 | 56.00 | 55.75 | 31.4213 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 154 | 55.75 | 55.50 | 31.4377 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 155 | 55.50 | 55.25 | 31.4541 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 156 | 55.25 | 55.00 | 31.4706 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 157 | 55.00 | 54.75 | 31.4870 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 158 | 54.75 | 54.50 | 31.5034 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 159 | 54.50 | 54.25 | 31.5199 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 160 | 54.25 | 54.00 | 31.5363 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 161 | 54.00 | 53.75 | 31.5528 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 162 | 53.75 | 53.50 | 31.5692 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 163 | 53.50 | 53.25 | 31.5856 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 164 | 53.25 | 53.00 | 31.6021 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 165 | 53.00 | 52.75 | 31.6185 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 166 | 52.75 | 52.50 | 31.6349 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 167 | 52.50 | 52.25 | 31.6514 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 168 | 52.25 | 52.00 | 31.6678 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 169 | 52.00 | 51.75 | 31.6843 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 170 | 51.75 | 51.50 | 31.7007 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 171 | 51.50 | 51.25 | 31.7171 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 172 | 51.25 | 51.00 | 31.7336 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 173 | 51.00 | 50.75 | 31.7500 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 174 | 50.75 | 50.50 | 31.7664 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 175 | 50.50 | 50.25 | 31.7829 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 176 | 50.25 | 50.00 | 31.7993 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 177 | 50.00 | 49.75 | 31.8158 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 178 | 49.75 | 49.50 | 31.8322 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 179 | 49.50 | 49.25 | 31.8486 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 180 | 49.25 | 49.00 | 31.8651 | 0.014 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.014 |
| 181 | 49.00 | 48.75 | 35.8311 | 0.015 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.015 |
| 182 | 48.75 | 48.50 | 35.8476 | 0.015 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.015 |
| 183 | 48.50 | 48.25 | 35.8640 | 0.015 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.015 |
| 184 | 48.25 | 48.00 | 35.8805 | 0.015 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.015 |
| 185 | 48.00 | 47.75 | 35.8969 | 0.015 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.015 |
| 186 | 47.75 | 47.50 | 35.9133 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 187 | 47.50 | 47.25 | 35.9298 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 188 | 47.25 | 47.00 | 35.9462 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 189 | 47.00 | 46.75 | 35.9626 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 190 | 46.75 | 46.50 | 35.9791 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 191 | 46.50 | 46.25 | 35.9955 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 192 | 46.25 | 46.00 | 36.0120 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 193 | 46.00 | 45.75 | 36.0284 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 194 | 45.75 | 45.50 | 36.0448 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 195 | 45.50 | 45.25 | 36.0613 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 196 | 45.25 | 45.00 | 36.0777 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 197 | 45.00 | 44.75 | 36.0941 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 198 | 44.75 | 44.50 | 36.1106 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 199 | 44.50 | 44.25 | 36.1270 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 200 | 44.25 | 44.00 | 36.1435 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 201 | 44.00 | 43.75 | 36.1599 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 202 | 43.75 | 43.50 | 36.1763 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 203 | 43.50 | 43.25 | 36.1928 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 204 | 43.25 | 43.00 | 36.2092 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 205 | 43.00 | 42.75 | 36.2256 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 206 | 42.75 | 42.50 | 36.2421 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 207 | 42.50 | 42.25 | 36.2585 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 208 | 42.25 | 42.00 | 36.2750 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 209 | 42.00 | 41.75 | 36.2914 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 210 | 41.75 | 41.50 | 36.3078 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 211 | 41.50 | 41.25 | 36.3243 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 212 | 41.25 | 41.00 | 36.3407 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 213 | 41.00 | 40.75 | 36.3571 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 214 | 40.75 | 40.50 | 36.3736 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 215 | 40.50 | 40.25 | 36.3900 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 216 | 40.25 | 40.00 | 36.4065 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 217 | 40.00 | 39.75 | 36.4229 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 218 | 39.75 | 39.50 | 36.4393 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 219 | 39.50 | 39.25 | 36.4558 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 220 | 39.25 | 39.00 | 36.4722 | 0.016 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.016 |
| 221 | 39.00 | 38.75 | 12.6776 | 0.005 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.005 |
| 222 | 38.75 | 38.50 | 12.6941 | 0.005 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.005 |
| 223 | 38.50 | 38.25 | 12.7105 | 0.005 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.005 |
| 224 | 38.25 | 38.00 | 12.7270 | 0.005 | 12.19 | 190.0 | 579025. | 47500.0 | 2316.1 | 0. | 0.000 | 0.000 | 0.005 |
| 405 | 38.00 | 37.75 | 14.9690 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 406 | 37.75 | 37.50 | 14.9904 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 407 | 37.50 | 37.25 | 15.0118 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 408 | 37.25 | 37.00 | 15.0332 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 409 | 37.00 | 36.75 | 15.0547 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 410 | 36.75 | 36.50 | 15.0761 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 411 | 36.50 | 36.25 | 15.0975 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 412 | 36.25 | 36.00 | 15.1189 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 413 | 36.00 | 35.75 | 15.5934 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 414 | 35.75 | 35.50 | 15.6148 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 415 | 35.50 | 35.25 | 15.6362 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 416 | 35.25 | 35.00 | 15.6576 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 417 | 35.00 | 34.75 | 15.6790 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 418 | 34.75 | 34.50 | 15.7005 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 419 | 34.50 | 34.25 | 15.7219 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 420 | 34.25 | 34.00 | 15.7433 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 421 | 34.00 | 33.75 | 15.7647 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 422 | 33.75 | 33.50 | 15.7862 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 423 | 33.50 | 33.25 | 15.8076 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 424 | 33.25 | 33.00 | 15.8290 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 425 | 33.00 | 32.75 | 15.8504 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 426 | 32.75 | 32.50 | 15.8718 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 427 | 32.50 | 32.25 | 15.8933 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 428 | 32.25 | 32.00 | 15.9147 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 429 | 32.00 | 31.75 | 15.9361 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 430 | 31.75 | 31.50 | 15.9575 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 431 | 31.50 | 31.25 | 15.9789 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 432 | 31.25 | 31.00 | 16.0004 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 433 | 31.00 | 30.75 | 16.0218 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 434 | 30.75 | 30.50 | 16.0432 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 435 | 30.50 | 30.25 | 16.0646 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 436 | 30.25 | 30.00 | 16.0861 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 437 | 30.00 | 29.75 | 16.1075 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 438 | 29.75 | 29.50 | 16.1289 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 439 | 29.50 | 29.25 | 16.1503 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 440 | 29.25 | 29.00 | 16.1717 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 441 | 29.00 | 28.75 | 16.1932 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 442 | 28.75 | 28.50 | 16.2146 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 443 | 28.50 | 28.25 | 16.2360 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 444 | 28.25 | 28.00 | 16.2574 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 445 | 28.00 | 27.75 | 16.2788 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 446 | 27.75 | 27.50 | 16.3003 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 447 | 27.50 | 27.25 | 16.3217 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 448 | 27.25 | 27.00 | 16.3431 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 449 | 27.00 | 26.75 | 16.3645 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 450 | 26.75 | 26.50 | 16.3860 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 451 | 26.50 | 26.25 | 16.4074 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 452 | 26.25 | 26.00 | 16.4288 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 453 | 26.00 | 25.75 | 16.4502 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 454 | 25.75 | 25.50 | 16.4716 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 455 | 25.50 | 25.25 | 16.4931 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 456 | 25.25 | 25.00 | 16.5145 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 457 | 25.00 | 24.75 | 16.5359 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 458 | 24.75 | 24.50 | 16.5573 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 459 | 24.50 | 24.25 | 16.5787 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 460 | 24.25 | 24.00 | 16.6002 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 461 | 24.00 | 23.75 | 16.6216 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 462 | 23.75 | 23.50 | 16.6431 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 463 | 23.50 | 23.25 | 16.6645 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 464 | 23.25 | 23.00 | 16.6859 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 465 | 23.00 | 22.75 | 16.7073 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 466 | 22.75 | 22.50 | 16.7287 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 467 | 22.50 | 22.25 | 16.7536 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 468 | 22.25 | 22.00 | 16.7750 | 0.008 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.008 |
| 469 | 22.00 | 21.75 | 20.4205 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 470 | 21.75 | 21.50 | 20.4419 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 471 | 21.50 | 21.25 | 20.4633 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 472 | 21.25 | 21.00 | 20.4847 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 473 | 21.00 | 20.75 | 20.5062 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 474 | 20.75 | 20.50 | 20.5276 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 475 | 20.50 | 20.25 | 20.5490 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 476 | 20.25 | 20.00 | 20.5704 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 477 | 20.00 | 19.75 | 20.5919 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 478 | 19.75 | 19.50 | 20.6133 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 479 | 19.50 | 19.25 | 20.6347 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 480 | 19.25 | 19.00 | 20.6561 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 481 | 19.00 | 18.75 | 20.6775 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 482 | 18.75 | 18.50 | 20.6990 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 483 | 18.50 | 18.25 | 20.7204 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 484 | 18.25 | 18.00 | 20.7418 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 485 | 18.00 | 17.75 | 20.7632 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 486 | 17.75 | 17.50 | 20.7846 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 487 | 17.50 | 17.25 | 20.8061 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 488 | 17.25 | 17.00 | 20.8275 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 489 | 17.00 | 16.75 | 20.8489 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 490 | 16.75 | 16.50 | 20.8703 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 491 | 16.50 | 16.25 | 20.8918 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 492 | 16.25 | 16.00 | 20.9132 | 0.010 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.010 |
| 493 | 16.00 | 15.75 | 21.3876 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 494 | 15.75 | 15.50 | 21.4090 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 495 | 15.50 | 15.25 | 21.4304 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 496 | 15.25 | 15.00 | 21.4519 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 497 | 15.00 | 14.75 | 21.4733 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 498 | 14.75 | 14.50 | 21.4947 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 499 | 14.50 | 14.25 | 21.5161 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 500 | 14.25 | 14.00 | 21.5375 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 501 | 14.00 | 13.75 | 21.5590 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 502 | 13.75 | 13.50 | 21.5804 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 503 | 13.50 | 13.25 | 21.6018 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 504 | 13.25 | 13.00 | 21.6232 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 505 | 13.00 | 12.75 | 21.6447 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 506 | 12.75 | 12.50 | 21.6661 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 507 | 12.50 | 12.25 | 21.6875 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 508 | 12.25 | 12.00 | 21.7089 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 509 | 12.00 | 11.75 | 21.7303 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 510 | 11.75 | 11.50 | 21.7518 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 511 | 11.50 | 11.25 | 21.7732 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 512 | 11.25 | 11.00 | 21.7946 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 513 | 11.00 | 10.75 | 21.8160 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 514 | 10.75 | 10.50 | 21.8374 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 515 | 10.50 | 10.25 | 21.8589 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 516 | 10.25 | 10.00 | 21.8803 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 517 | 10.00 | 9.75 | 21.9017 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 518 | 9.75 | 9.50 | 21.9231 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 519 | 9.50 | 9.25 | 21.9446 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 520 | 9.25 | 9.00 | 21.9660 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 521 | 9.00 | 8.75 | 21.9874 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 522 | 8.75 | 8.50 | 22.0088 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 523 | 8.50 | 8.25 | 22.0302 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 524 | 8.25 | 8.00 | 22.0517 | 0.011 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.011 |
| 525 | 8.00 | 7.75 | 23.2905 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 526 | 7.75 | 7.50 | 23.3120 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 527 | 7.50 | 7.25 | 23.3334 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 528 | 7.25 | 7.00 | 23.3548 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 529 | 7.00 | 6.75 | 23.3762 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 530 | 6.75 | 6.50 | 23.3976 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 531 | 6.50 | 6.25 | 23.4191 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 532 | 6.25 | 6.00 | 23.4405 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 533 | 6.00 | 5.75 | 23.4619 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 534 | 5.75 | 5.50 | 23.4833 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 535 | 5.50 | 5.25 | 23.5047 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 536 | 5.25 | 5.00 | 23.5262 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 537 | 5.00 | 4.75 | 23.5476 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 538 | 4.75 | 4.50 | 23.5690 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 539 | 4.50 | 4.25 | 23.5904 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 540 | 4.25 | 4.00 | 23.6119 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 541 | 4.00 | 3.75 | 23.2369 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 542 | 3.75 | 3.50 | 23.2583 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 543 | 3.50 | 3.25 | 23.2797 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 544 | 3.25 | 3.00 | 23.3012 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 545 | 3.00 | 2.75 | 23.3226 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 546 | 2.75 | 2.50 | 23.3440 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 547 | 2.50 | 2.25 | 23.3654 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 548 | 2.25 | 2.00 | 23.3868 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 549 | 2.00 | 1.75 | 23.4083 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 550 | 1.75 | 1.50 | 23.4297 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 551 | 1.50 | 1.25 | 23.4511 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 552 | 1.25 | 1.00 | 23.4726 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 553 | 1.00 | 0.75 | 23.4940 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 554 | 0.75 | 0.50 | 23.5154 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 555 | 0.50 | 0.25 | 23.5368 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |
| 556 | 0.25 | 0.00 | 23.5583 | 0.012 | 12.80 | 155.8 | 498560. | 38950.0 | 1994.2 | 0. | 0.000 | 0.000 | 0.012 |

SPECIAL REPORT: Bayou Black
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 45.00 | 44.75 | 0.0110 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 226 | 44.75 | 44.50 | 0.0150 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 227 | 44.50 | 44.25 | 0.0190 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 228 | 44.25 | 44.00 | 0.0230 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 229 | 44.00 | 43.75 | 0.0270 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 230 | 43.75 | 43.50 | 0.0310 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 231 | 43.50 | 43.25 | 0.0350 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 232 | 43.25 | 43.00 | 0.0390 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 43.00 | 42.75 | 0.0430 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 234 | 42.75 | 42.50 | 0.0470 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 235 | 42.50 | 42.25 | 0.0510 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 236 | 42.25 | 42.00 | 0.0550 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 237 | 42.00 | 41.75 | 0.0590 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 238 | 41.75 | 41.50 | 0.0630 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 239 | 41.50 | 41.25 | 0.0670 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 240 | 41.25 | 41.00 | 0.0710 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 241 | 41.00 | 40.75 | 0.0750 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 242 | 40.75 | 40.50 | 0.0790 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 243 | 40.50 | 40.25 | 0.0830 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 244 | 40.25 | 40.00 | 0.0870 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 245 | 40.00 | 39.75 | 0.0910 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 246 | 39.75 | 39.50 | 0.0950 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 247 | 39.50 | 39.25 | 0.0990 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 248 | 39.25 | 39.00 | 0.1030 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 249 | 39.00 | 38.75 | 0.1070 | 0.000 | 4.57 | 196.7 | 224741. | 49177.5 | 899.0 | 0. | 0.000 | 0.000 | 0.000 |
| 250 | 38.75 | 38.50 | 0.1099 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 251 | 38.50 | 38.25 | 0.1127 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 252 | 38.25 | 38.00 | 0.1156 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 253 | 38.00 | 37.75 | 0.1184 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 254 | 37.75 | 37.50 | 0.1213 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 255 | 37.50 | 37.25 | 0.1241 | 0.003 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.003 |
| 256 | 37.25 | 37.00 | 0.1270 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 257 | 37.00 | 36.75 | 0.1299 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 258 | 36.75 | 36.50 | 0.1327 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 259 | 36.50 | 36.25 | 0.1356 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 260 | 36.25 | 36.00 | 0.1386 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 261 | 36.00 | 35.75 | 0.1414 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 262 | 35.75 | 35.50 | 0.1443 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 263 | 35.50 | 35.25 | 0.1471 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 264 | 35.25 | 35.00 | 0.1500 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 265 | 35.00 | 34.75 | 0.1529 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 266 | 34.75 | 34.50 | 0.1557 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 267 | 34.50 | 34.25 | 0.1586 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 268 | 34.25 | 34.00 | 0.1615 | 0.004 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.004 |
| 269 | 34.00 | 33.75 | 0.1643 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 270 | 33.75 | 33.50 | 0.1672 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 271 | 33.50 | 33.25 | 0.1700 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 272 | 33.25 | 33.00 | 0.1729 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 273 | 33.00 | 32.75 | 0.1758 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 274 | 32.75 | 32.50 | 0.1786 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 275 | 32.50 | 32.25 | 0.1815 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 276 | 32.25 | 32.00 | 0.1843 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 277 | 32.00 | 31.75 | 0.1872 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 278 | 31.75 | 31.50 | 0.1915 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 279 | 31.50 | 31.25 | 0.1944 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 280 | 31.25 | 31.00 | 0.1973 | 0.005 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.005 |
| 281 | 31.00 | 30.75 | 0.2001 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 282 | 30.75 | 30.50 | 0.2030 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 283 | 30.50 | 30.25 | 0.2058 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 284 | 30.25 | 30.00 | 0.2087 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 285 | 30.00 | 29.75 | 0.2101 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 286 | 29.75 | 29.50 | 0.2115 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 287 | 29.50 | 29.25 | 0.2130 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 288 | 29.25 | 29.00 | 0.2144 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 289 | 29.00 | 28.75 | 0.2158 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 290 | 28.75 | 28.50 | 0.2173 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 291 | 28.50 | 28.25 | 0.2187 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 292 | 28.25 | 28.00 | 0.2221 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 293 | 28.00 | 27.75 | 0.2235 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 294 | 27.75 | 27.50 | 0.2249 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 295 | 27.50 | 27.25 | 0.2264 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 296 | 27.25 | 27.00 | 0.2278 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 297 | 27.00 | 26.75 | 0.2292 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 298 | 26.75 | 26.50 | 0.2307 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 299 | 26.50 | 26.25 | 0.2321 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 300 | 26.25 | 26.00 | 0.2335 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 301 | 26.00 | 25.75 | 0.2350 | 0.006 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.006 |
| 302 | 25.75 | 25.50 | 0.2364 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 303 | 25.50 | 25.25 | 0.2378 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 304 | 25.25 | 25.00 | 0.2393 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 305 | 25.00 | 24.75 | 0.2407 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 306 | 24.75 | 24.50 | 0.2421 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 307 | 24.50 | 24.25 | 0.2436 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 308 | 24.25 | 24.00 | 0.2450 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 309 | 24.00 | 23.75 | 0.2464 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 310 | 23.75 | 23.50 | 0.2479 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 311 | 23.50 | 23.25 | 0.2493 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 312 | 23.25 | 23.00 | 0.2514 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 313 | 23.00 | 22.75 | 0.2529 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 314 | 22.75 | 22.50 | 0.2543 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 315 | 22.50 | 22.25 | 0.2557 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 316 | 22.25 | 22.00 | 0.2572 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 317 | 22.00 | 21.75 | 0.2586 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 318 | 21.75 | 21.50 | 0.2600 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 319 | 21.50 | 21.25 | 0.2615 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 320 | 21.25 | 21.00 | 0.2629 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 321 | 21.00 | 20.75 | 0.2643 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 322 | 20.75 | 20.50 | 0.2658 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 323 | 20.50 | 20.25 | 0.2672 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 324 | 20.25 | 20.00 | 0.2686 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 325 | 20.00 | 19.75 | 0.2701 | 0.007 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.007 |
| 326 | 19.75 | 19.50 | 0.2715 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 327 | 19.50 | 19.25 | 0.2729 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 328 | 19.25 | 19.00 | 0.2744 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 329 | 19.00 | 18.75 | 0.2758 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 330 | 18.75 | 18.50 | 0.2772 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 331 | 18.50 | 18.25 | 0.2789 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 332 | 18.25 | 18.00 | 0.2803 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 333 | 18.00 | 17.75 | 0.2817 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 334 | 17.75 | 17.50 | 0.2832 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 335 | 17.50 | 17.25 | 0.2846 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 336 | 17.25 | 17.00 | 0.2860 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 337 | 17.00 | 16.75 | 0.2875 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 338 | 16.75 | 16.50 | 0.2889 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 339 | 16.50 | 16.25 | 0.2907 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 340 | 16.25 | 16.00 | 0.2922 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 341 | 16.00 | 15.75 | 0.2936 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 342 | 15.75 | 15.50 | 0.2950 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 343 | 15.50 | 15.25 | 0.2965 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 344 | 15.25 | 15.00 | 0.2979 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 345 | 15.00 | 14.75 | 0.2993 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 346 | 14.75 | 14.50 | 0.3008 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 347 | 14.50 | 14.25 | 0.3022 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 348 | 14.25 | 14.00 | 0.3036 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 349 | 14.00 | 13.75 | 0.3051 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 350 | 13.75 | 13.50 | 0.3065 | 0.008 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.008 |
| 351 | 13.50 | 13.25 | 0.3079 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 352 | 13.25 | 13.00 | 0.3150 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 353 | 13.00 | 12.75 | 0.3165 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 354 | 12.75 | 12.50 | 0.3179 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 355 | 12.50 | 12.25 | 0.3193 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 356 | 12.25 | 12.00 | 0.3208 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 357 | 12.00 | 11.75 | 0.3222 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 358 | 11.75 | 11.50 | 0.3236 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 359 | 11.50 | 11.25 | 0.3251 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 360 | 11.25 | 11.00 | 0.3265 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 361 | 11.00 | 10.75 | 0.3279 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 362 | 10.75 | 10.50 | 0.3294 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 363 | 10.50 | 10.25 | 0.3308 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 364 | 10.25 | 10.00 | 0.3322 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 365 | 10.00 | 9.75 | 0.3337 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 366 | 9.75 | 9.50 | 0.3351 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 367 | 9.50 | 9.25 | 0.3365 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 368 | 9.25 | 9.00 | 0.3380 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 369 | 9.00 | 8.75 | 0.3410 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 370 | 8.75 | 8.50 | 0.3424 | 0.009 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.009 |
| 371 | 8.50 | 8.25 | 0.3439 | 0.010 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.010 |
| 372 | 8.25 | 8.00 | 0.3453 | 0.010 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.010 |
| 373 | 8.00 | 7.75 | 0.8734 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 374 | 7.75 | 7.50 | 0.8748 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 375 | 7.50 | 7.25 | 0.8762 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 376 | 7.25 | 7.00 | 0.8777 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 377 | 7.00 | 6.75 | 0.8791 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 378 | 6.75 | 6.50 | 0.8805 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 379 | 6.50 | 6.25 | 0.8820 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 380 | 6.25 | 6.00 | 0.8834 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 381 | 6.00 | 5.75 | 0.8848 | 0.024 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.024 |
| 382 | 5.75 | 5.50 | 0.8863 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 383 | 5.50 | 5.25 | 0.8877 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 384 | 5.25 | 5.00 | 0.8891 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 385 | 5.00 | 4.75 | 0.8906 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 386 | 4.75 | 4.50 | 0.8920 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 387 | 4.50 | 4.25 | 0.8934 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 388 | 4.25 | 4.00 | 0.8949 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 389 | 4.00 | 3.75 | 0.8963 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 390 | 3.75 | 3.50 | 0.8977 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 391 | 3.50 | 3.25 | 0.8992 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 392 | 3.25 | 3.00 | 0.9006 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 393 | 3.00 | 2.75 | 0.9020 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 394 | 2.75 | 2.50 | 0.9035 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 395 | 2.50 | 2.25 | 0.9049 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 396 | 2.25 | 2.00 | 0.9063 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 397 | 2.00 | 1.75 | 0.9078 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 398 | 1.75 | 1.50 | 0.9092 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 399 | 1.50 | 1.25 | 0.9106 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 400 | 1.25 | 1.00 | 0.9121 | 0.025 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.025 |
| 401 | 1.00 | 0.75 | 2.2159 | 0.061 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.061 |
| 402 | 0.75 | 0.50 | 2.2177 | 0.061 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.061 |
| 403 | 0.50 | 0.25 | 2.2191 | 0.061 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.061 |
| 404 | 0.25 | 0.00 | 2.2206 | 0.061 | 1.16 | 31.2 | 9039. | 7792.5 | 36.2 | 0. | 0.000 | 0.000 | 0.061 |

FINAL REPORT ICWW — LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 1 Gulf ICWW — FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.25500 | 31.20 | 0.00 | 0.00 | 0.00 | 6.70 | 3.70 | 0.00 | 3.70 | 0.00 | 1.30 | 0.10 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02632 | 30.90 | 0.00 | 0.00 | 0.00 | 7.22 | 6.67 | 0.00 | | | 1.40 | 0.10 | 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 | 94.00 | 93.75 | 0.28132 | 0.0 | 0.00017 | 17.46 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 2 | 93.75 | 93.50 | 0.30763 | 0.0 | 0.00018 | 15.96 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 3 | 93.50 | 93.25 | 0.33395 | 0.0 | 0.00020 | 14.71 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 4 | 93.25 | 93.00 | 0.36026 | 0.0 | 0.00021 | 13.63 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 5 | 93.00 | 92.75 | 0.38658 | 0.0 | 0.00023 | 12.70 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 6 | 92.75 | 92.50 | 0.41289 | 0.0 | 0.00024 | 11.89 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 7 | 92.50 | 92.25 | 0.43921 | 0.0 | 0.00026 | 11.18 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 92.25 | 92.00 | 0.46553 | 0.0 | 0.00027 | 10.55 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 9 | 92.00 | 91.75 | 0.49184 | 0.0 | 0.00029 | 9.98 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 10 | 91.75 | 91.50 | 0.51816 | 0.0 | 0.00031 | 9.48 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 11 | 91.50 | 91.25 | 0.54447 | 0.0 | 0.00032 | 9.02 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 12 | 91.25 | 91.00 | 0.57079 | 0.0 | 0.00034 | 8.60 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 13 | 91.00 | 90.75 | 0.59711 | 0.0 | 0.00035 | 8.22 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 14 | 90.75 | 90.50 | 0.62342 | 0.0 | 0.00037 | 7.88 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 15 | 90.50 | 90.25 | 0.64974 | 0.0 | 0.00038 | 7.56 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 16 | 90.25 | 90.00 | 0.67605 | 0.0 | 0.00040 | 7.26 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 17 | 90.00 | 89.75 | 0.70237 | 0.0 | 0.00041 | 6.99 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 18 | 89.75 | 89.50 | 0.72868 | 0.0 | 0.00043 | 6.74 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 19 | 89.50 | 89.25 | 0.75500 | 0.0 | 0.00044 | 6.50 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 20 | 89.25 | 89.00 | 0.78132 | 0.0 | 0.00046 | 6.29 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 21 | 89.00 | 88.75 | 0.80763 | 0.0 | 0.00048 | 6.08 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 22 | 88.75 | 88.50 | 0.83395 | 0.0 | 0.00049 | 5.89 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.000 |
| 23 | 88.50 | 88.25 | 0.86026 | 0.0 | 0.00051 | 5.71 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 24 | 88.25 | 88.00 | 0.88658 | 0.0 | 0.00052 | 5.54 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 25 | 88.00 | 87.75 | 0.91289 | 0.0 | 0.00054 | 5.38 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 26 | 87.75 | 87.50 | 0.93921 | 0.0 | 0.00055 | 5.23 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 27 | 87.50 | 87.25 | 0.96553 | 0.0 | 0.00057 | 5.09 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 28 | 87.25 | 87.00 | 0.99184 | 0.0 | 0.00058 | 4.95 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 29 | 87.00 | 86.75 | 1.01816 | 0.0 | 0.00060 | 4.82 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 30 | 86.75 | 86.50 | 1.04447 | 0.0 | 0.00062 | 4.70 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 31 | 86.50 | 86.25 | 1.07079 | 0.0 | 0.00063 | 4.59 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 32 | 86.25 | 86.00 | 1.09711 | 0.0 | 0.00065 | 4.48 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 33 | 86.00 | 85.75 | 1.12342 | 0.0 | 0.00066 | 4.37 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 34 | 85.75 | 85.50 | 1.14974 | 0.0 | 0.00068 | 4.27 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 35 | 85.50 | 85.25 | 1.17605 | 0.0 | 0.00069 | 4.18 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 36 | 85.25 | 85.00 | 1.20237 | 0.0 | 0.00071 | 4.08 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 37 | 85.00 | 84.75 | 1.22868 | 0.0 | 0.00072 | 4.00 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |
| 38 | 84.75 | 84.50 | 1.25500 | 0.0 | 0.00074 | 3.91 | 9.30 | 182.49 | 424289.28 | 45622.50 | 1697.16 | 0.00 | 0.000 | 0.000 | 0.001 |

| | | | | | |
|---|---|---|---|---|---|
| TOT | | | 289.87 | 16122990.00 | 1733655.00 |
| AVG | | 0.0004 | 9.30 | 182.49 | 1697.16 |
| CUM | | | 289.87 | | |

********** 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 1/da | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE * | DENIT SRCE 1/da | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 93.750 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 93.500 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 93.250 | 7.40 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.02 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 93.000 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 92.750 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 92.500 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 92.250 | 7.39 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 92.000 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 91.750 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 91.500 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 91.250 | 7.38 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 91.000 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 90.750 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 90.500 | 7.37 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 90.250 | 7.36 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 90.000 | 7.36 | 0.09 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 89.750 | 7.36 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 89.500 | 7.36 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 89.250 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 89.000 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 88.750 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 88.500 | 7.35 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 88.250 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 88.000 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 87.750 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 87.500 | 7.34 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 87.250 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 87.000 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 86.750 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 86.500 | 7.33 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 86.250 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 86.000 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 85.750 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 85.500 | 7.32 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 85.250 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 85.000 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 84.750 | 7.31 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 84.500 | 7.30 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.08 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | | | 0.02 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

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

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 93.750 | 31.22 | 0.00 | 0.00 | 0.00 | 7.30 | 2.01 | 0.00 | 2.01 | 0.00 | 1.19 | 0.11 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 2 | 93.500 | 31.24 | 0.00 | 0.00 | 0.00 | 7.99 | 1.72 | 0.00 | 1.72 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 3 | 93.250 | 31.26 | 0.00 | 0.00 | 0.00 | 8.34 | 1.67 | 0.00 | 1.67 | 0.00 | 1.08 | 0.10 | 0.00 | 1.17 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 4 | 93.000 | 31.28 | 0.00 | 0.00 | 0.00 | 8.51 | 1.66 | 0.00 | 1.66 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 5 | 92.750 | 31.31 | 0.00 | 0.00 | 0.00 | 8.59 | 1.66 | 0.00 | 1.66 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 6 | 92.500 | 31.33 | 0.00 | 0.00 | 0.00 | 8.63 | 1.66 | 0.00 | 1.66 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 7 | 92.250 | 31.35 | 0.00 | 0.00 | 0.00 | 8.66 | 1.65 | 0.00 | 1.65 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 8 | 92.000 | 31.37 | 0.00 | 0.00 | 0.00 | 8.68 | 1.65 | 0.00 | 1.65 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 91.750 | 31.39 | 0.00 | 0.00 | 0.00 | 8.69 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 10 | 91.500 | 31.41 | 0.00 | 0.00 | 0.00 | 8.70 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 11 | 91.250 | 31.43 | 0.00 | 0.00 | 0.00 | 8.70 | 1.65 | 0.00 | 1.65 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 12 | 91.000 | 31.45 | 0.00 | 0.00 | 0.00 | 8.71 | 1.65 | 0.00 | 1.65 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 13 | 90.750 | 31.47 | 0.00 | 0.00 | 0.00 | 8.71 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 14 | 90.500 | 31.49 | 0.00 | 0.00 | 0.00 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 15 | 90.250 | 31.52 | 0.00 | 0.00 | 0.00 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 16 | 90.000 | 31.54 | 0.00 | 0.00 | 0.00 | 8.72 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 17 | 89.750 | 31.56 | 0.00 | 0.00 | 0.00 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 18 | 89.500 | 31.58 | 0.00 | 0.00 | 0.00 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 19 | 89.250 | 31.60 | 0.00 | 0.00 | 0.00 | 8.73 | 1.64 | 0.00 | 1.64 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 20 | 89.000 | 31.62 | 0.00 | 0.00 | 0.00 | 8.73 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 21 | 88.750 | 31.64 | 0.00 | 0.00 | 0.00 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 22 | 88.500 | 31.66 | 0.00 | 0.00 | 0.00 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 23 | 88.250 | 31.68 | 0.00 | 0.00 | 0.00 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 24 | 88.000 | 31.71 | 0.00 | 0.00 | 0.00 | 8.74 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 25 | 87.750 | 31.73 | 0.00 | 0.00 | 0.00 | 8.75 | 1.63 | 0.00 | 1.63 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 26 | 87.500 | 31.75 | 0.00 | 0.00 | 0.00 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 27 | 87.250 | 31.77 | 0.00 | 0.00 | 0.00 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 28 | 87.000 | 31.79 | 0.00 | 0.00 | 0.00 | 8.75 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 29 | 86.750 | 31.81 | 0.00 | 0.00 | 0.00 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 30 | 86.500 | 31.83 | 0.00 | 0.00 | 0.00 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 31 | 86.250 | 31.85 | 0.00 | 0.00 | 0.00 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 32 | 86.000 | 31.87 | 0.00 | 0.00 | 0.00 | 8.76 | 1.62 | 0.00 | 1.62 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 33 | 85.750 | 31.89 | 0.00 | 0.00 | 0.00 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 34 | 85.500 | 31.92 | 0.00 | 0.00 | 0.00 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 35 | 85.250 | 31.94 | 0.00 | 0.00 | 0.00 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 36 | 85.000 | 31.96 | 0.00 | 0.00 | 0.00 | 8.77 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 37 | 84.750 | 31.98 | 0.00 | 0.00 | 0.00 | 8.78 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 38 | 84.500 | 32.00 | 0.00 | 0.00 | 0.00 | 8.78 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT ICWW — LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 2 Gulf ICWW — FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | UPR RCH | 1.25500 | 32.00 | 0.00 | 0.00 | 0.00 | 8.78 | 1.61 | 0.00 | 1.61 | 0.00 | 0.98 | 0.09 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01644 | 30.90 | 0.00 | 0.00 | 0.00 | 7.22 | 6.67 | 0.00 | | | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 39 | WSTLD | 47.90509 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 3.50 | 0.00 | 3.50 | 0.00 | 1.60 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | WSTLD | -36.47580 | 32.04 | 0.00 | 0.00 | 0.00 | 5.13 | 2.47 | 0.00 | 2.47 | 0.00 | 1.50 | 0.12 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| 89 | WSTLD | 1.55720 | 31.20 | 0.00 | 0.00 | 0.00 | 6.60 | 4.30 | 0.00 | 4.30 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | AREA m² | VOLUME m³ | AREA m² | PRISM m³ | SURFACE VELO m/s | X-SECT VELO m²/s | TIDAL m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 84.50 | 84.25 | 49.17653 | 97.4 | 0.01762 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 40 | 84.25 | 84.00 | 49.19297 | 97.4 | 0.01763 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 41 | 84.00 | 83.75 | 49.20942 | 97.3 | 0.01763 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 42 | 83.75 | 83.50 | 49.22586 | 97.3 | 0.01764 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 43 | 83.50 | 83.25 | 49.24230 | 97.3 | 0.01764 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 44 | 83.25 | 83.00 | 49.25874 | 97.3 | 0.01765 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 45 | 83.00 | 82.75 | 49.27518 | 97.2 | 0.01766 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 46 | 82.75 | 82.50 | 49.29162 | 97.2 | 0.01766 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 47 | 82.50 | 82.25 | 49.30806 | 97.2 | 0.01767 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 48 | 82.25 | 82.00 | 49.32450 | 97.1 | 0.01767 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 49 | 82.00 | 81.75 | 49.34095 | 97.1 | 0.01768 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 50 | 81.75 | 81.50 | 49.35739 | 97.1 | 0.01768 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 51 | 81.50 | 81.25 | 49.37383 | 97.0 | 0.01769 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 52 | 81.25 | 81.00 | 49.39027 | 97.0 | 0.01770 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 53 | 81.00 | 80.75 | 49.40671 | 97.0 | 0.01770 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 54 | 80.75 | 80.50 | 49.42315 | 96.9 | 0.01771 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 55 | 80.50 | 80.25 | 49.43959 | 96.9 | 0.01771 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 56 | 80.25 | 80.00 | 49.45604 | 96.9 | 0.01772 | 0.16 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.018 | | | | |
| 57 | 80.00 | 79.75 | 12.99668 | 96.8 | 0.00466 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 58 | 79.75 | 79.50 | 13.01312 | 96.7 | 0.00466 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 59 | 79.50 | 79.25 | 13.02956 | 96.6 | 0.00467 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 60 | 79.25 | 79.00 | 13.04600 | 96.5 | 0.00467 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 61 | 79.00 | 78.75 | 13.06245 | 96.3 | 0.00468 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 62 | 78.75 | 78.50 | 13.07889 | 96.2 | 0.00469 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 63 | 78.50 | 78.25 | 13.09533 | 96.1 | 0.00469 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 64 | 78.25 | 78.00 | 13.11177 | 96.0 | 0.00470 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 65 | 78.00 | 77.75 | 13.12822 | 95.9 | 0.00470 | 0.62 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 66 | 77.75 | 77.50 | 13.14466 | 95.7 | 0.00471 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 67 | 77.50 | 77.25 | 13.16110 | 95.6 | 0.00472 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 68 | 77.25 | 77.00 | 13.17754 | 95.5 | 0.00472 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 69 | 77.00 | 76.75 | 13.19398 | 95.4 | 0.00473 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 70 | 76.75 | 76.50 | 13.21043 | 95.3 | 0.00473 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 71 | 76.50 | 76.25 | 13.22687 | 95.1 | 0.00474 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 72 | 76.25 | 76.00 | 13.24331 | 95.0 | 0.00475 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 73 | 76.00 | 75.75 | 13.25975 | 94.9 | 0.00475 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 74 | 75.75 | 75.50 | 13.27620 | 94.8 | 0.00476 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 75 | 75.50 | 75.25 | 13.29264 | 94.7 | 0.00476 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 76 | 75.25 | 75.00 | 13.30908 | 94.6 | 0.00477 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 77 | 75.00 | 74.75 | 13.32552 | 94.4 | 0.00477 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 78 | 74.75 | 74.50 | 13.34197 | 94.3 | 0.00478 | 0.61 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 79 | 74.50 | 74.25 | 13.35841 | 94.2 | 0.00479 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 80 | 74.25 | 74.00 | 13.37485 | 94.1 | 0.00479 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 81 | 74.00 | 73.75 | 13.39129 | 94.0 | 0.00480 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 82 | 73.75 | 73.50 | 13.40773 | 93.9 | 0.00480 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 83 | 73.50 | 73.25 | 13.42418 | 93.7 | 0.00481 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 84 | 73.25 | 73.00 | 13.44062 | 93.6 | 0.00482 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 73.00 | 72.75 | 13.45706 | 93.5 | 0.00482 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| 86 | 72.75 | 72.50 | 13.47350 | 93.4 | 0.00483 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| 87 | 72.50 | 72.25 | 13.48995 | 93.3 | 0.00483 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| 88 | 72.25 | 72.00 | 13.50639 | 93.2 | 0.00484 | 0.60 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| 89 | 72.00 | 71.75 | 15.08003 | 93.8 | 0.00540 | 0.54 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| 90 | 71.75 | 71.50 | 15.09647 | 93.7 | 0.00541 | 0.53 | 13.35 | 209.06 | 697737.75 | 52265.00 | 2790.95 | 0.00 | 0.000 | 0.000 | 0.005 |
| TOT | | | | | 23.52 | | | 36282368.00 | 2717780.00 | | | | | | |
| AVG | | | | 0.0064 | | | 13.35 | 209.06 | | | 2790.95 | | | | |
| CUM | | | | | 313.39 | | | | | | | | | | |

********** 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 * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | 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 SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 84.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 40 | 84.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 41 | 83.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 42 | 83.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 43 | 83.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 44 | 83.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 45 | 82.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 46 | 82.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 47 | 82.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 48 | 82.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 49 | 81.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 50 | 81.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 51 | 81.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 52 | 81.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 53 | 80.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 54 | 80.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 55 | 80.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 56 | 80.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 57 | 79.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 58 | 79.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 59 | 79.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 60 | 79.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 61 | 78.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 62 | 78.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 63 | 78.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 64 | 78.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 65 | 77.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 66 | 77.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 67 | 77.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 68 | 77.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 69 | 76.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |
| 70 | 76.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 76.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 76.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 75.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 75.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 75.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 75.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 74.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 74.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 74.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 74.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 73.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 73.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 73.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 73.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 72.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 72.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 72.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 72.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 71.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 71.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.05 0.15 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.13 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 84.250 | 32.00 | 0.00 | 0.00 | 0.00 | 5.08 | 3.38 | 0.00 | 3.38 | 0.00 | 1.58 | 0.10 | 0.00 | 1.68 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 40 | 84.000 | 32.00 | 0.00 | 0.00 | 0.00 | 5.06 | 3.31 | 0.00 | 3.31 | 0.00 | 1.57 | 0.10 | 0.00 | 1.68 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 41 | 83.750 | 32.01 | 0.00 | 0.00 | 0.00 | 5.05 | 3.24 | 0.00 | 3.24 | 0.00 | 1.57 | 0.11 | 0.00 | 1.68 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 42 | 83.500 | 32.01 | 0.00 | 0.00 | 0.00 | 5.04 | 3.17 | 0.00 | 3.17 | 0.00 | 1.57 | 0.11 | 0.00 | 1.67 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 43 | 83.250 | 32.01 | 0.00 | 0.00 | 0.00 | 5.04 | 3.11 | 0.00 | 3.11 | 0.00 | 1.56 | 0.11 | 0.00 | 1.67 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 44 | 83.000 | 32.01 | 0.00 | 0.00 | 0.00 | 5.03 | 3.05 | 0.00 | 3.05 | 0.00 | 1.56 | 0.11 | 0.00 | 1.67 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 45 | 82.750 | 32.01 | 0.00 | 0.00 | 0.00 | 5.03 | 3.00 | 0.00 | 3.00 | 0.00 | 1.55 | 0.11 | 0.00 | 1.66 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 46 | 82.500 | 32.02 | 0.00 | 0.00 | 0.00 | 5.03 | 2.94 | 0.00 | 2.94 | 0.00 | 1.55 | 0.11 | 0.00 | 1.66 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 47 | 82.250 | 32.02 | 0.00 | 0.00 | 0.00 | 5.03 | 2.89 | 0.00 | 2.89 | 0.00 | 1.54 | 0.11 | 0.00 | 1.66 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 48 | 82.000 | 32.02 | 0.00 | 0.00 | 0.00 | 5.03 | 2.84 | 0.00 | 2.84 | 0.00 | 1.54 | 0.12 | 0.00 | 1.65 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 49 | 81.750 | 32.02 | 0.00 | 0.00 | 0.00 | 5.04 | 2.79 | 0.00 | 2.79 | 0.00 | 1.53 | 0.12 | 0.00 | 1.65 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 50 | 81.500 | 32.02 | 0.00 | 0.00 | 0.00 | 5.05 | 2.74 | 0.00 | 2.74 | 0.00 | 1.53 | 0.12 | 0.00 | 1.65 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 51 | 81.250 | 32.03 | 0.00 | 0.00 | 0.00 | 5.05 | 2.70 | 0.00 | 2.70 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 52 | 81.000 | 32.03 | 0.00 | 0.00 | 0.00 | 5.06 | 2.66 | 0.00 | 2.66 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 53 | 80.750 | 32.03 | 0.00 | 0.00 | 0.00 | 5.08 | 2.62 | 0.00 | 2.62 | 0.00 | 1.52 | 0.12 | 0.00 | 1.64 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 54 | 80.500 | 32.03 | 0.00 | 0.00 | 0.00 | 5.09 | 2.58 | 0.00 | 2.58 | 0.00 | 1.51 | 0.12 | 0.00 | 1.63 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 55 | 80.250 | 32.03 | 0.00 | 0.00 | 0.00 | 5.10 | 2.54 | 0.00 | 2.54 | 0.00 | 1.51 | 0.12 | 0.00 | 1.63 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 56 | 80.000 | 32.03 | 0.00 | 0.00 | 0.00 | 5.12 | 2.50 | 0.00 | 2.50 | 0.00 | 1.50 | 0.12 | 0.00 | 1.63 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 57 | 79.750 | 32.04 | 0.00 | 0.00 | 0.00 | 5.13 | 2.47 | 0.00 | 2.47 | 0.00 | 1.50 | 0.12 | 0.00 | 1.62 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 79.500 | 32.04 | 0.00 | 0.00 | 0.00 | 5.21 | 2.36 | 0.00 | 2.36 | 0.00 | 1.48 | 0.13 | 0.00 | 1.61 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 59 | 79.250 | 32.04 | 0.00 | 0.00 | 0.00 | 5.30 | 2.26 | 0.00 | 2.26 | 0.00 | 1.47 | 0.13 | 0.00 | 1.59 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 60 | 79.000 | 32.04 | 0.00 | 0.00 | 0.00 | 5.39 | 2.18 | 0.00 | 2.18 | 0.00 | 1.45 | 0.13 | 0.00 | 1.58 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 61 | 78.750 | 32.04 | 0.00 | 0.00 | 0.00 | 5.49 | 2.11 | 0.00 | 2.11 | 0.00 | 1.43 | 0.13 | 0.00 | 1.56 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 62 | 78.500 | 32.05 | 0.00 | 0.00 | 0.00 | 5.60 | 2.04 | 0.00 | 2.04 | 0.00 | 1.42 | 0.13 | 0.00 | 1.55 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 63 | 78.250 | 32.05 | 0.00 | 0.00 | 0.00 | 5.71 | 1.99 | 0.00 | 1.99 | 0.00 | 1.40 | 0.13 | 0.00 | 1.53 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 64 | 78.000 | 32.05 | 0.00 | 0.00 | 0.00 | 5.82 | 1.95 | 0.00 | 1.95 | 0.00 | 1.39 | 0.13 | 0.00 | 1.52 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 65 | 77.750 | 32.05 | 0.00 | 0.00 | 0.00 | 5.93 | 1.91 | 0.00 | 1.91 | 0.00 | 1.38 | 0.13 | 0.00 | 1.50 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 66 | 77.500 | 32.05 | 0.00 | 0.00 | 0.00 | 6.05 | 1.87 | 0.00 | 1.87 | 0.00 | 1.36 | 0.13 | 0.00 | 1.49 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 67 | 77.250 | 32.06 | 0.00 | 0.00 | 0.00 | 6.16 | 1.84 | 0.00 | 1.84 | 0.00 | 1.35 | 0.13 | 0.00 | 1.47 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 68 | 77.000 | 32.06 | 0.00 | 0.00 | 0.00 | 6.27 | 1.82 | 0.00 | 1.82 | 0.00 | 1.33 | 0.13 | 0.00 | 1.46 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 69 | 76.750 | 32.06 | 0.00 | 0.00 | 0.00 | 6.39 | 1.80 | 0.00 | 1.80 | 0.00 | 1.32 | 0.12 | 0.00 | 1.45 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 70 | 76.500 | 32.06 | 0.00 | 0.00 | 0.00 | 6.50 | 1.78 | 0.00 | 1.78 | 0.00 | 1.31 | 0.12 | 0.00 | 1.43 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 71 | 76.250 | 32.06 | 0.00 | 0.00 | 0.00 | 6.61 | 1.76 | 0.00 | 1.76 | 0.00 | 1.29 | 0.12 | 0.00 | 1.42 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 72 | 76.000 | 32.07 | 0.00 | 0.00 | 0.00 | 6.72 | 1.75 | 0.00 | 1.75 | 0.00 | 1.28 | 0.12 | 0.00 | 1.40 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 73 | 75.750 | 32.07 | 0.00 | 0.00 | 0.00 | 6.82 | 1.74 | 0.00 | 1.74 | 0.00 | 1.27 | 0.12 | 0.00 | 1.39 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 74 | 75.500 | 32.07 | 0.00 | 0.00 | 0.00 | 6.93 | 1.73 | 0.00 | 1.73 | 0.00 | 1.26 | 0.12 | 0.00 | 1.38 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 75 | 75.250 | 32.07 | 0.00 | 0.00 | 0.00 | 7.03 | 1.72 | 0.00 | 1.72 | 0.00 | 1.25 | 0.12 | 0.00 | 1.36 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 76 | 75.000 | 32.07 | 0.00 | 0.00 | 0.00 | 7.13 | 1.71 | 0.00 | 1.71 | 0.00 | 1.23 | 0.12 | 0.00 | 1.35 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 77 | 74.750 | 32.08 | 0.00 | 0.00 | 0.00 | 7.23 | 1.71 | 0.00 | 1.71 | 0.00 | 1.22 | 0.11 | 0.00 | 1.34 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 78 | 74.500 | 32.08 | 0.00 | 0.00 | 0.00 | 7.32 | 1.70 | 0.00 | 1.70 | 0.00 | 1.21 | 0.11 | 0.00 | 1.32 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 79 | 74.250 | 32.08 | 0.00 | 0.00 | 0.00 | 7.41 | 1.69 | 0.00 | 1.69 | 0.00 | 1.20 | 0.11 | 0.00 | 1.31 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 80 | 74.000 | 32.08 | 0.00 | 0.00 | 0.00 | 7.50 | 1.69 | 0.00 | 1.69 | 0.00 | 1.19 | 0.11 | 0.00 | 1.30 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 81 | 73.750 | 32.08 | 0.00 | 0.00 | 0.00 | 7.59 | 1.69 | 0.00 | 1.69 | 0.00 | 1.18 | 0.11 | 0.00 | 1.29 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 82 | 73.500 | 32.08 | 0.00 | 0.00 | 0.00 | 7.68 | 1.68 | 0.00 | 1.68 | 0.00 | 1.17 | 0.11 | 0.00 | 1.28 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 83 | 73.250 | 32.09 | 0.00 | 0.00 | 0.00 | 7.76 | 1.68 | 0.00 | 1.68 | 0.00 | 1.16 | 0.11 | 0.00 | 1.26 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 84 | 73.000 | 32.09 | 0.00 | 0.00 | 0.00 | 7.84 | 1.68 | 0.00 | 1.68 | 0.00 | 1.15 | 0.11 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 85 | 72.750 | 32.09 | 0.00 | 0.00 | 0.00 | 7.92 | 1.68 | 0.00 | 1.68 | 0.00 | 1.14 | 0.11 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 86 | 72.500 | 32.09 | 0.00 | 0.00 | 0.00 | 8.00 | 1.67 | 0.00 | 1.67 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 87 | 72.250 | 32.09 | 0.00 | 0.00 | 0.00 | 8.08 | 1.67 | 0.00 | 1.67 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 88 | 72.000 | 32.10 | 0.00 | 0.00 | 0.00 | 8.15 | 1.67 | 0.00 | 1.67 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 89 | 71.750 | 32.10 | 0.00 | 0.00 | 0.00 | 8.03 | 1.91 | 0.00 | 1.91 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 90 | 71.500 | 32.10 | 0.00 | 0.00 | 0.00 | 8.07 | 1.88 | 0.00 | 1.88 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT ICWW — LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 3 Gulf ICWW — FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | UPR RCH | 15.09647 | 32.10 | 0.00 | 0.00 | 0.00 | 8.07 | 1.88 | 0.00 | 1.88 | 0.00 | 1.12 | 0.10 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01645 | 30.90 | 0.00 | 0.00 | 0.00 | 7.22 | 6.67 | 0.00 | | | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 117 | WSTLD | 15.28886 | 31.20 | 0.00 | 0.00 | 0.00 | 6.60 | 6.20 | 0.00 | 6.20 | 0.00 | 1.40 | 0.10 | 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 | AREA m² | VOLUME AREA m² | PRISM m³ | SURFACE VELO m/s | X-SECT VELO m²/s | TIDAL m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 71.50 | 71.25 | 15.11292 | 93.6 | 0.00299 | 0.97 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 92 | 71.25 | 71.00 | 15.12937 | 93.5 | 0.00300 | 0.97 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 93 | 71.00 | 70.75 | 15.14581 | 93.4 | 0.00300 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 94 | 70.75 | 70.50 | 15.16226 | 93.3 | 0.00300 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 95 | 70.50 | 70.25 | 15.17871 | 93.2 | 0.00301 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 96 | 70.25 | 70.00 | 15.19516 | 93.1 | 0.00301 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 97 | 70.00 | 69.75 | 15.21160 | 93.0 | 0.00301 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 98 | 69.75 | 69.50 | 15.22805 | 92.9 | 0.00302 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 99 | 69.50 | 69.25 | 15.24450 | 92.8 | 0.00302 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 100 | 69.25 | 69.00 | 15.26094 | 92.7 | 0.00302 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 101 | 69.00 | 68.75 | 15.27739 | 92.6 | 0.00303 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 102 | 68.75 | 68.50 | 15.29384 | 92.5 | 0.00303 | 0.96 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 103 | 68.50 | 68.25 | 15.31028 | 92.4 | 0.00303 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 104 | 68.25 | 68.00 | 15.32673 | 92.3 | 0.00304 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 105 | 68.00 | 67.75 | 15.34318 | 92.2 | 0.00304 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 106 | 67.75 | 67.50 | 15.35963 | 92.1 | 0.00304 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 107 | 67.50 | 67.25 | 15.37607 | 92.0 | 0.00305 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 108 | 67.25 | 67.00 | 15.39252 | 91.9 | 0.00305 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 109 | 67.00 | 66.75 | 15.40897 | 91.8 | 0.00305 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 110 | 66.75 | 66.50 | 15.42541 | 91.7 | 0.00306 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 111 | 66.50 | 66.25 | 15.44186 | 91.6 | 0.00306 | 0.95 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 112 | 66.25 | 66.00 | 15.45831 | 91.5 | 0.00306 | 0.94 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 113 | 66.00 | 65.75 | 15.47476 | 91.4 | 0.00307 | 0.94 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 114 | 65.75 | 65.50 | 15.49120 | 91.3 | 0.00307 | 0.94 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 115 | 65.50 | 65.25 | 15.50765 | 91.2 | 0.00307 | 0.94 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 116 | 65.25 | 65.00 | 15.52410 | 91.1 | 0.00308 | 0.94 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.003 | | |
| 117 | 65.00 | 64.75 | 30.82940 | 95.5 | 0.00611 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 118 | 64.75 | 64.50 | 30.84585 | 95.4 | 0.00611 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 119 | 64.50 | 64.25 | 30.86230 | 95.4 | 0.00611 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 120 | 64.25 | 64.00 | 30.87874 | 95.3 | 0.00612 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 121 | 64.00 | 63.75 | 30.89519 | 95.3 | 0.00612 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 122 | 63.75 | 63.50 | 30.91164 | 95.2 | 0.00612 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 123 | 63.50 | 63.25 | 30.92809 | 95.2 | 0.00613 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 124 | 63.25 | 63.00 | 30.94453 | 95.1 | 0.00613 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 125 | 63.00 | 62.75 | 30.96098 | 95.1 | 0.00613 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 126 | 62.75 | 62.50 | 30.97743 | 95.0 | 0.00614 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 127 | 62.50 | 62.25 | 30.99387 | 95.0 | 0.00614 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 128 | 62.25 | 62.00 | 31.01032 | 94.9 | 0.00614 | 0.47 | 12.77 | 395.30 | 1261995.25 | 98825.00 | 5047.98 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| TOT | | | | 30.46 | | | | 47955836.00 | 3755350.00 | | | | | | | | |
| AVG | | | 0.0036 | | 12.77 | 395.30 | | | | 5047.98 | | | | | | | |
| CUM | | | | 343.85 | | | | | | | | | | | | | |

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

| ELEM NO. | ENDING DIST | 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#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 71.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 71.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 70.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 70.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 70.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 70.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 4.29 | 4.29 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 69.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 69.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 69.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 69.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 68.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 68.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 68.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 4.30 | 4.30 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 68.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 67.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 67.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 67.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 67.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 66.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 66.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 4.31 | 4.31 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 66.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 66.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 65.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 65.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 65.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 65.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 64.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 4.32 | 4.32 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 64.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 64.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 64.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 63.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 63.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 63.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 63.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 4.33 | 4.33 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 62.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 62.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 62.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 62.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 4.34 | 4.34 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.05 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | | | 0.02 | 0.00 | 0.13 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 71.250 | 32.11 | 0.00 | 0.00 | 0.00 | 7.98 | 1.84 | 0.00 | 1.84 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 92 | 71.000 | 32.11 | 0.00 | 0.00 | 0.00 | 7.91 | 1.81 | 0.00 | 1.81 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 93 | 70.750 | 32.12 | 0.00 | 0.00 | 0.00 | 7.86 | 1.79 | 0.00 | 1.79 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 94 | 70.500 | 32.12 | 0.00 | 0.00 | 0.00 | 7.81 | 1.77 | 0.00 | 1.77 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 95 | 70.250 | 32.13 | 0.00 | 0.00 | 0.00 | 7.77 | 1.75 | 0.00 | 1.75 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 96 | 70.000 | 32.13 | 0.00 | 0.00 | 0.00 | 7.73 | 1.74 | 0.00 | 1.74 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 97 | 69.750 | 32.14 | 0.00 | 0.00 | 0.00 | 7.70 | 1.73 | 0.00 | 1.73 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 98 | 69.500 | 32.14 | 0.00 | 0.00 | 0.00 | 7.68 | 1.72 | 0.00 | 1.72 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 99 | 69.250 | 32.15 | 0.00 | 0.00 | 0.00 | 7.66 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 100 | 69.000 | 32.15 | 0.00 | 0.00 | 0.00 | 7.64 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 101 | 68.750 | 32.16 | 0.00 | 0.00 | 0.00 | 7.62 | 1.71 | 0.00 | 1.71 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 102 | 68.500 | 32.16 | 0.00 | 0.00 | 0.00 | 7.61 | 1.70 | 0.00 | 1.70 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 103 | 68.250 | 32.17 | 0.00 | 0.00 | 0.00 | 7.60 | 1.70 | 0.00 | 1.70 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 104 | 68.000 | 32.17 | 0.00 | 0.00 | 0.00 | 7.59 | 1.70 | 0.00 | 1.70 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 105 | 67.750 | 32.18 | 0.00 | 0.00 | 0.00 | 7.59 | 1.70 | 0.00 | 1.70 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 106 | 67.500 | 32.18 | 0.00 | 0.00 | 0.00 | 7.58 | 1.70 | 0.00 | 1.70 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 107 | 67.250 | 32.19 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 108 | 67.000 | 32.19 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 109 | 66.750 | 32.20 | 0.00 | 0.00 | 0.00 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 110 | 66.500 | 32.21 | 0.00 | 0.00 | 0.00 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 111 | 66.250 | 32.21 | 0.00 | 0.00 | 0.00 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 112 | 66.000 | 32.22 | 0.00 | 0.00 | 0.00 | 7.57 | 1.69 | 0.00 | 1.69 | 0.00 | 0.95 | 0.08 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 113 | 65.750 | 32.22 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.94 | 0.08 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 114 | 65.500 | 32.23 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 115 | 65.250 | 32.23 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 116 | 65.000 | 32.24 | 0.00 | 0.00 | 0.00 | 7.58 | 1.69 | 0.00 | 1.69 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 117 | 64.750 | 32.24 | 0.00 | 0.00 | 0.00 | 6.87 | 3.68 | 0.00 | 3.68 | 0.00 | 1.16 | 0.09 | 0.00 | 1.25 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 118 | 64.500 | 32.25 | 0.00 | 0.00 | 0.00 | 6.67 | 3.46 | 0.00 | 3.46 | 0.00 | 1.15 | 0.09 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 119 | 64.250 | 32.25 | 0.00 | 0.00 | 0.00 | 6.51 | 3.26 | 0.00 | 3.26 | 0.00 | 1.15 | 0.09 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 120 | 64.000 | 32.26 | 0.00 | 0.00 | 0.00 | 6.37 | 3.08 | 0.00 | 3.08 | 0.00 | 1.14 | 0.10 | 0.00 | 1.24 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 121 | 63.750 | 32.26 | 0.00 | 0.00 | 0.00 | 6.25 | 2.93 | 0.00 | 2.93 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 122 | 63.500 | 32.27 | 0.00 | 0.00 | 0.00 | 6.16 | 2.79 | 0.00 | 2.79 | 0.00 | 1.13 | 0.10 | 0.00 | 1.23 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 123 | 63.250 | 32.27 | 0.00 | 0.00 | 0.00 | 6.08 | 2.67 | 0.00 | 2.67 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 124 | 63.000 | 32.28 | 0.00 | 0.00 | 0.00 | 6.02 | 2.56 | 0.00 | 2.56 | 0.00 | 1.12 | 0.10 | 0.00 | 1.22 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 125 | 62.750 | 32.28 | 0.00 | 0.00 | 0.00 | 5.97 | 2.46 | 0.00 | 2.46 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 126 | 62.500 | 32.29 | 0.00 | 0.00 | 0.00 | 5.93 | 2.37 | 0.00 | 2.37 | 0.00 | 1.11 | 0.10 | 0.00 | 1.21 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 127 | 62.250 | 32.29 | 0.00 | 0.00 | 0.00 | 5.91 | 2.30 | 0.00 | 2.30 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 128 | 62.000 | 32.30 | 0.00 | 0.00 | 0.00 | 5.89 | 2.23 | 0.00 | 2.23 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT ICWW — LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 4 Gulf ICWW — FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | UPR RCH | 31.01032 | 32.30 | 0.00 | 0.00 | 0.00 | 5.89 | 2.23 | 0.00 | 2.23 | 0.00 | 1.10 | 0.10 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.01644 | 30.90 | 0.00 | 0.00 | 0.00 | 7.22 | 6.67 | 0.00 | | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 181 | WSTLD | 4.47341 | 31.20 | 0.00 | 0.00 | 0.00 | 10.40 | 7.20 | 0.00 | 7.20 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | WSTLD | -0.52378 | 32.08 | 0.00 | 0.00 | 0.00 | 7.05 | 2.32 | 0.00 | 2.32 | 0.00 | 1.05 | 0.09 | 0.00 | 0.00 | 22.21 | 0.00 | 0.00 |
| 221 | WSTLD | -23.81100 | 31.91 | 0.00 | 0.00 | 0.00 | 7.42 | 1.75 | 0.00 | 1.75 | 0.00 | 1.00 | 0.09 | 0.00 | 0.00 | 23.88 | 0.00 | 0.00 |
| 223 | WSTLD | 0.00003 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 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 | PRISM m³ | TIDAL VELO m/s | TIDAL VELO m²/s | DISPRSN m/s | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | 62.00 | 61.75 | 31.02676 | 94.9 | 0.01340 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 130 | 61.75 | 61.50 | 31.04320 | 94.8 | 0.01340 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 131 | 61.50 | 61.25 | 31.05963 | 94.8 | 0.01341 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 132 | 61.25 | 61.00 | 31.07607 | 94.7 | 0.01342 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 133 | 61.00 | 60.75 | 31.09251 | 94.7 | 0.01342 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 134 | 60.75 | 60.50 | 31.10895 | 94.6 | 0.01343 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 135 | 60.50 | 60.25 | 31.12538 | 94.6 | 0.01344 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 136 | 60.25 | 60.00 | 31.14182 | 94.5 | 0.01345 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 137 | 60.00 | 59.75 | 31.15826 | 94.5 | 0.01345 | 0.22 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 138 | 59.75 | 59.50 | 31.17470 | 94.4 | 0.01346 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 139 | 59.50 | 59.25 | 31.19113 | 94.4 | 0.01347 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 140 | 59.25 | 59.00 | 31.20757 | 94.3 | 0.01347 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 141 | 59.00 | 58.75 | 31.22401 | 94.3 | 0.01348 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 142 | 58.75 | 58.50 | 31.24045 | 94.2 | 0.01349 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 143 | 58.50 | 58.25 | 31.25688 | 94.2 | 0.01350 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.013 | |
| 144 | 58.25 | 58.00 | 31.27332 | 94.1 | 0.01350 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 145 | 58.00 | 57.75 | 31.28976 | 94.1 | 0.01351 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 146 | 57.75 | 57.50 | 31.30620 | 94.0 | 0.01352 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 147 | 57.50 | 57.25 | 31.32263 | 94.0 | 0.01352 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 148 | 57.25 | 57.00 | 31.33907 | 93.9 | 0.01353 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 149 | 57.00 | 56.75 | 31.35551 | 93.9 | 0.01354 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 150 | 56.75 | 56.50 | 31.37195 | 93.8 | 0.01355 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 151 | 56.50 | 56.25 | 31.38838 | 93.8 | 0.01355 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 152 | 56.25 | 56.00 | 31.40482 | 93.7 | 0.01356 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 153 | 56.00 | 55.75 | 31.42126 | 93.7 | 0.01357 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 154 | 55.75 | 55.50 | 31.43770 | 93.6 | 0.01357 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 155 | 55.50 | 55.25 | 31.45413 | 93.6 | 0.01358 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 156 | 55.25 | 55.00 | 31.47057 | 93.5 | 0.01359 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 157 | 55.00 | 54.75 | 31.48701 | 93.5 | 0.01359 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 158 | 54.75 | 54.50 | 31.50345 | 93.4 | 0.01360 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 159 | 54.50 | 54.25 | 31.51988 | 93.4 | 0.01361 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 160 | 54.25 | 54.00 | 31.53632 | 93.3 | 0.01362 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |
| 161 | 54.00 | 53.75 | 31.55276 | 93.3 | 0.01362 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 162 | 53.75 | 53.50 | 31.56920 | 93.2 | 0.01363 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 163 | 53.50 | 53.25 | 31.58563 | 93.2 | 0.01364 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 164 | 53.25 | 53.00 | 31.60207 | 93.1 | 0.01364 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 165 | 53.00 | 52.75 | 31.61851 | 93.1 | 0.01365 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 166 | 52.75 | 52.50 | 31.63495 | 93.0 | 0.01366 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 167 | 52.50 | 52.25 | 31.65138 | 93.0 | 0.01367 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 168 | 52.25 | 52.00 | 31.66782 | 92.9 | 0.01367 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 169 | 52.00 | 51.75 | 31.68426 | 92.9 | 0.01368 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 170 | 51.75 | 51.50 | 31.70070 | 92.8 | 0.01369 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 171 | 51.50 | 51.25 | 31.71713 | 92.8 | 0.01369 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 172 | 51.25 | 51.00 | 31.73357 | 92.7 | 0.01370 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 173 | 51.00 | 50.75 | 31.75001 | 92.7 | 0.01371 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 174 | 50.75 | 50.50 | 31.76645 | 92.6 | 0.01372 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 175 | 50.50 | 50.25 | 31.78288 | 92.6 | 0.01372 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 176 | 50.25 | 50.00 | 31.79932 | 92.6 | 0.01373 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 177 | 50.00 | 49.75 | 31.81576 | 92.5 | 0.01374 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 178 | 49.75 | 49.50 | 31.83220 | 92.5 | 0.01374 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 179 | 49.50 | 49.25 | 31.84863 | 92.4 | 0.01375 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 180 | 49.25 | 49.00 | 31.86507 | 92.4 | 0.01376 | 0.21 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.014 |
| 181 | 49.00 | 48.75 | 35.83114 | 93.3 | 0.01547 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.015 |
| 182 | 48.75 | 48.50 | 35.84758 | 93.2 | 0.01548 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.015 |
| 183 | 48.50 | 48.25 | 35.86401 | 93.2 | 0.01548 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.015 |
| 184 | 48.25 | 48.00 | 35.88045 | 93.1 | 0.01549 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.015 |
| 185 | 48.00 | 47.75 | 35.89689 | 93.1 | 0.01550 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.015 |
| 186 | 47.75 | 47.50 | 35.91333 | 93.0 | 0.01551 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 187 | 47.50 | 47.25 | 35.92976 | 93.0 | 0.01551 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 188 | 47.25 | 47.00 | 35.94620 | 93.0 | 0.01552 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 189 | 47.00 | 46.75 | 35.96264 | 92.9 | 0.01553 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 190 | 46.75 | 46.50 | 35.97908 | 92.9 | 0.01553 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 191 | 46.50 | 46.25 | 35.99551 | 92.8 | 0.01554 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 192 | 46.25 | 46.00 | 36.01195 | 92.8 | 0.01555 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 193 | 46.00 | 45.75 | 36.02839 | 92.7 | 0.01556 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 194 | 45.75 | 45.50 | 36.04483 | 92.7 | 0.01556 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 195 | 45.50 | 45.25 | 36.06126 | 92.7 | 0.01557 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 196 | 45.25 | 45.00 | 36.07770 | 92.6 | 0.01558 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 197 | 45.00 | 44.75 | 36.09414 | 92.6 | 0.01558 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 198 | 44.75 | 44.50 | 36.11058 | 92.5 | 0.01559 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 199 | 44.50 | 44.25 | 36.12701 | 92.5 | 0.01560 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 200 | 44.25 | 44.00 | 36.14345 | 92.5 | 0.01561 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 201 | 44.00 | 43.75 | 36.15989 | 92.4 | 0.01561 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 202 | 43.75 | 43.50 | 36.17633 | 92.4 | 0.01562 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 203 | 43.50 | 43.25 | 36.19276 | 92.3 | 0.01563 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 204 | 43.25 | 43.00 | 36.20920 | 92.3 | 0.01563 | 0.19 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 205 | 43.00 | 42.75 | 36.22564 | 92.2 | 0.01564 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 206 | 42.75 | 42.50 | 36.24208 | 92.2 | 0.01565 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 207 | 42.50 | 42.25 | 36.25851 | 92.2 | 0.01565 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 208 | 42.25 | 42.00 | 36.27495 | 92.1 | 0.01566 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 209 | 42.00 | 41.75 | 36.29139 | 92.1 | 0.01567 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 210 | 41.75 | 41.50 | 36.30783 | 92.0 | 0.01568 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 211 | 41.50 | 41.25 | 36.32426 | 92.0 | 0.01568 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 212 | 41.25 | 41.00 | 36.34070 | 92.0 | 0.01569 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 213 | 41.00 | 40.75 | 36.35714 | 91.9 | 0.01570 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 214 | 40.75 | 40.50 | 36.37358 | 91.9 | 0.01570 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 215 | 40.50 | 40.25 | 36.39001 | 91.8 | 0.01571 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 216 | 40.25 | 40.00 | 36.40645 | 91.8 | 0.01572 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 217 | 40.00 | 39.75 | 36.42289 | 91.7 | 0.01573 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 218 | 39.75 | 39.50 | 36.43933 | 91.7 | 0.01573 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 219 | 39.50 | 39.25 | 36.45576 | 91.7 | 0.01574 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 220 | 39.25 | 39.00 | 36.47220 | 91.6 | 0.01575 | 0.18 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.016 |
| 221 | 39.00 | 38.75 | 12.67764 | 91.6 | 0.00547 | 0.53 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.005 |
| 222 | 38.75 | 38.50 | 12.69408 | 91.5 | 0.00548 | 0.53 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.005 |
| 223 | 38.50 | 38.25 | 12.71054 | 91.3 | 0.00549 | 0.53 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.005 |
| 224 | 38.25 | 38.00 | 12.72698 | 91.2 | 0.00550 | 0.53 | 12.19 | 190.00 | 579024.94 | 47500.00 | 2316.10 | 0.00 | 0.000 | 0.000 | 0.005 |
| TOT | | | | | 20.61 | | | 55586332.00 | 4560000.00 | | | | | | |
| AVG | | | | 0.0135 | | | 12.19 | 190.00 | | | 2316.10 | | | | |
| CUM | | | | | 364.46 | | | | | | | | | | |

********** 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 | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | 61.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 61.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 61.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 61.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 60.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 60.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 | 4.77 | 4.77 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 60.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 60.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 59.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 59.500 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 59.250 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 59.000 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 58.750 | 7.27 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 58.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 58.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 58.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 57.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 57.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 57.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 57.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 56.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 56.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 4.75 | 4.75 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 56.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 56.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 55.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 55.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 55.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 55.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 54.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 54.500 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 4.74 | 4.74 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 54.250 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 54.000 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 53.750 | 7.28 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 53.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 53.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 53.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 52.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 52.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 4.73 | 4.73 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 52.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 52.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 51.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 51.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 51.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 51.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 50.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 50.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 4.72 | 4.72 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 50.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 50.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 49.750 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 49.500 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 49.250 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 49.000 | 7.29 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 48.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 48.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 4.71 | 4.71 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 48.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 48.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 47.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 47.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 47.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 47.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 46.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 46.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 46.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 4.70 | 4.70 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 46.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 45.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 45.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 45.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 45.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 44.750 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 44.500 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 44.250 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 4.69 | 4.69 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 44.000 | 7.30 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 43.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 43.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 43.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | 43.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 42.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 42.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 42.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 4.68 | 4.68 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 42.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 41.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 41.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 41.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 41.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 40.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 40.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 40.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 4.67 | 4.67 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 40.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 39.750 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 39.500 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 39.250 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 39.000 | 7.31 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 38.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 38.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 38.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 4.66 | 4.66 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 38.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 4.65 | 4.65 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.06 0.15 0.00 0.00 0.00 0.00 0.00 2.20 0.02 0.00 0.13 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 129 | 61.750 | 32.30 | 0.00 | 0.00 | 0.00 | 5.87 | 2.19 | 0.00 | 2.19 | 0.00 | 1.10 | 0.10 | 0.00 | 1.20 | 0.00 | 20.04 | 0.00 | 0. | 0.00 |
| 130 | 61.500 | 32.29 | 0.00 | 0.00 | 0.00 | 5.86 | 2.16 | 0.00 | 2.16 | 0.00 | 1.10 | 0.10 | 0.00 | 1.19 | 0.00 | 20.08 | 0.00 | 0. | 0.00 |
| 131 | 61.250 | 32.29 | 0.00 | 0.00 | 0.00 | 5.85 | 2.13 | 0.00 | 2.13 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.12 | 0.00 | 0. | 0.00 |
| 132 | 61.000 | 32.28 | 0.00 | 0.00 | 0.00 | 5.84 | 2.11 | 0.00 | 2.11 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.17 | 0.00 | 0. | 0.00 |
| 133 | 60.750 | 32.28 | 0.00 | 0.00 | 0.00 | 5.83 | 2.08 | 0.00 | 2.08 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.21 | 0.00 | 0. | 0.00 |
| 134 | 60.500 | 32.27 | 0.00 | 0.00 | 0.00 | 5.83 | 2.06 | 0.00 | 2.06 | 0.00 | 1.09 | 0.10 | 0.00 | 1.19 | 0.00 | 20.25 | 0.00 | 0. | 0.00 |
| 135 | 60.250 | 32.27 | 0.00 | 0.00 | 0.00 | 5.83 | 2.03 | 0.00 | 2.03 | 0.00 | 1.09 | 0.10 | 0.00 | 1.18 | 0.00 | 20.29 | 0.00 | 0. | 0.00 |
| 136 | 60.000 | 32.27 | 0.00 | 0.00 | 0.00 | 5.83 | 2.01 | 0.00 | 2.01 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.33 | 0.00 | 0. | 0.00 |
| 137 | 59.750 | 32.26 | 0.00 | 0.00 | 0.00 | 5.83 | 1.99 | 0.00 | 1.99 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.38 | 0.00 | 0. | 0.00 |
| 138 | 59.500 | 32.26 | 0.00 | 0.00 | 0.00 | 5.83 | 1.97 | 0.00 | 1.97 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.42 | 0.00 | 0. | 0.00 |
| 139 | 59.250 | 32.25 | 0.00 | 0.00 | 0.00 | 5.83 | 1.95 | 0.00 | 1.95 | 0.00 | 1.08 | 0.10 | 0.00 | 1.18 | 0.00 | 20.46 | 0.00 | 0. | 0.00 |
| 140 | 59.000 | 32.25 | 0.00 | 0.00 | 0.00 | 5.84 | 1.93 | 0.00 | 1.93 | 0.00 | 1.08 | 0.10 | 0.00 | 1.17 | 0.00 | 20.50 | 0.00 | 0. | 0.00 |
| 141 | 58.750 | 32.25 | 0.00 | 0.00 | 0.00 | 5.84 | 1.92 | 0.00 | 1.92 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.54 | 0.00 | 0. | 0.00 |
| 142 | 58.500 | 32.24 | 0.00 | 0.00 | 0.00 | 5.85 | 1.90 | 0.00 | 1.90 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.58 | 0.00 | 0. | 0.00 |
| 143 | 58.250 | 32.24 | 0.00 | 0.00 | 0.00 | 5.86 | 1.89 | 0.00 | 1.89 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.62 | 0.00 | 0. | 0.00 |
| 144 | 58.000 | 32.23 | 0.00 | 0.00 | 0.00 | 5.87 | 1.87 | 0.00 | 1.87 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 20.67 | 0.00 | 0. | 0.00 |
| 145 | 57.750 | 32.23 | 0.00 | 0.00 | 0.00 | 5.88 | 1.86 | 0.00 | 1.86 | 0.00 | 1.07 | 0.10 | 0.00 | 1.16 | 0.00 | 20.71 | 0.00 | 0. | 0.00 |
| 146 | 57.500 | 32.22 | 0.00 | 0.00 | 0.00 | 5.89 | 1.85 | 0.00 | 1.85 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.75 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | 57.250 | 32.22 | 0.00 | 0.00 | 0.00 | 5.90 | 1.83 | 0.00 | 1.83 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.79 | 0.00 | 0. | 0.00 |
| 148 | 57.000 | 32.22 | 0.00 | 0.00 | 0.00 | 5.92 | 1.82 | 0.00 | 1.82 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.83 | 0.00 | 0. | 0.00 |
| 149 | 56.750 | 32.21 | 0.00 | 0.00 | 0.00 | 5.93 | 1.81 | 0.00 | 1.81 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 20.88 | 0.00 | 0. | 0.00 |
| 150 | 56.500 | 32.21 | 0.00 | 0.00 | 0.00 | 5.95 | 1.80 | 0.00 | 1.80 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 20.92 | 0.00 | 0. | 0.00 |
| 151 | 56.250 | 32.20 | 0.00 | 0.00 | 0.00 | 5.96 | 1.79 | 0.00 | 1.79 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 20.96 | 0.00 | 0. | 0.00 |
| 152 | 56.000 | 32.20 | 0.00 | 0.00 | 0.00 | 5.98 | 1.79 | 0.00 | 1.79 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.00 | 0.00 | 0. | 0.00 |
| 153 | 55.750 | 32.20 | 0.00 | 0.00 | 0.00 | 5.99 | 1.78 | 0.00 | 1.78 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.04 | 0.00 | 0. | 0.00 |
| 154 | 55.500 | 32.19 | 0.00 | 0.00 | 0.00 | 6.01 | 1.77 | 0.00 | 1.77 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.08 | 0.00 | 0. | 0.00 |
| 155 | 55.250 | 32.19 | 0.00 | 0.00 | 0.00 | 6.03 | 1.76 | 0.00 | 1.76 | 0.00 | 1.05 | 0.10 | 0.00 | 1.15 | 0.00 | 21.12 | 0.00 | 0. | 0.00 |
| 156 | 55.000 | 32.18 | 0.00 | 0.00 | 0.00 | 6.05 | 1.75 | 0.00 | 1.75 | 0.00 | 1.05 | 0.10 | 0.00 | 1.14 | 0.00 | 21.17 | 0.00 | 0. | 0.00 |
| 157 | 54.750 | 32.18 | 0.00 | 0.00 | 0.00 | 6.07 | 1.75 | 0.00 | 1.75 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.21 | 0.00 | 0. | 0.00 |
| 158 | 54.500 | 32.17 | 0.00 | 0.00 | 0.00 | 6.09 | 1.74 | 0.00 | 1.74 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.25 | 0.00 | 0. | 0.00 |
| 159 | 54.250 | 32.17 | 0.00 | 0.00 | 0.00 | 6.11 | 1.74 | 0.00 | 1.74 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.29 | 0.00 | 0. | 0.00 |
| 160 | 54.000 | 32.17 | 0.00 | 0.00 | 0.00 | 6.13 | 1.73 | 0.00 | 1.73 | 0.00 | 1.04 | 0.10 | 0.00 | 1.14 | 0.00 | 21.33 | 0.00 | 0. | 0.00 |
| 161 | 53.750 | 32.16 | 0.00 | 0.00 | 0.00 | 6.15 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.10 | 0.00 | 1.13 | 0.00 | 21.38 | 0.00 | 0. | 0.00 |
| 162 | 53.500 | 32.16 | 0.00 | 0.00 | 0.00 | 6.17 | 1.72 | 0.00 | 1.72 | 0.00 | 1.04 | 0.10 | 0.00 | 1.13 | 0.00 | 21.42 | 0.00 | 0. | 0.00 |
| 163 | 53.250 | 32.15 | 0.00 | 0.00 | 0.00 | 6.19 | 1.72 | 0.00 | 1.72 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.46 | 0.00 | 0. | 0.00 |
| 164 | 53.000 | 32.15 | 0.00 | 0.00 | 0.00 | 6.21 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.50 | 0.00 | 0. | 0.00 |
| 165 | 52.750 | 32.15 | 0.00 | 0.00 | 0.00 | 6.24 | 1.71 | 0.00 | 1.71 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.54 | 0.00 | 0. | 0.00 |
| 166 | 52.500 | 32.14 | 0.00 | 0.00 | 0.00 | 6.26 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.13 | 0.00 | 21.58 | 0.00 | 0. | 0.00 |
| 167 | 52.250 | 32.14 | 0.00 | 0.00 | 0.00 | 6.28 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.62 | 0.00 | 0. | 0.00 |
| 168 | 52.000 | 32.13 | 0.00 | 0.00 | 0.00 | 6.30 | 1.70 | 0.00 | 1.70 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.67 | 0.00 | 0. | 0.00 |
| 169 | 51.750 | 32.13 | 0.00 | 0.00 | 0.00 | 6.33 | 1.69 | 0.00 | 1.69 | 0.00 | 1.03 | 0.10 | 0.00 | 1.12 | 0.00 | 21.71 | 0.00 | 0. | 0.00 |
| 170 | 51.500 | 32.12 | 0.00 | 0.00 | 0.00 | 6.35 | 1.69 | 0.00 | 1.69 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 21.75 | 0.00 | 0. | 0.00 |
| 171 | 51.250 | 32.12 | 0.00 | 0.00 | 0.00 | 6.37 | 1.69 | 0.00 | 1.69 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 21.79 | 0.00 | 0. | 0.00 |
| 172 | 51.000 | 32.12 | 0.00 | 0.00 | 0.00 | 6.40 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.83 | 0.00 | 0. | 0.00 |
| 173 | 50.750 | 32.11 | 0.00 | 0.00 | 0.00 | 6.42 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.88 | 0.00 | 0. | 0.00 |
| 174 | 50.500 | 32.11 | 0.00 | 0.00 | 0.00 | 6.45 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.92 | 0.00 | 0. | 0.00 |
| 175 | 50.250 | 32.10 | 0.00 | 0.00 | 0.00 | 6.47 | 1.68 | 0.00 | 1.68 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 21.96 | 0.00 | 0. | 0.00 |
| 176 | 50.000 | 32.10 | 0.00 | 0.00 | 0.00 | 6.49 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 22.00 | 0.00 | 0. | 0.00 |
| 177 | 49.750 | 32.10 | 0.00 | 0.00 | 0.00 | 6.52 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 22.04 | 0.00 | 0. | 0.00 |
| 178 | 49.500 | 32.09 | 0.00 | 0.00 | 0.00 | 6.54 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.08 | 0.00 | 0. | 0.00 |
| 179 | 49.250 | 32.09 | 0.00 | 0.00 | 0.00 | 6.57 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.12 | 0.00 | 0. | 0.00 |
| 180 | 49.000 | 32.08 | 0.00 | 0.00 | 0.00 | 6.59 | 1.67 | 0.00 | 1.67 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 22.17 | 0.00 | 0. | 0.00 |
| 181 | 48.750 | 32.08 | 0.00 | 0.00 | 0.00 | 7.05 | 2.32 | 0.00 | 2.32 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.21 | 0.00 | 0. | 0.00 |
| 182 | 48.500 | 32.08 | 0.00 | 0.00 | 0.00 | 7.03 | 2.28 | 0.00 | 2.28 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.25 | 0.00 | 0. | 0.00 |
| 183 | 48.250 | 32.07 | 0.00 | 0.00 | 0.00 | 7.02 | 2.25 | 0.00 | 2.25 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 22.29 | 0.00 | 0. | 0.00 |
| 184 | 48.000 | 32.07 | 0.00 | 0.00 | 0.00 | 7.01 | 2.22 | 0.00 | 2.22 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.33 | 0.00 | 0. | 0.00 |
| 185 | 47.750 | 32.06 | 0.00 | 0.00 | 0.00 | 7.00 | 2.20 | 0.00 | 2.20 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.38 | 0.00 | 0. | 0.00 |
| 186 | 47.500 | 32.06 | 0.00 | 0.00 | 0.00 | 7.00 | 2.17 | 0.00 | 2.17 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.42 | 0.00 | 0. | 0.00 |
| 187 | 47.250 | 32.05 | 0.00 | 0.00 | 0.00 | 6.99 | 2.15 | 0.00 | 2.15 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 22.46 | 0.00 | 0. | 0.00 |
| 188 | 47.000 | 32.05 | 0.00 | 0.00 | 0.00 | 6.99 | 2.12 | 0.00 | 2.12 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.50 | 0.00 | 0. | 0.00 |
| 189 | 46.750 | 32.05 | 0.00 | 0.00 | 0.00 | 6.99 | 2.10 | 0.00 | 2.10 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.54 | 0.00 | 0. | 0.00 |
| 190 | 46.500 | 32.04 | 0.00 | 0.00 | 0.00 | 6.99 | 2.08 | 0.00 | 2.08 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 22.58 | 0.00 | 0. | 0.00 |
| 191 | 46.250 | 32.04 | 0.00 | 0.00 | 0.00 | 6.99 | 2.06 | 0.00 | 2.06 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.62 | 0.00 | 0. | 0.00 |
| 192 | 46.000 | 32.03 | 0.00 | 0.00 | 0.00 | 6.99 | 2.04 | 0.00 | 2.04 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.67 | 0.00 | 0. | 0.00 |
| 193 | 45.750 | 32.03 | 0.00 | 0.00 | 0.00 | 7.00 | 2.02 | 0.00 | 2.02 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.71 | 0.00 | 0. | 0.00 |
| 194 | 45.500 | 32.02 | 0.00 | 0.00 | 0.00 | 7.00 | 2.00 | 0.00 | 2.00 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 22.75 | 0.00 | 0. | 0.00 |
| 195 | 45.250 | 32.02 | 0.00 | 0.00 | 0.00 | 7.01 | 1.99 | 0.00 | 1.99 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 22.79 | 0.00 | 0. | 0.00 |
| 196 | 45.000 | 32.02 | 0.00 | 0.00 | 0.00 | 7.02 | 1.97 | 0.00 | 1.97 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 22.83 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 197 | 44.750 | 32.01 | 0.00 | 0.00 | 0.00 | 7.02 | 1.95 | 0.00 | 1.95 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 22.88 | 0.00 | 0. | 0.00 |
| 198 | 44.500 | 32.01 | 0.00 | 0.00 | 0.00 | 7.03 | 1.94 | 0.00 | 1.94 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 22.92 | 0.00 | 0. | 0.00 |
| 199 | 44.250 | 32.00 | 0.00 | 0.00 | 0.00 | 7.04 | 1.93 | 0.00 | 1.93 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 22.96 | 0.00 | 0. | 0.00 |
| 200 | 44.000 | 32.00 | 0.00 | 0.00 | 0.00 | 7.05 | 1.91 | 0.00 | 1.91 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 23.00 | 0.00 | 0. | 0.00 |
| 201 | 43.750 | 32.00 | 0.00 | 0.00 | 0.00 | 7.07 | 1.90 | 0.00 | 1.90 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 23.04 | 0.00 | 0. | 0.00 |
| 202 | 43.500 | 31.99 | 0.00 | 0.00 | 0.00 | 7.08 | 1.89 | 0.00 | 1.89 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 23.08 | 0.00 | 0. | 0.00 |
| 203 | 43.250 | 31.99 | 0.00 | 0.00 | 0.00 | 7.09 | 1.88 | 0.00 | 1.88 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 23.12 | 0.00 | 0. | 0.00 |
| 204 | 43.000 | 31.98 | 0.00 | 0.00 | 0.00 | 7.11 | 1.87 | 0.00 | 1.87 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.17 | 0.00 | 0. | 0.00 |
| 205 | 42.750 | 31.98 | 0.00 | 0.00 | 0.00 | 7.12 | 1.86 | 0.00 | 1.86 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.21 | 0.00 | 0. | 0.00 |
| 206 | 42.500 | 31.98 | 0.00 | 0.00 | 0.00 | 7.14 | 1.85 | 0.00 | 1.85 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.25 | 0.00 | 0. | 0.00 |
| 207 | 42.250 | 31.97 | 0.00 | 0.00 | 0.00 | 7.15 | 1.84 | 0.00 | 1.84 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.29 | 0.00 | 0. | 0.00 |
| 208 | 42.000 | 31.97 | 0.00 | 0.00 | 0.00 | 7.17 | 1.83 | 0.00 | 1.83 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 23.33 | 0.00 | 0. | 0.00 |
| 209 | 41.750 | 31.96 | 0.00 | 0.00 | 0.00 | 7.19 | 1.82 | 0.00 | 1.82 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 23.38 | 0.00 | 0. | 0.00 |
| 210 | 41.500 | 31.96 | 0.00 | 0.00 | 0.00 | 7.20 | 1.81 | 0.00 | 1.81 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 23.42 | 0.00 | 0. | 0.00 |
| 211 | 41.250 | 31.95 | 0.00 | 0.00 | 0.00 | 7.22 | 1.80 | 0.00 | 1.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.46 | 0.00 | 0. | 0.00 |
| 212 | 41.000 | 31.95 | 0.00 | 0.00 | 0.00 | 7.24 | 1.80 | 0.00 | 1.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.50 | 0.00 | 0. | 0.00 |
| 213 | 40.750 | 31.95 | 0.00 | 0.00 | 0.00 | 7.26 | 1.79 | 0.00 | 1.79 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.54 | 0.00 | 0. | 0.00 |
| 214 | 40.500 | 31.94 | 0.00 | 0.00 | 0.00 | 7.28 | 1.78 | 0.00 | 1.78 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.58 | 0.00 | 0. | 0.00 |
| 215 | 40.250 | 31.94 | 0.00 | 0.00 | 0.00 | 7.30 | 1.78 | 0.00 | 1.78 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.62 | 0.00 | 0. | 0.00 |
| 216 | 40.000 | 31.93 | 0.00 | 0.00 | 0.00 | 7.32 | 1.77 | 0.00 | 1.77 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 23.67 | 0.00 | 0. | 0.00 |
| 217 | 39.750 | 31.93 | 0.00 | 0.00 | 0.00 | 7.34 | 1.77 | 0.00 | 1.77 | 0.00 | 1.00 | 0.09 | 0.00 | 1.10 | 0.00 | 23.71 | 0.00 | 0. | 0.00 |
| 218 | 39.500 | 31.92 | 0.00 | 0.00 | 0.00 | 7.36 | 1.76 | 0.00 | 1.76 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.75 | 0.00 | 0. | 0.00 |
| 219 | 39.250 | 31.92 | 0.00 | 0.00 | 0.00 | 7.38 | 1.76 | 0.00 | 1.76 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.79 | 0.00 | 0. | 0.00 |
| 220 | 39.000 | 31.92 | 0.00 | 0.00 | 0.00 | 7.40 | 1.75 | 0.00 | 1.75 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.83 | 0.00 | 0. | 0.00 |
| 221 | 38.750 | 31.91 | 0.00 | 0.00 | 0.00 | 7.42 | 1.75 | 0.00 | 1.75 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.88 | 0.00 | 0. | 0.00 |
| 222 | 38.500 | 31.91 | 0.00 | 0.00 | 0.00 | 7.48 | 1.73 | 0.00 | 1.73 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 23.92 | 0.00 | 0. | 0.00 |
| 223 | 38.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.55 | 1.72 | 0.00 | 1.72 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 23.96 | 0.00 | 0. | 0.00 |
| 224 | 38.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.61 | 1.72 | 0.00 | 1.72 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

FINAL REPORT ICWW — LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 8 Gulf ICWW — FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | UPR RCH | 12.72698 | 31.90 | 0.00 | 0.00 | 0.00 | 7.61 | 1.72 | 0.00 | 1.72 | 0.00 | 0.99 | 0.09 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 405 | TRIB | 2.22057 | 31.90 | 0.00 | 0.00 | 0.00 | 4.93 | 3.03 | 0.00 | 3.03 | 0.00 | 1.38 | 0.11 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| EACH | INCR | 0.02142 | 32.10 | 0.00 | 0.00 | 0.00 | 7.22 | 6.67 | 0.00 | | | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 413 | WSTLD | 1.41564 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 9.40 | 0.00 | 9.40 | 0.00 | 1.63 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | WSTLD | -0.96263 | 31.90 | 0.00 | 0.00 | 0.00 | 7.56 | 2.77 | 0.00 | 2.77 | 0.00 | 1.07 | 0.10 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 417 | WSTLD | 0.00001 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | WSTLD | 0.00005 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | WSTLD | 0.00344 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 30.80 | 0.00 | 30.80 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | WSTLD | 4.16197 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 9.80 | 0.00 | 9.80 | 0.00 | 1.34 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | WSTLD | -0.53794 | 31.90 | 0.00 | 0.00 | 0.00 | 7.78 | 3.80 | 0.00 | 3.80 | 0.00 | 1.01 | 0.09 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 493 | WSTLD | 0.45300 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 8.70 | 0.00 | 8.70 | 0.00 | 0.90 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 525 | WSTLD | 1.21745 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 8.70 | 0.00 | 8.70 | 0.00 | 0.90 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | WSTLD | -0.39638 | 31.90 | 0.00 | 0.00 | 0.00 | 7.93 | 2.56 | 0.00 | 2.56 | 0.00 | 0.89 | 0.08 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 |
| 549 | WSTLD | 0.00004 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | AREA m² | AREA m² | PRISM m³ | SURFACE VELO m/s | X-SECT VELO m²/s | TIDAL m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 38.00 | 37.75 | 14.96897 | 89.9 | 0.00751 | 0.39 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 406 | 37.75 | 37.50 | 14.99039 | 89.7 | 0.00752 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 407 | 37.50 | 37.25 | 15.01182 | 89.6 | 0.00753 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 408 | 37.25 | 37.00 | 15.03324 | 89.5 | 0.00754 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 409 | 37.00 | 36.75 | 15.05466 | 89.4 | 0.00755 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 410 | 36.75 | 36.50 | 15.07608 | 89.2 | 0.00756 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 411 | 36.50 | 36.25 | 15.09750 | 89.1 | 0.00757 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 412 | 36.25 | 36.00 | 15.11892 | 89.0 | 0.00758 | 0.38 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 413 | 36.00 | 35.75 | 15.59335 | 89.8 | 0.00782 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 414 | 35.75 | 35.50 | 15.61478 | 89.7 | 0.00783 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 415 | 35.50 | 35.25 | 15.63620 | 89.6 | 0.00784 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 416 | 35.25 | 35.00 | 15.65762 | 89.4 | 0.00785 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 417 | 35.00 | 34.75 | 15.67905 | 89.3 | 0.00786 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 418 | 34.75 | 34.50 | 15.70047 | 89.2 | 0.00787 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 419 | 34.50 | 34.25 | 15.72189 | 89.1 | 0.00788 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 420 | 34.25 | 34.00 | 15.74331 | 88.9 | 0.00789 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 421 | 34.00 | 33.75 | 15.76474 | 88.8 | 0.00791 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 422 | 33.75 | 33.50 | 15.78616 | 88.7 | 0.00792 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 423 | 33.50 | 33.25 | 15.80758 | 88.6 | 0.00793 | 0.37 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 424 | 33.25 | 33.00 | 15.82900 | 88.5 | 0.00794 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 425 | 33.00 | 32.75 | 15.85042 | 88.3 | 0.00795 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 426 | 32.75 | 32.50 | 15.87184 | 88.2 | 0.00796 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 427 | 32.50 | 32.25 | 15.89326 | 88.1 | 0.00797 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 428 | 32.25 | 32.00 | 15.91469 | 88.0 | 0.00798 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 429 | 32.00 | 31.75 | 15.93611 | 87.9 | 0.00799 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 430 | 31.75 | 31.50 | 15.95753 | 87.8 | 0.00800 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 431 | 31.50 | 31.25 | 15.97895 | 87.6 | 0.00801 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 432 | 31.25 | 31.00 | 16.00037 | 87.5 | 0.00802 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 433 | 31.00 | 30.75 | 16.02179 | 87.4 | 0.00803 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 434 | 30.75 | 30.50 | 16.04321 | 87.3 | 0.00804 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 435 | 30.50 | 30.25 | 16.06463 | 87.2 | 0.00806 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 436 | 30.25 | 30.00 | 16.08606 | 87.0 | 0.00807 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 437 | 30.00 | 29.75 | 16.10748 | 86.9 | 0.00808 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 438 | 29.75 | 29.50 | 16.12890 | 86.8 | 0.00809 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 439 | 29.50 | 29.25 | 16.15032 | 86.7 | 0.00810 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 440 | 29.25 | 29.00 | 16.17174 | 86.6 | 0.00811 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 441 | 29.00 | 28.75 | 16.19316 | 86.5 | 0.00812 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 442 | 28.75 | 28.50 | 16.21458 | 86.4 | 0.00813 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |
| 443 | 28.50 | 28.25 | 16.23601 | 86.2 | 0.00814 | 0.36 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 444 | 28.25 | 28.00 | 16.25743 | 86.1 | 0.00815 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 445 | 28.00 | 27.75 | 16.27885 | 86.0 | 0.00816 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 446 | 27.75 | 27.50 | 16.30027 | 85.9 | 0.00817 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 447 | 27.50 | 27.25 | 16.32169 | 85.8 | 0.00818 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 448 | 27.25 | 27.00 | 16.34311 | 85.7 | 0.00820 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 449 | 27.00 | 26.75 | 16.36453 | 85.6 | 0.00821 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 450 | 26.75 | 26.50 | 16.38596 | 85.5 | 0.00822 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 451 | 26.50 | 26.25 | 16.40738 | 85.3 | 0.00823 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 452 | 26.25 | 26.00 | 16.42880 | 85.2 | 0.00824 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 453 | 26.00 | 25.75 | 16.45022 | 85.1 | 0.00825 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 454 | 25.75 | 25.50 | 16.47164 | 85.0 | 0.00826 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 455 | 25.50 | 25.25 | 16.49306 | 84.9 | 0.00827 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 456 | 25.25 | 25.00 | 16.51448 | 84.8 | 0.00828 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 457 | 25.00 | 24.75 | 16.53591 | 84.7 | 0.00829 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 458 | 24.75 | 24.50 | 16.55733 | 84.6 | 0.00830 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 459 | 24.50 | 24.25 | 16.57875 | 84.5 | 0.00831 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 460 | 24.25 | 24.00 | 16.60017 | 84.4 | 0.00832 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 461 | 24.00 | 23.75 | 16.62164 | 84.2 | 0.00833 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 462 | 23.75 | 23.50 | 16.64306 | 84.1 | 0.00835 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 463 | 23.50 | 23.25 | 16.66448 | 84.0 | 0.00836 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 464 | 23.25 | 23.00 | 16.68591 | 83.9 | 0.00837 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 465 | 23.00 | 22.75 | 16.70733 | 83.8 | 0.00838 | 0.35 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 466 | 22.75 | 22.50 | 16.72875 | 83.7 | 0.00839 | 0.34 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 467 | 22.50 | 22.25 | 16.75361 | 83.6 | 0.00840 | 0.34 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 468 | 22.25 | 22.00 | 16.77503 | 83.5 | 0.00841 | 0.34 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.008 |
| 469 | 22.00 | 21.75 | 20.42048 | 86.7 | 0.01024 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 470 | 21.75 | 21.50 | 20.44190 | 86.6 | 0.01025 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 471 | 21.50 | 21.25 | 20.46333 | 86.5 | 0.01026 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 472 | 21.25 | 21.00 | 20.48475 | 86.4 | 0.01027 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 473 | 21.00 | 20.75 | 20.50617 | 86.3 | 0.01028 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 474 | 20.75 | 20.50 | 20.52759 | 86.2 | 0.01029 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 475 | 20.50 | 20.25 | 20.54901 | 86.1 | 0.01030 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 476 | 20.25 | 20.00 | 20.57043 | 86.1 | 0.01031 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 477 | 20.00 | 19.75 | 20.59185 | 86.0 | 0.01033 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 478 | 19.75 | 19.50 | 20.61328 | 85.9 | 0.01034 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 479 | 19.50 | 19.25 | 20.63470 | 85.8 | 0.01035 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 480 | 19.25 | 19.00 | 20.65612 | 85.7 | 0.01036 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 481 | 19.00 | 18.75 | 20.67754 | 85.6 | 0.01037 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 482 | 18.75 | 18.50 | 20.69896 | 85.5 | 0.01038 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 483 | 18.50 | 18.25 | 20.72038 | 85.4 | 0.01039 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 484 | 18.25 | 18.00 | 20.74180 | 85.3 | 0.01040 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 485 | 18.00 | 17.75 | 20.76323 | 85.3 | 0.01041 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 486 | 17.75 | 17.50 | 20.78465 | 85.2 | 0.01042 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 487 | 17.50 | 17.25 | 20.80607 | 85.1 | 0.01043 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 488 | 17.25 | 17.00 | 20.82749 | 85.0 | 0.01044 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 489 | 17.00 | 16.75 | 20.84891 | 84.9 | 0.01045 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 490 | 16.75 | 16.50 | 20.87033 | 84.8 | 0.01047 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 491 | 16.50 | 16.25 | 20.89175 | 84.7 | 0.01048 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 492 | 16.25 | 16.00 | 20.91318 | 84.6 | 0.01049 | 0.28 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.010 |
| 493 | 16.00 | 15.75 | 21.38760 | 84.9 | 0.01072 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 494 | 15.75 | 15.50 | 21.40902 | 84.8 | 0.01074 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 495 | 15.50 | 15.25 | 21.43044 | 84.7 | 0.01075 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 496 | 15.25 | 15.00 | 21.45186 | 84.6 | 0.01076 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 497 | 15.00 | 14.75 | 21.47328 | 84.5 | 0.01077 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 498 | 14.75 | 14.50 | 21.49470 | 84.5 | 0.01078 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 499 | 14.50 | 14.25 | 21.51612 | 84.4 | 0.01079 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 500 | 14.25 | 14.00 | 21.53755 | 84.3 | 0.01080 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 501 | 14.00 | 13.75 | 21.55897 | 84.2 | 0.01081 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 502 | 13.75 | 13.50 | 21.58039 | 84.1 | 0.01082 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 503 | 13.50 | 13.25 | 21.60181 | 84.0 | 0.01083 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 504 | 13.25 | 13.00 | 21.62323 | 84.0 | 0.01084 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 505 | 13.00 | 12.75 | 21.64465 | 83.9 | 0.01085 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 506 | 12.75 | 12.50 | 21.66607 | 83.8 | 0.01086 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 507 | 12.50 | 12.25 | 21.68750 | 83.7 | 0.01088 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 508 | 12.25 | 12.00 | 21.70892 | 83.6 | 0.01089 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 509 | 12.00 | 11.75 | 21.73034 | 83.5 | 0.01090 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 510 | 11.75 | 11.50 | 21.75176 | 83.5 | 0.01091 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 511 | 11.50 | 11.25 | 21.77318 | 83.4 | 0.01092 | 0.27 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 512 | 11.25 | 11.00 | 21.79460 | 83.3 | 0.01093 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 513 | 11.00 | 10.75 | 21.81602 | 83.2 | 0.01094 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 514 | 10.75 | 10.50 | 21.83745 | 83.1 | 0.01095 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 515 | 10.50 | 10.25 | 21.85887 | 83.1 | 0.01096 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 516 | 10.25 | 10.00 | 21.88029 | 83.0 | 0.01097 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 517 | 10.00 | 9.75 | 21.90171 | 82.9 | 0.01098 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 518 | 9.75 | 9.50 | 21.92313 | 82.8 | 0.01099 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 519 | 9.50 | 9.25 | 21.94455 | 82.7 | 0.01100 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 520 | 9.25 | 9.00 | 21.96597 | 82.7 | 0.01101 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 521 | 9.00 | 8.75 | 21.98740 | 82.6 | 0.01103 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 522 | 8.75 | 8.50 | 22.00882 | 82.5 | 0.01104 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 523 | 8.50 | 8.25 | 22.03024 | 82.4 | 0.01105 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 524 | 8.25 | 8.00 | 22.05166 | 82.3 | 0.01106 | 0.26 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.011 |
| 525 | 8.00 | 7.75 | 23.29053 | 83.2 | 0.01168 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 526 | 7.75 | 7.50 | 23.31195 | 83.1 | 0.01169 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 527 | 7.50 | 7.25 | 23.33337 | 83.0 | 0.01170 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 528 | 7.25 | 7.00 | 23.35480 | 82.9 | 0.01171 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 529 | 7.00 | 6.75 | 23.37622 | 82.9 | 0.01172 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 530 | 6.75 | 6.50 | 23.39764 | 82.8 | 0.01173 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 531 | 6.50 | 6.25 | 23.41906 | 82.7 | 0.01174 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 532 | 6.25 | 6.00 | 23.44048 | 82.6 | 0.01175 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 533 | 6.00 | 5.75 | 23.46190 | 82.6 | 0.01176 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 534 | 5.75 | 5.50 | 23.48332 | 82.5 | 0.01178 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 535 | 5.50 | 5.25 | 23.50475 | 82.4 | 0.01179 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 536 | 5.25 | 5.00 | 23.52617 | 82.3 | 0.01180 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 537 | 5.00 | 4.75 | 23.54759 | 82.3 | 0.01181 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 538 | 4.75 | 4.50 | 23.56901 | 82.2 | 0.01182 | 0.24 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 539 | 4.50 | 4.25 | 23.59043 | 82.1 | 0.01183 | 0.24 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 540 | 4.25 | 4.00 | 23.61185 | 82.0 | 0.01184 | 0.24 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 541 | 4.00 | 3.75 | 23.23689 | 82.0 | 0.01165 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 542 | 3.75 | 3.50 | 23.25832 | 81.9 | 0.01166 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 543 | 3.50 | 3.25 | 23.27974 | 81.8 | 0.01167 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 544 | 3.25 | 3.00 | 23.30116 | 81.7 | 0.01168 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 545 | 3.00 | 2.75 | 23.32258 | 81.7 | 0.01169 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 546 | 2.75 | 2.50 | 23.34400 | 81.6 | 0.01171 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 547 | 2.50 | 2.25 | 23.36542 | 81.5 | 0.01172 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 548 | 2.25 | 2.00 | 23.38684 | 81.4 | 0.01173 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 549 | 2.00 | 1.75 | 23.40831 | 81.4 | 0.01174 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 550 | 1.75 | 1.50 | 23.42973 | 81.3 | 0.01175 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 551 | 1.50 | 1.25 | 23.45115 | 81.2 | 0.01176 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 552 | 1.25 | 1.00 | 23.47257 | 81.1 | 0.01177 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 553 | 1.00 | 0.75 | 23.49399 | 81.1 | 0.01178 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 554 | 0.75 | 0.50 | 23.51541 | 81.0 | 0.01179 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 555 | 0.50 | 0.25 | 23.53683 | 80.9 | 0.01180 | 0.25 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| 556 | 0.25 | 0.00 | 23.55826 | 80.9 | 0.01181 | 0.24 | 12.80 | 155.80 | 498560.03 | 38950.00 | 1994.24 | 0.00 | 0.000 | 0.000 | 0.012 |
| TOT | | | | | 46.13 | | | | 75781128.00 | 5920400.00 | | | | | |
| AVG | | | | | 0.0095 | | 12.80 | 155.80 | | | 1994.24 | | | | |
| CUM | | | | | 410.60 | | | | | | | | | | |

********** 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 | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 37.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 406 | 37.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 407 | 37.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 408 | 37.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 409 | 36.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 410 | 36.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 411 | 36.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 412 | 36.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 413 | 35.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 414 | 35.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 415 | 35.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 416 | 35.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 417 | 34.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 418 | 34.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 419 | 34.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 420 | 34.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 421 | 33.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 422 | 33.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 423 | 33.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 424 | 33.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 425 | 32.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 426 | 32.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 427 | 32.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 428 | 32.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 429 | 31.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 430 | 31.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 31.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 31.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 30.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 30.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 30.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 30.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 29.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 29.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 29.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 29.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 28.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 28.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 28.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 28.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 27.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 27.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 27.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 27.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 26.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 26.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 26.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 26.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 25.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 25.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 25.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 25.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 24.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 24.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 24.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 24.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 23.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 23.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 23.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 23.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 22.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 22.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 22.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 22.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 21.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 21.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 21.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 21.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 20.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 20.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 20.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 20.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 19.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 19.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 19.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 480 | 19.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 18.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 18.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 18.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 18.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 17.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 17.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 487 | 17.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 17.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 16.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 16.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 16.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 16.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 15.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 15.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 15.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 15.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 14.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 14.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 14.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 14.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 13.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 13.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 13.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 13.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 12.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 12.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 12.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 12.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 11.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 11.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 11.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 11.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 10.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 10.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 10.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 10.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 9.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 9.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 9.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 9.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 8.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 8.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 8.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 8.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 7.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 7.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 7.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 7.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 6.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530 | 6.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 6.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 6.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 5.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 5.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 5.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 5.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 4.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 4.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 4.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 4.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 3.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 3.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 3.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 3.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 2.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 2.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 2.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 2.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 1.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 1.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.750 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 0.500 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.250 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.000 | 7.32 | 0.07 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.05 0.15 0.00 0.00 0.00 0.00 0.00 1.30 0.02 0.00 0.13 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 37.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.30 | 1.96 | 0.00 | 1.96 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 406 | 37.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.39 | 2.00 | 0.00 | 2.00 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 407 | 37.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.47 | 2.04 | 0.00 | 2.04 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 408 | 37.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.55 | 2.08 | 0.00 | 2.08 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 409 | 36.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.61 | 2.11 | 0.00 | 2.11 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 410 | 36.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.68 | 2.14 | 0.00 | 2.14 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 411 | 36.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.74 | 2.17 | 0.00 | 2.17 | 0.00 | 1.02 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 412 | 36.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.79 | 2.19 | 0.00 | 2.19 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 413 | 35.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.56 | 2.77 | 0.00 | 2.77 | 0.00 | 1.07 | 0.10 | 0.00 | 1.17 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 414 | 35.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.56 | 2.74 | 0.00 | 2.74 | 0.00 | 1.07 | 0.10 | 0.00 | 1.16 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 415 | 35.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.57 | 2.72 | 0.00 | 2.72 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 416 | 35.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.58 | 2.69 | 0.00 | 2.69 | 0.00 | 1.06 | 0.10 | 0.00 | 1.16 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 417 | 34.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.59 | 2.67 | 0.00 | 2.67 | 0.00 | 1.06 | 0.10 | 0.00 | 1.15 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 418 | 34.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.61 | 2.65 | 0.00 | 2.65 | 0.00 | 1.05 | 0.09 | 0.00 | 1.15 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 419 | 34.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.62 | 2.63 | 0.00 | 2.63 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 420 | 34.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.64 | 2.61 | 0.00 | 2.61 | 0.00 | 1.05 | 0.09 | 0.00 | 1.14 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 421 | 33.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.66 | 2.59 | 0.00 | 2.59 | 0.00 | 1.04 | 0.09 | 0.00 | 1.14 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 422 | 33.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.68 | 2.58 | 0.00 | 2.58 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 423 | 33.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.70 | 2.57 | 0.00 | 2.57 | 0.00 | 1.04 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 424 | 33.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.72 | 2.55 | 0.00 | 2.55 | 0.00 | 1.03 | 0.09 | 0.00 | 1.13 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 425 | 32.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.74 | 2.54 | 0.00 | 2.54 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 426 | 32.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.76 | 2.53 | 0.00 | 2.53 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 427 | 32.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.78 | 2.52 | 0.00 | 2.52 | 0.00 | 1.03 | 0.09 | 0.00 | 1.12 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 428 | 32.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.80 | 2.52 | 0.00 | 2.52 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 429 | 31.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.83 | 2.51 | 0.00 | 2.51 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 430 | 31.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.85 | 2.50 | 0.00 | 2.50 | 0.00 | 1.02 | 0.09 | 0.00 | 1.11 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 431 | 31.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.87 | 2.50 | 0.00 | 2.50 | 0.00 | 1.01 | 0.09 | 0.00 | 1.11 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 432 | 31.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.89 | 2.49 | 0.00 | 2.49 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 433 | 30.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.92 | 2.48 | 0.00 | 2.48 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 434 | 30.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.94 | 2.48 | 0.00 | 2.48 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 435 | 30.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.96 | 2.48 | 0.00 | 2.48 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 436 | 30.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.98 | 2.47 | 0.00 | 2.47 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 437 | 29.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.00 | 2.47 | 0.00 | 2.47 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 438 | 29.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.03 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 439 | 29.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.05 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 440 | 29.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.07 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 441 | 28.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.09 | 2.46 | 0.00 | 2.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 442 | 28.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.11 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 443 | 28.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.13 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 444 | 28.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.15 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 445 | 27.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.17 | 2.45 | 0.00 | 2.45 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 446 | 27.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.19 | 2.45 | 0.00 | 2.45 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 447 | 27.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.21 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 448 | 27.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.23 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 449 | 26.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.25 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 450 | 26.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.27 | 2.44 | 0.00 | 2.44 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 451 | 26.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.29 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 452 | 26.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.31 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 453 | 25.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.32 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 454 | 25.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.34 | 2.44 | 0.00 | 2.44 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 455 | 25.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.36 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 456 | 25.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.38 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 457 | 24.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.39 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 458 | 24.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.41 | 2.44 | 0.00 | 2.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 459 | 24.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.42 | 2.43 | 0.00 | 2.43 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 460 | 24.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.44 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 461 | 23.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.46 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 462 | 23.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.47 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 463 | 23.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.49 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 464 | 23.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.50 | 2.43 | 0.00 | 2.43 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 465 | 22.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.52 | 2.43 | 0.00 | 2.43 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 466 | 22.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.53 | 2.43 | 0.00 | 2.43 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 467 | 22.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.54 | 2.44 | 0.00 | 2.44 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 468 | 22.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.55 | 2.44 | 0.00 | 2.44 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 469 | 21.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.78 | 3.80 | 0.00 | 3.80 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 470 | 21.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.71 | 3.71 | 0.00 | 3.71 | 0.00 | 1.01 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 471 | 21.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.65 | 3.62 | 0.00 | 3.62 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 472 | 21.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.60 | 3.54 | 0.00 | 3.54 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 473 | 20.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.55 | 3.46 | 0.00 | 3.46 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 474 | 20.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.52 | 3.39 | 0.00 | 3.39 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 475 | 20.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.48 | 3.32 | 0.00 | 3.32 | 0.00 | 1.00 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 476 | 20.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.45 | 3.26 | 0.00 | 3.26 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 477 | 19.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.43 | 3.20 | 0.00 | 3.20 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 478 | 19.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.41 | 3.15 | 0.00 | 3.15 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 479 | 19.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.40 | 3.10 | 0.00 | 3.10 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 480 | 19.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.38 | 3.06 | 0.00 | 3.06 | 0.00 | 0.99 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 481 | 18.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.38 | 3.01 | 0.00 | 3.01 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 482 | 18.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.37 | 2.97 | 0.00 | 2.97 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 483 | 18.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.37 | 2.94 | 0.00 | 2.94 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 484 | 18.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.37 | 2.90 | 0.00 | 2.90 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 485 | 17.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.37 | 2.87 | 0.00 | 2.87 | 0.00 | 0.98 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 486 | 17.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.37 | 2.84 | 0.00 | 2.84 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 487 | 17.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.38 | 2.81 | 0.00 | 2.81 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 488 | 17.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.39 | 2.79 | 0.00 | 2.79 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 489 | 16.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.40 | 2.76 | 0.00 | 2.76 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 490 | 16.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.41 | 2.74 | 0.00 | 2.74 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 491 | 16.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.42 | 2.72 | 0.00 | 2.72 | 0.00 | 0.97 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 492 | 16.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.43 | 2.70 | 0.00 | 2.70 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 493 | 15.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.39 | 2.80 | 0.00 | 2.80 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 494 | 15.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.40 | 2.77 | 0.00 | 2.77 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 495 | 15.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.41 | 2.75 | 0.00 | 2.75 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 496 | 15.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.42 | 2.73 | 0.00 | 2.73 | 0.00 | 0.96 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 497 | 14.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.43 | 2.71 | 0.00 | 2.71 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 498 | 14.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.44 | 2.69 | 0.00 | 2.69 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 499 | 14.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.46 | 2.67 | 0.00 | 2.67 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 500 | 14.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.47 | 2.66 | 0.00 | 2.66 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 501 | 13.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.49 | 2.64 | 0.00 | 2.64 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 502 | 13.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.50 | 2.63 | 0.00 | 2.63 | 0.00 | 0.95 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 503 | 13.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.52 | 2.62 | 0.00 | 2.62 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 504 | 13.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.54 | 2.60 | 0.00 | 2.60 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 505 | 12.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.56 | 2.59 | 0.00 | 2.59 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 506 | 12.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.57 | 2.58 | 0.00 | 2.58 | 0.00 | 0.94 | 0.09 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 507 | 12.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.59 | 2.57 | 0.00 | 2.57 | 0.00 | 0.94 | 0.09 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 508 | 12.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.61 | 2.56 | 0.00 | 2.56 | 0.00 | 0.94 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 509 | 11.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.63 | 2.55 | 0.00 | 2.55 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 510 | 11.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.65 | 2.55 | 0.00 | 2.55 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 511 | 11.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.67 | 2.54 | 0.00 | 2.54 | 0.00 | 0.93 | 0.08 | 0.00 | 1.02 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 512 | 11.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.69 | 2.53 | 0.00 | 2.53 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 513 | 10.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.71 | 2.52 | 0.00 | 2.52 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 514 | 10.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.73 | 2.52 | 0.00 | 2.52 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 515 | 10.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.75 | 2.51 | 0.00 | 2.51 | 0.00 | 0.93 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 516 | 10.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.77 | 2.51 | 0.00 | 2.51 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 517 | 9.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.79 | 2.50 | 0.00 | 2.50 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 518 | 9.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.81 | 2.50 | 0.00 | 2.50 | 0.00 | 0.92 | 0.08 | 0.00 | 1.01 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 519 | 9.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.83 | 2.49 | 0.00 | 2.49 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 520 | 9.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.85 | 2.49 | 0.00 | 2.49 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 521 | 8.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.87 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 522 | 8.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.89 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 523 | 8.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.91 | 2.48 | 0.00 | 2.48 | 0.00 | 0.92 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 524 | 8.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.93 | 2.47 | 0.00 | 2.47 | 0.00 | 0.91 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 525 | 7.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.78 | 2.78 | 0.00 | 2.78 | 0.00 | 0.91 | 0.08 | 0.00 | 1.00 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 526 | 7.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.78 | 2.76 | 0.00 | 2.76 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 527 | 7.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.79 | 2.74 | 0.00 | 2.74 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 528 | 7.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.79 | 2.72 | 0.00 | 2.72 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 529 | 6.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.80 | 2.70 | 0.00 | 2.70 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 530 | 6.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.81 | 2.68 | 0.00 | 2.68 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 531 | 6.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.81 | 2.67 | 0.00 | 2.67 | 0.00 | 0.91 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 532 | 6.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.82 | 2.65 | 0.00 | 2.65 | 0.00 | 0.90 | 0.08 | 0.00 | 0.99 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 533 | 5.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.83 | 2.64 | 0.00 | 2.64 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 534 | 5.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.84 | 2.63 | 0.00 | 2.63 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 535 | 5.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.85 | 2.62 | 0.00 | 2.62 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 536 | 5.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.87 | 2.60 | 0.00 | 2.60 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 537 | 4.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.88 | 2.59 | 0.00 | 2.59 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 538 | 4.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.89 | 2.58 | 0.00 | 2.58 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 539 | 4.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.90 | 2.57 | 0.00 | 2.57 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 540 | 4.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.92 | 2.57 | 0.00 | 2.57 | 0.00 | 0.90 | 0.08 | 0.00 | 0.98 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 541 | 3.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.93 | 2.56 | 0.00 | 2.56 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 542 | 3.500 | 31.90 | 0.00 | 0.00 | 0.00 | 7.94 | 2.55 | 0.00 | 2.55 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 543 | 3.250 | 31.90 | 0.00 | 0.00 | 0.00 | 7.96 | 2.54 | 0.00 | 2.54 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 544 | 3.000 | 31.90 | 0.00 | 0.00 | 0.00 | 7.97 | 2.53 | 0.00 | 2.53 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 545 | 2.750 | 31.90 | 0.00 | 0.00 | 0.00 | 7.99 | 2.53 | 0.00 | 2.53 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 546 | 2.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.00 | 2.52 | 0.00 | 2.52 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 547 | 2.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.02 | 2.52 | 0.00 | 2.52 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 548 | 2.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.03 | 2.51 | 0.00 | 2.51 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 549 | 1.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.05 | 2.51 | 0.00 | 2.51 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 550 | 1.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.06 | 2.50 | 0.00 | 2.50 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 551 | 1.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.08 | 2.50 | 0.00 | 2.50 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 552 | 1.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.09 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 553 | 0.750 | 31.90 | 0.00 | 0.00 | 0.00 | 8.11 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 554 | 0.500 | 31.90 | 0.00 | 0.00 | 0.00 | 8.12 | 2.49 | 0.00 | 2.49 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 555 | 0.250 | 31.90 | 0.00 | 0.00 | 0.00 | 8.14 | 2.48 | 0.00 | 2.48 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |
| 556 | 0.000 | 31.90 | 0.00 | 0.00 | 0.00 | 8.15 | 2.48 | 0.00 | 2.48 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 24.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL calibration for Gulf ICWW and Bayou Black
ICWW FTN Field Survey calibration

TRAVEL TIME = 410.60 DAYS

MAXIMUM EFFLUENT = 97.41 PERCENT

FLOW = 0.28132 TO 49.45604 $m^3/s$

DISPERSION = 0.0000 TO 0.0000 m²/s
VELOCITY = 0.00017 TO 0.01772 m/s
DEPTH = 9.30 TO 13.35 m
WIDTH = 155.80 TO 395.30 m

BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.27 TO 0.29 per day
SOD = 2.03 TO 4.77 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.07 TO 0.09 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 31.22 TO 32.30 deg C
DISSOLVED OXYGEN = 5.03 TO 8.78 mg/L

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 5 Bayou Black FTN Field Survey calibration

********** 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 | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | HDWTR | 0.00700 | 32.00 | 0.00 | 0.00 | 0.00 | 5.00 | 9.75 | 0.00 | 9.75 | 0.00 | 1.41 | 0.30 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00400 | 29.70 | 0.00 | 0.00 | 0.00 | 5.00 | 3.70 | 0.00 | | | 1.10 | 0.10 | 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 VELO m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 45.00 | 44.75 | 0.01100 | 0.0 | 0.00001 | 236.47 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 226 | 44.75 | 44.50 | 0.01500 | 0.0 | 0.00002 | 173.41 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 227 | 44.50 | 44.25 | 0.01900 | 0.0 | 0.00002 | 136.90 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 228 | 44.25 | 44.00 | 0.02300 | 0.0 | 0.00003 | 113.09 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 229 | 44.00 | 43.75 | 0.02700 | 0.0 | 0.00003 | 96.34 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 230 | 43.75 | 43.50 | 0.03100 | 0.0 | 0.00003 | 83.91 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 231 | 43.50 | 43.25 | 0.03500 | 0.0 | 0.00004 | 74.32 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 232 | 43.25 | 43.00 | 0.03900 | 0.0 | 0.00004 | 66.70 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 233 | 43.00 | 42.75 | 0.04300 | 0.0 | 0.00005 | 60.49 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 234 | 42.75 | 42.50 | 0.04700 | 0.0 | 0.00005 | 55.34 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 235 | 42.50 | 42.25 | 0.05100 | 0.0 | 0.00006 | 51.00 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 236 | 42.25 | 42.00 | 0.05500 | 0.0 | 0.00006 | 47.29 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 237 | 42.00 | 41.75 | 0.05900 | 0.0 | 0.00007 | 44.09 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 238 | 41.75 | 41.50 | 0.06300 | 0.0 | 0.00007 | 41.29 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 239 | 41.50 | 41.25 | 0.06700 | 0.0 | 0.00007 | 38.82 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 240 | 41.25 | 41.00 | 0.07100 | 0.0 | 0.00008 | 36.64 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 241 | 41.00 | 40.75 | 0.07500 | 0.0 | 0.00008 | 34.68 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 242 | 40.75 | 40.50 | 0.07900 | 0.0 | 0.00009 | 32.93 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 243 | 40.50 | 40.25 | 0.08300 | 0.0 | 0.00009 | 31.34 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 244 | 40.25 | 40.00 | 0.08700 | 0.0 | 0.00010 | 29.90 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 245 | 40.00 | 39.75 | 0.09100 | 0.0 | 0.00010 | 28.58 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 246 | 39.75 | 39.50 | 0.09500 | 0.0 | 0.00011 | 27.38 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 247 | 39.50 | 39.25 | 0.09900 | 0.0 | 0.00011 | 26.27 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 248 | 39.25 | 39.00 | 0.10300 | 0.0 | 0.00011 | 25.25 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |
| 249 | 39.00 | 38.75 | 0.10700 | 0.0 | 0.00012 | 24.31 | 4.57 | 196.71 | 224741.20 | 49177.50 | 898.96 | 0.00 | 0.000 | 0.000 | 0.000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| TOT | | | 1616.76 | | 5618529.50 | 1229437.50 |
| AVG | | 0.0000 | | 4.57 | 196.71 | 898.96 |
| CUM | | | 1616.76 | | | |

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

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | SRCE 1/da | NH3 RATE 1/da | NH3 SRCE 1/da | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 44.750 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 44.500 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 44.250 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 44.000 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 43.750 | 7.29 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 43.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 43.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 43.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 42.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 42.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 42.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 42.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 41.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 41.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 41.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 41.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 40.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 40.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 40.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 40.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 39.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 39.500 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 39.250 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 39.000 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 38.750 | 7.30 | 0.19 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.15 0.15 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 #/100mL | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 44.750 | 32.10 | 0.00 | 0.00 | 0.00 | 10.88 | 0.26 | 0.00 | 0.26 | 0.00 | 0.21 | 0.01 | 0.00 | 0.22 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 226 | 44.500 | 32.09 | 0.00 | 0.00 | 0.00 | 11.16 | 0.17 | 0.00 | 0.17 | 0.00 | 0.11 | 0.01 | 0.00 | 0.11 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 227 | 44.250 | 32.09 | 0.00 | 0.00 | 0.00 | 11.17 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.10 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 228 | 44.000 | 32.08 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.10 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 229 | 43.750 | 32.08 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 230 | 43.500 | 32.08 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 231 | 43.250 | 32.07 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 232 | 43.000 | 32.07 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 233 | 42.750 | 32.06 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 234 | 42.500 | 32.06 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 235 | 42.250 | 32.06 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 236 | 42.000 | 32.05 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 237 | 41.750 | 32.05 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 238 | 41.500 | 32.04 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 239 | 41.250 | 32.04 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 240 | 41.000 | 32.04 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 241 | 40.750 | 32.03 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 242 | 40.500 | 32.03 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 243 | 40.250 | 32.02 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 244 | 40.000 | 32.02 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 245 | 39.750 | 32.02 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 246 | 39.500 | 32.01 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 247 | 39.250 | 32.01 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 248 | 39.000 | 32.00 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |
| 249 | 38.750 | 32.00 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.00 | 25.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 6 Bayou Black FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | UPR RCH | 0.10700 | 32.00 | 0.00 | 0.00 | 0.00 | 11.18 | 0.17 | 0.00 | 0.17 | 0.00 | 0.09 | 0.01 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00286 | 29.70 | 0.00 | 0.00 | 0.00 | 5.00 | 3.70 | 0.00 | | 1.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 260 | WSTLD | 0.00014 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | WSTLD | 0.00004 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

278 WSTLD 0.00150 31.20 0.00 0.00 0.00 5.00 24.70 0.00 24.70 0.00 1.40 1.50 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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 38.75 | 38.50 | 0.10986 | 0.0 | 0.00304 | 0.95 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 251 | 38.50 | 38.25 | 0.11271 | 0.0 | 0.00312 | 0.93 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 252 | 38.25 | 38.00 | 0.11557 | 0.0 | 0.00320 | 0.91 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 253 | 38.00 | 37.75 | 0.11843 | 0.0 | 0.00328 | 0.88 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 254 | 37.75 | 37.50 | 0.12129 | 0.0 | 0.00335 | 0.86 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 255 | 37.50 | 37.25 | 0.12414 | 0.0 | 0.00343 | 0.84 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.003 | | | | |
| 256 | 37.25 | 37.00 | 0.12700 | 0.0 | 0.00351 | 0.82 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 257 | 37.00 | 36.75 | 0.12986 | 0.0 | 0.00359 | 0.81 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 258 | 36.75 | 36.50 | 0.13271 | 0.0 | 0.00367 | 0.79 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 259 | 36.50 | 36.25 | 0.13557 | 0.0 | 0.00375 | 0.77 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 260 | 36.25 | 36.00 | 0.13857 | 0.1 | 0.00383 | 0.76 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 261 | 36.00 | 35.75 | 0.14143 | 0.1 | 0.00391 | 0.74 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 262 | 35.75 | 35.50 | 0.14428 | 0.1 | 0.00399 | 0.73 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 263 | 35.50 | 35.25 | 0.14714 | 0.1 | 0.00407 | 0.71 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 264 | 35.25 | 35.00 | 0.15000 | 0.1 | 0.00415 | 0.70 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 265 | 35.00 | 34.75 | 0.15285 | 0.1 | 0.00423 | 0.68 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 266 | 34.75 | 34.50 | 0.15571 | 0.1 | 0.00431 | 0.67 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 267 | 34.50 | 34.25 | 0.15857 | 0.1 | 0.00439 | 0.66 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 268 | 34.25 | 34.00 | 0.16147 | 0.1 | 0.00447 | 0.65 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.004 | | | | |
| 269 | 34.00 | 33.75 | 0.16432 | 0.1 | 0.00454 | 0.64 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 270 | 33.75 | 33.50 | 0.16718 | 0.1 | 0.00462 | 0.63 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 271 | 33.50 | 33.25 | 0.17004 | 0.1 | 0.00470 | 0.62 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 272 | 33.25 | 33.00 | 0.17289 | 0.1 | 0.00478 | 0.61 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 273 | 33.00 | 32.75 | 0.17575 | 0.1 | 0.00486 | 0.60 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 274 | 32.75 | 32.50 | 0.17861 | 0.1 | 0.00494 | 0.59 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 275 | 32.50 | 32.25 | 0.18147 | 0.1 | 0.00502 | 0.58 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 276 | 32.25 | 32.00 | 0.18432 | 0.1 | 0.00510 | 0.57 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 277 | 32.00 | 31.75 | 0.18718 | 0.1 | 0.00518 | 0.56 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 278 | 31.75 | 31.50 | 0.19154 | 0.9 | 0.00530 | 0.55 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 279 | 31.50 | 31.25 | 0.19439 | 0.9 | 0.00538 | 0.54 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 280 | 31.25 | 31.00 | 0.19725 | 0.9 | 0.00546 | 0.53 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.005 | | | | |
| 281 | 31.00 | 30.75 | 0.20011 | 0.8 | 0.00553 | 0.52 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 | | | | |
| 282 | 30.75 | 30.50 | 0.20297 | 0.8 | 0.00561 | 0.52 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 | | | | |
| 283 | 30.50 | 30.25 | 0.20582 | 0.8 | 0.00569 | 0.51 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 | | | | |
| 284 | 30.25 | 30.00 | 0.20868 | 0.8 | 0.00577 | 0.50 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 | | | | |
| TOT | | | | | 23.89 | | | | 316375.50 | 272737.50 | | | | | | | | | |
| AVG | | | | 0.0042 | | | 1.16 | 31.17 | | | 36.16 | | | | | | | | |
| CUM | | | | | 1640.65 | | | | | | | | | | | | | | |

********** 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 * | CORR DECAY 1/da | ORGN SETT * | ORGN DECAY ** | NH3 SRCE ** | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD 1/da | ALG PROD 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 38.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 38.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 38.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 37.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 37.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 37.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 37.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 36.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 36.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 36.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 36.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 35.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 35.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 35.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 35.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 34.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 34.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 34.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 34.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 33.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 33.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 33.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 33.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 32.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 32.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 32.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 32.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 31.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 31.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 31.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 31.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 30.750 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 30.500 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 30.250 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 30.000 | 7.30 | 0.75 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.60 | 0.15 | 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 | ENDING | TEMP | SALN | CM-I | CM-II | DO | BOD#1 | BOD#2 | EBOD#1 | EBOD#2 | ORGN | NH3 | NO3+2 | TOTN | PHOS | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | DEG C | PPT | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | g/m³ | #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 38.500 | 32.00 | 0.00 | 0.00 | 0.00 | 9.27 | 0.82 | 0.00 | 0.82 | 0.00 | 0.14 | 0.01 | 0.00 | 0.14 | 0.00 | 25.71 | 0.00 | 0. | 0.00 |
| 251 | 38.250 | 32.00 | 0.00 | 0.00 | 0.00 | 8.15 | 1.32 | 0.00 | 1.32 | 0.00 | 0.18 | 0.01 | 0.00 | 0.19 | 0.00 | 26.43 | 0.00 | 0. | 0.00 |
| 252 | 38.000 | 32.00 | 0.00 | 0.00 | 0.00 | 7.48 | 1.71 | 0.00 | 1.71 | 0.00 | 0.22 | 0.01 | 0.00 | 0.23 | 0.00 | 27.14 | 0.00 | 0. | 0.00 |
| 253 | 37.750 | 32.00 | 0.00 | 0.00 | 0.00 | 7.07 | 2.01 | 0.00 | 2.01 | 0.00 | 0.26 | 0.01 | 0.00 | 0.27 | 0.00 | 27.86 | 0.00 | 0. | 0.00 |
| 254 | 37.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.81 | 2.24 | 0.00 | 2.24 | 0.00 | 0.29 | 0.02 | 0.00 | 0.31 | 0.00 | 28.57 | 0.00 | 0. | 0.00 |
| 255 | 37.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.65 | 2.42 | 0.00 | 2.42 | 0.00 | 0.33 | 0.02 | 0.00 | 0.35 | 0.00 | 29.29 | 0.00 | 0. | 0.00 |
| 256 | 37.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.55 | 2.56 | 0.00 | 2.56 | 0.00 | 0.36 | 0.02 | 0.00 | 0.38 | 0.00 | 30.00 | 0.00 | 0. | 0.00 |
| 257 | 36.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.50 | 2.68 | 0.00 | 2.68 | 0.00 | 0.39 | 0.02 | 0.00 | 0.41 | 0.00 | 30.71 | 0.00 | 0. | 0.00 |
| 258 | 36.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.46 | 2.77 | 0.00 | 2.77 | 0.00 | 0.41 | 0.02 | 0.00 | 0.44 | 0.00 | 31.43 | 0.00 | 0. | 0.00 |
| 259 | 36.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.45 | 2.84 | 0.00 | 2.84 | 0.00 | 0.44 | 0.03 | 0.00 | 0.46 | 0.00 | 32.14 | 0.00 | 0. | 0.00 |
| 260 | 36.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.44 | 2.93 | 0.00 | 2.93 | 0.00 | 0.46 | 0.03 | 0.00 | 0.49 | 0.00 | 32.86 | 0.00 | 0. | 0.00 |
| 261 | 35.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.45 | 2.97 | 0.00 | 2.97 | 0.00 | 0.49 | 0.03 | 0.00 | 0.52 | 0.00 | 33.57 | 0.00 | 0. | 0.00 |
| 262 | 35.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.46 | 3.00 | 0.00 | 3.00 | 0.00 | 0.51 | 0.03 | 0.00 | 0.54 | 0.00 | 34.29 | 0.00 | 0. | 0.00 |
| 263 | 35.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.48 | 3.03 | 0.00 | 3.03 | 0.00 | 0.53 | 0.03 | 0.00 | 0.56 | 0.00 | 35.00 | 0.00 | 0. | 0.00 |
| 264 | 35.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.50 | 3.05 | 0.00 | 3.05 | 0.00 | 0.55 | 0.03 | 0.00 | 0.58 | 0.00 | 35.71 | 0.00 | 0. | 0.00 |
| 265 | 34.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.53 | 3.07 | 0.00 | 3.07 | 0.00 | 0.56 | 0.03 | 0.00 | 0.60 | 0.00 | 36.43 | 0.00 | 0. | 0.00 |
| 266 | 34.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.56 | 3.08 | 0.00 | 3.08 | 0.00 | 0.58 | 0.03 | 0.00 | 0.62 | 0.00 | 37.14 | 0.00 | 0. | 0.00 |
| 267 | 34.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.59 | 3.09 | 0.00 | 3.09 | 0.00 | 0.60 | 0.04 | 0.00 | 0.63 | 0.00 | 37.86 | 0.00 | 0. | 0.00 |
| 268 | 34.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.62 | 3.11 | 0.00 | 3.11 | 0.00 | 0.61 | 0.04 | 0.00 | 0.65 | 0.00 | 38.57 | 0.00 | 0. | 0.00 |
| 269 | 33.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.65 | 3.12 | 0.00 | 3.12 | 0.00 | 0.63 | 0.04 | 0.00 | 0.66 | 0.00 | 39.29 | 0.00 | 0. | 0.00 |
| 270 | 33.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.69 | 3.12 | 0.00 | 3.12 | 0.00 | 0.64 | 0.04 | 0.00 | 0.68 | 0.00 | 40.00 | 0.00 | 0. | 0.00 |
| 271 | 33.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.72 | 3.13 | 0.00 | 3.13 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 40.71 | 0.00 | 0. | 0.00 |
| 272 | 33.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.76 | 3.13 | 0.00 | 3.13 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 41.43 | 0.00 | 0. | 0.00 |
| 273 | 32.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.79 | 3.13 | 0.00 | 3.13 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 42.14 | 0.00 | 0. | 0.00 |
| 274 | 32.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.83 | 3.14 | 0.00 | 3.14 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 42.86 | 0.00 | 0. | 0.00 |
| 275 | 32.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.87 | 3.14 | 0.00 | 3.14 | 0.00 | 0.70 | 0.04 | 0.00 | 0.74 | 0.00 | 43.57 | 0.00 | 0. | 0.00 |
| 276 | 32.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.90 | 3.14 | 0.00 | 3.14 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.29 | 0.00 | 0. | 0.00 |
| 277 | 31.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.94 | 3.14 | 0.00 | 3.14 | 0.00 | 0.72 | 0.04 | 0.00 | 0.76 | 0.00 | 45.00 | 0.00 | 0. | 0.00 |
| 278 | 31.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.95 | 3.29 | 0.00 | 3.29 | 0.00 | 0.73 | 0.05 | 0.00 | 0.79 | 0.00 | 45.71 | 0.00 | 0. | 0.00 |
| 279 | 31.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.97 | 3.27 | 0.00 | 3.27 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 46.43 | 0.00 | 0. | 0.00 |
| 280 | 31.000 | 32.00 | 0.00 | 0.00 | 0.00 | 7.01 | 3.26 | 0.00 | 3.26 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.14 | 0.00 | 0. | 0.00 |
| 281 | 30.750 | 32.00 | 0.00 | 0.00 | 0.00 | 7.05 | 3.24 | 0.00 | 3.24 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 47.86 | 0.00 | 0. | 0.00 |
| 282 | 30.500 | 32.00 | 0.00 | 0.00 | 0.00 | 7.09 | 3.23 | 0.00 | 3.23 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 48.57 | 0.00 | 0. | 0.00 |
| 283 | 30.250 | 32.00 | 0.00 | 0.00 | 0.00 | 7.13 | 3.22 | 0.00 | 3.22 | 0.00 | 0.78 | 0.05 | 0.00 | 0.82 | 0.00 | 49.29 | 0.00 | 0. | 0.00 |
| 284 | 30.000 | 32.00 | 0.00 | 0.00 | 0.00 | 7.17 | 3.21 | 0.00 | 3.21 | 0.00 | 0.78 | 0.05 | 0.00 | 0.83 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Bayou Black LA-QUAL calibration for Gulf ICWW and Bayou Black
REACH NO. 7 Bayou Black FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | UPR RCH | 0.20868 | 32.00 | 0.00 | 0.00 | 0.00 | 7.17 | 3.21 | 0.00 | 3.21 | 0.00 | 0.78 | 0.05 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00143 | 29.70 | 0.00 | 0.00 | 0.00 | 5.00 | 3.70 | 0.00 | | 1.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 292 | WSTLD | 0.00192 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 22.90 | 0.00 | 22.90 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | WSTLD | 0.00071 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | WSTLD | 0.00018 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | WSTLD | 0.00042 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | WSTLD | 0.00566 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 25.00 | 0.00 | 25.00 | 0.00 | 1.40 | 20.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | WSTLD | 0.00160 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | WSTLD | 0.00001 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | WSTLD | 0.52662 | 31.20 | 0.00 | 0.00 | 0.00 | 10.40 | 3.00 | 0.00 | 3.00 | 0.00 | 1.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | WSTLD | 1.30238 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 4.00 | 0.00 | 4.00 | 0.00 | 1.63 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | WSTLD | 0.00039 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.63 | 1.50 | 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 | VOLUME PRISM m³ | TIDAL VELO m/s | TIDAL DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | 30.00 | 29.75 | 0.21011 | 0.8 | 0.00581 | 0.50 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 286 | 29.75 | 29.50 | 0.21155 | 0.8 | 0.00585 | 0.49 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 287 | 29.50 | 29.25 | 0.21298 | 0.8 | 0.00589 | 0.49 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 288 | 29.25 | 29.00 | 0.21441 | 0.8 | 0.00593 | 0.49 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 289 | 29.00 | 28.75 | 0.21585 | 0.8 | 0.00597 | 0.48 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 290 | 28.75 | 28.50 | 0.21728 | 0.8 | 0.00601 | 0.48 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 291 | 28.50 | 28.25 | 0.21871 | 0.8 | 0.00605 | 0.48 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 292 | 28.25 | 28.00 | 0.22207 | 1.6 | 0.00614 | 0.47 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 293 | 28.00 | 27.75 | 0.22350 | 1.6 | 0.00618 | 0.47 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 294 | 27.75 | 27.50 | 0.22493 | 1.6 | 0.00622 | 0.47 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 295 | 27.50 | 27.25 | 0.22637 | 1.6 | 0.00626 | 0.46 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 296 | 27.25 | 27.00 | 0.22780 | 1.6 | 0.00630 | 0.46 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 297 | 27.00 | 26.75 | 0.22923 | 1.6 | 0.00634 | 0.46 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 298 | 26.75 | 26.50 | 0.23067 | 1.6 | 0.00638 | 0.45 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 299 | 26.50 | 26.25 | 0.23210 | 1.6 | 0.00642 | 0.45 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 300 | 26.25 | 26.00 | 0.23353 | 1.5 | 0.00646 | 0.45 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 301 | 26.00 | 25.75 | 0.23497 | 1.5 | 0.00650 | 0.45 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.006 |
| 302 | 25.75 | 25.50 | 0.23640 | 1.5 | 0.00654 | 0.44 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 303 | 25.50 | 25.25 | 0.23783 | 1.5 | 0.00658 | 0.44 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 304 | 25.25 | 25.00 | 0.23927 | 1.5 | 0.00662 | 0.44 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 305 | 25.00 | 24.75 | 0.24070 | 1.5 | 0.00666 | 0.43 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 306 | 24.75 | 24.50 | 0.24213 | 1.5 | 0.00670 | 0.43 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 307 | 24.50 | 24.25 | 0.24357 | 1.5 | 0.00674 | 0.43 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 308 | 24.25 | 24.00 | 0.24500 | 1.5 | 0.00678 | 0.43 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 309 | 24.00 | 23.75 | 0.24643 | 1.5 | 0.00682 | 0.42 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 310 | 23.75 | 23.50 | 0.24787 | 1.5 | 0.00686 | 0.42 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 311 | 23.50 | 23.25 | 0.24930 | 1.4 | 0.00689 | 0.42 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 312 | 23.25 | 23.00 | 0.25144 | 1.7 | 0.00695 | 0.42 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 313 | 23.00 | 22.75 | 0.25288 | 1.7 | 0.00699 | 0.41 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 314 | 22.75 | 22.50 | 0.25431 | 1.7 | 0.00703 | 0.41 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 315 | 22.50 | 22.25 | 0.25574 | 1.7 | 0.00707 | 0.41 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 316 | 22.25 | 22.00 | 0.25718 | 1.7 | 0.00711 | 0.41 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 317 | 22.00 | 21.75 | 0.25861 | 1.7 | 0.00715 | 0.40 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 318 | 21.75 | 21.50 | 0.26004 | 1.7 | 0.00719 | 0.40 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 319 | 21.50 | 21.25 | 0.26148 | 1.6 | 0.00723 | 0.40 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 320 | 21.25 | 21.00 | 0.26291 | 1.6 | 0.00727 | 0.40 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 321 | 21.00 | 20.75 | 0.26434 | 1.6 | 0.00731 | 0.40 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 322 | 20.75 | 20.50 | 0.26578 | 1.6 | 0.00735 | 0.39 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 323 | 20.50 | 20.25 | 0.26721 | 1.6 | 0.00739 | 0.39 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 324 | 20.25 | 20.00 | 0.26864 | 1.6 | 0.00743 | 0.39 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 325 | 20.00 | 19.75 | 0.27008 | 1.6 | 0.00747 | 0.39 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.007 |
| 326 | 19.75 | 19.50 | 0.27151 | 1.6 | 0.00751 | 0.39 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 327 | 19.50 | 19.25 | 0.27294 | 1.6 | 0.00755 | 0.38 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 328 | 19.25 | 19.00 | 0.27438 | 1.6 | 0.00759 | 0.38 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 329 | 19.00 | 18.75 | 0.27581 | 1.6 | 0.00763 | 0.38 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 330 | 18.75 | 18.50 | 0.27724 | 1.6 | 0.00767 | 0.38 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 331 | 18.50 | 18.25 | 0.27886 | 1.6 | 0.00771 | 0.38 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 332 | 18.25 | 18.00 | 0.28029 | 1.6 | 0.00775 | 0.37 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 333 | 18.00 | 17.75 | 0.28172 | 1.6 | 0.00779 | 0.37 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 334 | 17.75 | 17.50 | 0.28316 | 1.6 | 0.00783 | 0.37 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 335 | 17.50 | 17.25 | 0.28459 | 1.6 | 0.00787 | 0.37 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 336 | 17.25 | 17.00 | 0.28602 | 1.6 | 0.00791 | 0.37 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 337 | 17.00 | 16.75 | 0.28746 | 1.6 | 0.00795 | 0.36 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 338 | 16.75 | 16.50 | 0.28889 | 1.6 | 0.00799 | 0.36 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 339 | 16.50 | 16.25 | 0.29074 | 1.7 | 0.00804 | 0.36 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 340 | 16.25 | 16.00 | 0.29218 | 1.7 | 0.00808 | 0.36 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 341 | 16.00 | 15.75 | 0.29361 | 1.7 | 0.00812 | 0.36 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 342 | 15.75 | 15.50 | 0.29504 | 1.7 | 0.00816 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 343 | 15.50 | 15.25 | 0.29648 | 1.7 | 0.00820 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 344 | 15.25 | 15.00 | 0.29791 | 1.6 | 0.00824 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 345 | 15.00 | 14.75 | 0.29934 | 1.6 | 0.00828 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 346 | 14.75 | 14.50 | 0.30078 | 1.6 | 0.00832 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 347 | 14.50 | 14.25 | 0.30221 | 1.6 | 0.00836 | 0.35 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 348 | 14.25 | 14.00 | 0.30364 | 1.6 | 0.00840 | 0.34 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 349 | 14.00 | 13.75 | 0.30508 | 1.6 | 0.00844 | 0.34 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 350 | 13.75 | 13.50 | 0.30651 | 1.6 | 0.00848 | 0.34 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 351 | 13.50 | 13.25 | 0.30794 | 1.6 | 0.00852 | 0.34 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 352 | 13.25 | 13.00 | 0.31504 | 3.4 | 0.00871 | 0.33 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 353 | 13.00 | 12.75 | 0.31647 | 3.3 | 0.00875 | 0.33 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 354 | 12.75 | 12.50 | 0.31790 | 3.3 | 0.00879 | 0.33 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 355 | 12.50 | 12.25 | 0.31934 | 3.3 | 0.00883 | 0.33 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 356 | 12.25 | 12.00 | 0.32077 | 3.3 | 0.00887 | 0.33 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 357 | 12.00 | 11.75 | 0.32220 | 3.3 | 0.00891 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 358 | 11.75 | 11.50 | 0.32364 | 3.3 | 0.00895 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 359 | 11.50 | 11.25 | 0.32507 | 3.3 | 0.00899 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 360 | 11.25 | 11.00 | 0.32650 | 3.2 | 0.00903 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 361 | 11.00 | 10.75 | 0.32794 | 3.2 | 0.00907 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 362 | 10.75 | 10.50 | 0.32937 | 3.2 | 0.00911 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 363 | 10.50 | 10.25 | 0.33080 | 3.2 | 0.00915 | 0.32 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 364 | 10.25 | 10.00 | 0.33224 | 3.2 | 0.00919 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 365 | 10.00 | 9.75 | 0.33367 | 3.2 | 0.00923 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 366 | 9.75 | 9.50 | 0.33510 | 3.2 | 0.00927 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 367 | 9.50 | 9.25 | 0.33654 | 3.1 | 0.00931 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 368 | 9.25 | 9.00 | 0.33797 | 3.1 | 0.00935 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 369 | 9.00 | 8.75 | 0.34100 | 3.6 | 0.00943 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 370 | 8.75 | 8.50 | 0.34244 | 3.6 | 0.00947 | 0.31 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 371 | 8.50 | 8.25 | 0.34387 | 3.5 | 0.00951 | 0.30 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.010 |
| 372 | 8.25 | 8.00 | 0.34531 | 3.5 | 0.00955 | 0.30 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.010 |
| 373 | 8.00 | 7.75 | 0.87337 | 61.7 | 0.02415 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 374 | 7.75 | 7.50 | 0.87480 | 61.6 | 0.02419 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 375 | 7.50 | 7.25 | 0.87623 | 61.5 | 0.02423 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 376 | 7.25 | 7.00 | 0.87767 | 61.4 | 0.02427 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 377 | 7.00 | 6.75 | 0.87910 | 61.3 | 0.02431 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 378 | 6.75 | 6.50 | 0.88053 | 61.2 | 0.02435 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 379 | 6.50 | 6.25 | 0.88197 | 61.1 | 0.02439 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 380 | 6.25 | 6.00 | 0.88340 | 61.0 | 0.02443 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 381 | 6.00 | 5.75 | 0.88483 | 60.9 | 0.02447 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.024 |
| 382 | 5.75 | 5.50 | 0.88627 | 60.8 | 0.02451 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 383 | 5.50 | 5.25 | 0.88770 | 60.7 | 0.02455 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 384 | 5.25 | 5.00 | 0.88913 | 60.6 | 0.02459 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 385 | 5.00 | 4.75 | 0.89057 | 60.5 | 0.02463 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 386 | 4.75 | 4.50 | 0.89200 | 60.4 | 0.02467 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 387 | 4.50 | 4.25 | 0.89343 | 60.3 | 0.02471 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 388 | 4.25 | 4.00 | 0.89487 | 60.2 | 0.02475 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 389 | 4.00 | 3.75 | 0.89630 | 60.1 | 0.02479 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 390 | 3.75 | 3.50 | 0.89773 | 60.0 | 0.02483 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 391 | 3.50 | 3.25 | 0.89917 | 59.9 | 0.02487 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 392 | 3.25 | 3.00 | 0.90060 | 59.8 | 0.02491 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 393 | 3.00 | 2.75 | 0.90203 | 59.7 | 0.02495 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 394 | 2.75 | 2.50 | 0.90347 | 59.6 | 0.02499 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 395 | 2.50 | 2.25 | 0.90490 | 59.5 | 0.02503 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 396 | 2.25 | 2.00 | 0.90633 | 59.4 | 0.02507 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 397 | 2.00 | 1.75 | 0.90777 | 59.4 | 0.02511 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 398 | 1.75 | 1.50 | 0.90920 | 59.3 | 0.02515 | 0.12 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 399 | 1.50 | 1.25 | 0.91063 | 59.2 | 0.02519 | 0.11 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 400 | 1.25 | 1.00 | 0.91207 | 59.1 | 0.02523 | 0.11 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.025 |
| 401 | 1.00 | 0.75 | 2.21588 | 83.1 | 0.06128 | 0.05 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.061 |
| 402 | 0.75 | 0.50 | 2.21770 | 83.0 | 0.06134 | 0.05 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.061 |
| 403 | 0.50 | 0.25 | 2.21914 | 83.0 | 0.06137 | 0.05 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.061 |
| 404 | 0.25 | 0.00 | 2.22057 | 82.9 | 0.06141 | 0.05 | 1.16 | 31.17 | 9039.30 | 7792.50 | 36.16 | 0.00 | 0.000 | 0.000 | 0.061 |
| TOT | | | | | 37.47 | | | | 1084716.88 | 935100.00 | | | | | |
| AVG | | | | | 0.0093 | | 1.16 | 31.17 | | | 36.16 | | | | |
| CUM | | | | | 1678.12 | | | | | | | | | | |

********** 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 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | 29.750 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 29.500 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 29.250 | 7.30 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 29.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 28.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 28.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 28.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 28.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 27.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 27.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 27.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 27.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 26.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 26.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 26.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 26.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 25.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 25.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 25.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 25.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 24.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 24.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 24.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 24.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 23.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 23.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 23.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 23.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 22.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 22.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 22.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 22.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 21.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 21.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 21.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 21.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 20.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 20.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 20.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 20.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 19.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 19.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 19.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 19.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 18.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 18.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 18.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 18.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 17.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 17.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 335 | 17.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 17.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 16.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 16.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 16.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 16.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 15.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 15.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 15.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 15.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 14.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 14.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 14.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 14.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 13.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 13.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 13.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 13.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 12.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 12.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 12.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 12.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 11.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 11.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 11.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 11.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 10.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 10.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 10.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 10.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 9.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 9.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 9.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 9.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 8.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 8.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 8.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 8.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 2.76 | 2.76 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 7.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 7.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 7.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 7.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 6.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 6.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 6.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 6.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 5.750 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 5.500 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 5.250 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 5.000 | 7.31 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 385 | 4.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 4.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 4.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 4.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 389 | 3.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 3.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 3.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 3.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 2.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 2.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 2.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 2.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 1.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 1.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 1.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 1.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 0.750 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 0.500 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 0.250 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 0.000 | 7.32 | 0.75 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.03 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.60 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | 29.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.79 | 2.98 | 0.00 | 2.98 | 0.00 | 0.78 | 0.05 | 0.00 | 0.83 | 0.00 | 49.78 | 0.00 | 0. | 0.00 |
| 286 | 29.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.54 | 2.79 | 0.00 | 2.79 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 49.57 | 0.00 | 0. | 0.00 |
| 287 | 29.250 | 32.00 | 0.00 | 0.00 | 0.00 | 6.37 | 2.61 | 0.00 | 2.61 | 0.00 | 0.77 | 0.05 | 0.00 | 0.82 | 0.00 | 49.35 | 0.00 | 0. | 0.00 |
| 288 | 29.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.26 | 2.47 | 0.00 | 2.47 | 0.00 | 0.77 | 0.05 | 0.00 | 0.81 | 0.00 | 49.13 | 0.00 | 0. | 0.00 |
| 289 | 28.750 | 32.00 | 0.00 | 0.00 | 0.00 | 6.20 | 2.34 | 0.00 | 2.34 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 48.92 | 0.00 | 0. | 0.00 |
| 290 | 28.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.15 | 2.23 | 0.00 | 2.23 | 0.00 | 0.76 | 0.05 | 0.00 | 0.81 | 0.00 | 48.70 | 0.00 | 0. | 0.00 |
| 291 | 28.250 | 31.99 | 0.00 | 0.00 | 0.00 | 6.13 | 2.14 | 0.00 | 2.14 | 0.00 | 0.76 | 0.05 | 0.00 | 0.80 | 0.00 | 48.48 | 0.00 | 0. | 0.00 |
| 292 | 28.000 | 31.99 | 0.00 | 0.00 | 0.00 | 6.09 | 2.21 | 0.00 | 2.21 | 0.00 | 0.76 | 0.06 | 0.00 | 0.82 | 0.00 | 48.27 | 0.00 | 0. | 0.00 |
| 293 | 27.750 | 31.99 | 0.00 | 0.00 | 0.00 | 6.07 | 2.12 | 0.00 | 2.12 | 0.00 | 0.76 | 0.06 | 0.00 | 0.81 | 0.00 | 48.05 | 0.00 | 0. | 0.00 |
| 294 | 27.500 | 31.99 | 0.00 | 0.00 | 0.00 | 6.07 | 2.04 | 0.00 | 2.04 | 0.00 | 0.75 | 0.05 | 0.00 | 0.81 | 0.00 | 47.83 | 0.00 | 0. | 0.00 |
| 295 | 27.250 | 31.99 | 0.00 | 0.00 | 0.00 | 6.07 | 1.97 | 0.00 | 1.97 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.62 | 0.00 | 0. | 0.00 |
| 296 | 27.000 | 31.99 | 0.00 | 0.00 | 0.00 | 6.07 | 1.91 | 0.00 | 1.91 | 0.00 | 0.75 | 0.05 | 0.00 | 0.80 | 0.00 | 47.40 | 0.00 | 0. | 0.00 |
| 297 | 26.750 | 31.99 | 0.00 | 0.00 | 0.00 | 6.07 | 1.86 | 0.00 | 1.86 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 47.18 | 0.00 | 0. | 0.00 |
| 298 | 26.500 | 31.99 | 0.00 | 0.00 | 0.00 | 6.08 | 1.82 | 0.00 | 1.82 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 46.97 | 0.00 | 0. | 0.00 |
| 299 | 26.250 | 31.99 | 0.00 | 0.00 | 0.00 | 6.08 | 1.78 | 0.00 | 1.78 | 0.00 | 0.74 | 0.05 | 0.00 | 0.79 | 0.00 | 46.75 | 0.00 | 0. | 0.00 |
| 300 | 26.000 | 31.99 | 0.00 | 0.00 | 0.00 | 6.09 | 1.74 | 0.00 | 1.74 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.53 | 0.00 | 0. | 0.00 |
| 301 | 25.750 | 31.99 | 0.00 | 0.00 | 0.00 | 6.09 | 1.71 | 0.00 | 1.71 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.32 | 0.00 | 0. | 0.00 |
| 302 | 25.500 | 31.99 | 0.00 | 0.00 | 0.00 | 6.09 | 1.69 | 0.00 | 1.69 | 0.00 | 0.73 | 0.05 | 0.00 | 0.78 | 0.00 | 46.10 | 0.00 | 0. | 0.00 |
| 303 | 25.250 | 31.98 | 0.00 | 0.00 | 0.00 | 6.10 | 1.66 | 0.00 | 1.66 | 0.00 | 0.73 | 0.05 | 0.00 | 0.77 | 0.00 | 45.88 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 304 | 25.000 | 31.98 | 0.00 | 0.00 | 0.00 | 6.09 | 1.64 | 0.00 | 1.64 | 0.00 | 0.72 | 0.05 | 0.00 | 0.77 | 0.00 | 45.67 | 0.00 | 0. | 0.00 |
| 305 | 24.750 | 31.98 | 0.00 | 0.00 | 0.00 | 6.09 | 1.63 | 0.00 | 1.63 | 0.00 | 0.72 | 0.05 | 0.00 | 0.77 | 0.00 | 45.45 | 0.00 | 0. | 0.00 |
| 306 | 24.500 | 31.98 | 0.00 | 0.00 | 0.00 | 6.09 | 1.61 | 0.00 | 1.61 | 0.00 | 0.72 | 0.05 | 0.00 | 0.76 | 0.00 | 45.23 | 0.00 | 0. | 0.00 |
| 307 | 24.250 | 31.98 | 0.00 | 0.00 | 0.00 | 6.09 | 1.60 | 0.00 | 1.60 | 0.00 | 0.72 | 0.05 | 0.00 | 0.76 | 0.00 | 45.02 | 0.00 | 0. | 0.00 |
| 308 | 24.000 | 31.98 | 0.00 | 0.00 | 0.00 | 6.08 | 1.59 | 0.00 | 1.59 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 44.80 | 0.00 | 0. | 0.00 |
| 309 | 23.750 | 31.98 | 0.00 | 0.00 | 0.00 | 6.08 | 1.58 | 0.00 | 1.58 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 44.58 | 0.00 | 0. | 0.00 |
| 310 | 23.500 | 31.98 | 0.00 | 0.00 | 0.00 | 6.07 | 1.57 | 0.00 | 1.57 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.37 | 0.00 | 0. | 0.00 |
| 311 | 23.250 | 31.98 | 0.00 | 0.00 | 0.00 | 6.06 | 1.56 | 0.00 | 1.56 | 0.00 | 0.71 | 0.04 | 0.00 | 0.75 | 0.00 | 44.15 | 0.00 | 0. | 0.00 |
| 312 | 23.000 | 31.98 | 0.00 | 0.00 | 0.00 | 6.05 | 1.62 | 0.00 | 1.62 | 0.00 | 0.71 | 0.05 | 0.00 | 0.76 | 0.00 | 43.93 | 0.00 | 0. | 0.00 |
| 313 | 22.750 | 31.98 | 0.00 | 0.00 | 0.00 | 6.03 | 1.61 | 0.00 | 1.61 | 0.00 | 0.71 | 0.05 | 0.00 | 0.75 | 0.00 | 43.72 | 0.00 | 0. | 0.00 |
| 314 | 22.500 | 31.98 | 0.00 | 0.00 | 0.00 | 6.02 | 1.60 | 0.00 | 1.60 | 0.00 | 0.70 | 0.05 | 0.00 | 0.75 | 0.00 | 43.50 | 0.00 | 0. | 0.00 |
| 315 | 22.250 | 31.97 | 0.00 | 0.00 | 0.00 | 6.01 | 1.59 | 0.00 | 1.59 | 0.00 | 0.70 | 0.05 | 0.00 | 0.75 | 0.00 | 43.28 | 0.00 | 0. | 0.00 |
| 316 | 22.000 | 31.97 | 0.00 | 0.00 | 0.00 | 6.00 | 1.58 | 0.00 | 1.58 | 0.00 | 0.70 | 0.05 | 0.00 | 0.74 | 0.00 | 43.07 | 0.00 | 0. | 0.00 |
| 317 | 21.750 | 31.97 | 0.00 | 0.00 | 0.00 | 5.99 | 1.57 | 0.00 | 1.57 | 0.00 | 0.70 | 0.05 | 0.00 | 0.74 | 0.00 | 42.85 | 0.00 | 0. | 0.00 |
| 318 | 21.500 | 31.97 | 0.00 | 0.00 | 0.00 | 5.98 | 1.56 | 0.00 | 1.56 | 0.00 | 0.70 | 0.04 | 0.00 | 0.74 | 0.00 | 42.63 | 0.00 | 0. | 0.00 |
| 319 | 21.250 | 31.97 | 0.00 | 0.00 | 0.00 | 5.97 | 1.55 | 0.00 | 1.55 | 0.00 | 0.69 | 0.04 | 0.00 | 0.74 | 0.00 | 42.42 | 0.00 | 0. | 0.00 |
| 320 | 21.000 | 31.97 | 0.00 | 0.00 | 0.00 | 5.97 | 1.55 | 0.00 | 1.55 | 0.00 | 0.69 | 0.04 | 0.00 | 0.74 | 0.00 | 42.20 | 0.00 | 0. | 0.00 |
| 321 | 20.750 | 31.97 | 0.00 | 0.00 | 0.00 | 5.96 | 1.54 | 0.00 | 1.54 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 41.98 | 0.00 | 0. | 0.00 |
| 322 | 20.500 | 31.97 | 0.00 | 0.00 | 0.00 | 5.95 | 1.54 | 0.00 | 1.54 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 41.77 | 0.00 | 0. | 0.00 |
| 323 | 20.250 | 31.97 | 0.00 | 0.00 | 0.00 | 5.94 | 1.53 | 0.00 | 1.53 | 0.00 | 0.69 | 0.04 | 0.00 | 0.73 | 0.00 | 41.55 | 0.00 | 0. | 0.00 |
| 324 | 20.000 | 31.97 | 0.00 | 0.00 | 0.00 | 5.93 | 1.53 | 0.00 | 1.53 | 0.00 | 0.68 | 0.04 | 0.00 | 0.73 | 0.00 | 41.33 | 0.00 | 0. | 0.00 |
| 325 | 19.750 | 31.97 | 0.00 | 0.00 | 0.00 | 5.92 | 1.53 | 0.00 | 1.53 | 0.00 | 0.68 | 0.04 | 0.00 | 0.73 | 0.00 | 41.12 | 0.00 | 0. | 0.00 |
| 326 | 19.500 | 31.97 | 0.00 | 0.00 | 0.00 | 5.91 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.90 | 0.00 | 0. | 0.00 |
| 327 | 19.250 | 31.96 | 0.00 | 0.00 | 0.00 | 5.90 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.68 | 0.00 | 0. | 0.00 |
| 328 | 19.000 | 31.96 | 0.00 | 0.00 | 0.00 | 5.89 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.47 | 0.00 | 0. | 0.00 |
| 329 | 18.750 | 31.96 | 0.00 | 0.00 | 0.00 | 5.87 | 1.52 | 0.00 | 1.52 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.25 | 0.00 | 0. | 0.00 |
| 330 | 18.500 | 31.96 | 0.00 | 0.00 | 0.00 | 5.86 | 1.51 | 0.00 | 1.51 | 0.00 | 0.68 | 0.04 | 0.00 | 0.72 | 0.00 | 40.03 | 0.00 | 0. | 0.00 |
| 331 | 18.250 | 31.96 | 0.00 | 0.00 | 0.00 | 5.85 | 1.54 | 0.00 | 1.54 | 0.00 | 0.67 | 0.04 | 0.00 | 0.72 | 0.00 | 39.82 | 0.00 | 0. | 0.00 |
| 332 | 18.000 | 31.96 | 0.00 | 0.00 | 0.00 | 5.84 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.72 | 0.00 | 39.60 | 0.00 | 0. | 0.00 |
| 333 | 17.750 | 31.96 | 0.00 | 0.00 | 0.00 | 5.82 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 39.38 | 0.00 | 0. | 0.00 |
| 334 | 17.500 | 31.96 | 0.00 | 0.00 | 0.00 | 5.81 | 1.53 | 0.00 | 1.53 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 39.17 | 0.00 | 0. | 0.00 |
| 335 | 17.250 | 31.96 | 0.00 | 0.00 | 0.00 | 5.80 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 38.95 | 0.00 | 0. | 0.00 |
| 336 | 17.000 | 31.96 | 0.00 | 0.00 | 0.00 | 5.79 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 38.73 | 0.00 | 0. | 0.00 |
| 337 | 16.750 | 31.96 | 0.00 | 0.00 | 0.00 | 5.78 | 1.52 | 0.00 | 1.52 | 0.00 | 0.67 | 0.04 | 0.00 | 0.71 | 0.00 | 38.52 | 0.00 | 0. | 0.00 |
| 338 | 16.500 | 31.95 | 0.00 | 0.00 | 0.00 | 5.77 | 1.52 | 0.00 | 1.52 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 38.30 | 0.00 | 0. | 0.00 |
| 339 | 16.250 | 31.95 | 0.00 | 0.00 | 0.00 | 5.75 | 1.55 | 0.00 | 1.55 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 38.08 | 0.00 | 0. | 0.00 |
| 340 | 16.000 | 31.95 | 0.00 | 0.00 | 0.00 | 5.74 | 1.55 | 0.00 | 1.55 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 37.87 | 0.00 | 0. | 0.00 |
| 341 | 15.750 | 31.95 | 0.00 | 0.00 | 0.00 | 5.72 | 1.54 | 0.00 | 1.54 | 0.00 | 0.66 | 0.04 | 0.00 | 0.71 | 0.00 | 37.65 | 0.00 | 0. | 0.00 |
| 342 | 15.500 | 31.95 | 0.00 | 0.00 | 0.00 | 5.71 | 1.54 | 0.00 | 1.54 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.43 | 0.00 | 0. | 0.00 |
| 343 | 15.250 | 31.95 | 0.00 | 0.00 | 0.00 | 5.70 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.22 | 0.00 | 0. | 0.00 |
| 344 | 15.000 | 31.95 | 0.00 | 0.00 | 0.00 | 5.69 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 37.00 | 0.00 | 0. | 0.00 |
| 345 | 14.750 | 31.95 | 0.00 | 0.00 | 0.00 | 5.68 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.78 | 0.00 | 0. | 0.00 |
| 346 | 14.500 | 31.95 | 0.00 | 0.00 | 0.00 | 5.66 | 1.53 | 0.00 | 1.53 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.57 | 0.00 | 0. | 0.00 |
| 347 | 14.250 | 31.95 | 0.00 | 0.00 | 0.00 | 5.65 | 1.52 | 0.00 | 1.52 | 0.00 | 0.66 | 0.04 | 0.00 | 0.70 | 0.00 | 36.35 | 0.00 | 0. | 0.00 |
| 348 | 14.000 | 31.95 | 0.00 | 0.00 | 0.00 | 5.64 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.70 | 0.00 | 36.13 | 0.00 | 0. | 0.00 |
| 349 | 13.750 | 31.95 | 0.00 | 0.00 | 0.00 | 5.63 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.70 | 0.00 | 35.92 | 0.00 | 0. | 0.00 |
| 350 | 13.500 | 31.94 | 0.00 | 0.00 | 0.00 | 5.62 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 35.70 | 0.00 | 0. | 0.00 |
| 351 | 13.250 | 31.94 | 0.00 | 0.00 | 0.00 | 5.61 | 1.52 | 0.00 | 1.52 | 0.00 | 0.65 | 0.04 | 0.00 | 0.69 | 0.00 | 35.48 | 0.00 | 0. | 0.00 |
| 352 | 13.000 | 31.94 | 0.00 | 0.00 | 0.00 | 5.41 | 1.90 | 0.00 | 1.90 | 0.00 | 0.66 | 0.36 | 0.00 | 1.02 | 0.00 | 35.27 | 0.00 | 0. | 0.00 |
| 353 | 12.750 | 31.94 | 0.00 | 0.00 | 0.00 | 5.28 | 1.86 | 0.00 | 1.86 | 0.00 | 0.66 | 0.32 | 0.00 | 0.98 | 0.00 | 35.05 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 354 | 12.500 | 31.94 | 0.00 | 0.00 | 0.00 | 5.19 | 1.83 | 0.00 | 1.83 | 0.00 | 0.66 | 0.28 | 0.00 | 0.94 | 0.00 | 34.83 | 0.00 | 0. | 0.00 |
| 355 | 12.250 | 31.94 | 0.00 | 0.00 | 0.00 | 5.13 | 1.80 | 0.00 | 1.80 | 0.00 | 0.66 | 0.25 | 0.00 | 0.91 | 0.00 | 34.62 | 0.00 | 0. | 0.00 |
| 356 | 12.000 | 31.94 | 0.00 | 0.00 | 0.00 | 5.10 | 1.77 | 0.00 | 1.77 | 0.00 | 0.66 | 0.23 | 0.00 | 0.89 | 0.00 | 34.40 | 0.00 | 0. | 0.00 |
| 357 | 11.750 | 31.94 | 0.00 | 0.00 | 0.00 | 5.08 | 1.75 | 0.00 | 1.75 | 0.00 | 0.66 | 0.21 | 0.00 | 0.86 | 0.00 | 34.18 | 0.00 | 0. | 0.00 |
| 358 | 11.500 | 31.94 | 0.00 | 0.00 | 0.00 | 5.08 | 1.72 | 0.00 | 1.72 | 0.00 | 0.66 | 0.19 | 0.00 | 0.84 | 0.00 | 33.97 | 0.00 | 0. | 0.00 |
| 359 | 11.250 | 31.94 | 0.00 | 0.00 | 0.00 | 5.08 | 1.70 | 0.00 | 1.70 | 0.00 | 0.66 | 0.17 | 0.00 | 0.82 | 0.00 | 33.75 | 0.00 | 0. | 0.00 |
| 360 | 11.000 | 31.94 | 0.00 | 0.00 | 0.00 | 5.09 | 1.68 | 0.00 | 1.68 | 0.00 | 0.65 | 0.15 | 0.00 | 0.81 | 0.00 | 33.53 | 0.00 | 0. | 0.00 |
| 361 | 10.750 | 31.94 | 0.00 | 0.00 | 0.00 | 5.10 | 1.67 | 0.00 | 1.67 | 0.00 | 0.65 | 0.14 | 0.00 | 0.79 | 0.00 | 33.32 | 0.00 | 0. | 0.00 |
| 362 | 10.500 | 31.93 | 0.00 | 0.00 | 0.00 | 5.12 | 1.65 | 0.00 | 1.65 | 0.00 | 0.65 | 0.13 | 0.00 | 0.78 | 0.00 | 33.10 | 0.00 | 0. | 0.00 |
| 363 | 10.250 | 31.93 | 0.00 | 0.00 | 0.00 | 5.13 | 1.64 | 0.00 | 1.64 | 0.00 | 0.65 | 0.12 | 0.00 | 0.77 | 0.00 | 32.88 | 0.00 | 0. | 0.00 |
| 364 | 10.000 | 31.93 | 0.00 | 0.00 | 0.00 | 5.15 | 1.63 | 0.00 | 1.63 | 0.00 | 0.65 | 0.11 | 0.00 | 0.76 | 0.00 | 32.67 | 0.00 | 0. | 0.00 |
| 365 | 9.750 | 31.93 | 0.00 | 0.00 | 0.00 | 5.16 | 1.62 | 0.00 | 1.62 | 0.00 | 0.65 | 0.10 | 0.00 | 0.75 | 0.00 | 32.45 | 0.00 | 0. | 0.00 |
| 366 | 9.500 | 31.93 | 0.00 | 0.00 | 0.00 | 5.17 | 1.61 | 0.00 | 1.61 | 0.00 | 0.65 | 0.09 | 0.00 | 0.74 | 0.00 | 32.23 | 0.00 | 0. | 0.00 |
| 367 | 9.250 | 31.93 | 0.00 | 0.00 | 0.00 | 5.18 | 1.60 | 0.00 | 1.60 | 0.00 | 0.65 | 0.09 | 0.00 | 0.74 | 0.00 | 32.02 | 0.00 | 0. | 0.00 |
| 368 | 9.000 | 31.93 | 0.00 | 0.00 | 0.00 | 5.19 | 1.59 | 0.00 | 1.59 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.80 | 0.00 | 0. | 0.00 |
| 369 | 8.750 | 31.93 | 0.00 | 0.00 | 0.00 | 5.19 | 1.62 | 0.00 | 1.62 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.58 | 0.00 | 0. | 0.00 |
| 370 | 8.500 | 31.93 | 0.00 | 0.00 | 0.00 | 5.19 | 1.61 | 0.00 | 1.61 | 0.00 | 0.65 | 0.08 | 0.00 | 0.73 | 0.00 | 31.37 | 0.00 | 0. | 0.00 |
| 371 | 8.250 | 31.93 | 0.00 | 0.00 | 0.00 | 5.20 | 1.60 | 0.00 | 1.60 | 0.00 | 0.65 | 0.07 | 0.00 | 0.72 | 0.00 | 31.15 | 0.00 | 0. | 0.00 |
| 372 | 8.000 | 31.93 | 0.00 | 0.00 | 0.00 | 5.20 | 1.59 | 0.00 | 1.59 | 0.00 | 0.65 | 0.07 | 0.00 | 0.72 | 0.00 | 30.93 | 0.00 | 0. | 0.00 |
| 373 | 7.750 | 31.93 | 0.00 | 0.00 | 0.00 | 8.04 | 2.41 | 0.00 | 2.41 | 0.00 | 1.10 | 0.09 | 0.00 | 1.19 | 0.00 | 30.72 | 0.00 | 0. | 0.00 |
| 374 | 7.500 | 31.92 | 0.00 | 0.00 | 0.00 | 7.78 | 2.38 | 0.00 | 2.38 | 0.00 | 1.10 | 0.09 | 0.00 | 1.18 | 0.00 | 30.50 | 0.00 | 0. | 0.00 |
| 375 | 7.250 | 31.92 | 0.00 | 0.00 | 0.00 | 7.53 | 2.35 | 0.00 | 2.35 | 0.00 | 1.09 | 0.08 | 0.00 | 1.18 | 0.00 | 30.28 | 0.00 | 0. | 0.00 |
| 376 | 7.000 | 31.92 | 0.00 | 0.00 | 0.00 | 7.30 | 2.32 | 0.00 | 2.32 | 0.00 | 1.09 | 0.08 | 0.00 | 1.18 | 0.00 | 30.07 | 0.00 | 0. | 0.00 |
| 377 | 6.750 | 31.92 | 0.00 | 0.00 | 0.00 | 7.10 | 2.29 | 0.00 | 2.29 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.85 | 0.00 | 0. | 0.00 |
| 378 | 6.500 | 31.92 | 0.00 | 0.00 | 0.00 | 6.91 | 2.26 | 0.00 | 2.26 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.63 | 0.00 | 0. | 0.00 |
| 379 | 6.250 | 31.92 | 0.00 | 0.00 | 0.00 | 6.74 | 2.23 | 0.00 | 2.23 | 0.00 | 1.09 | 0.08 | 0.00 | 1.17 | 0.00 | 29.42 | 0.00 | 0. | 0.00 |
| 380 | 6.000 | 31.92 | 0.00 | 0.00 | 0.00 | 6.58 | 2.21 | 0.00 | 2.21 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 29.20 | 0.00 | 0. | 0.00 |
| 381 | 5.750 | 31.92 | 0.00 | 0.00 | 0.00 | 6.43 | 2.18 | 0.00 | 2.18 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 28.98 | 0.00 | 0. | 0.00 |
| 382 | 5.500 | 31.92 | 0.00 | 0.00 | 0.00 | 6.30 | 2.16 | 0.00 | 2.16 | 0.00 | 1.08 | 0.08 | 0.00 | 1.16 | 0.00 | 28.77 | 0.00 | 0. | 0.00 |
| 383 | 5.250 | 31.92 | 0.00 | 0.00 | 0.00 | 6.18 | 2.14 | 0.00 | 2.14 | 0.00 | 1.08 | 0.08 | 0.00 | 1.15 | 0.00 | 28.55 | 0.00 | 0. | 0.00 |
| 384 | 5.000 | 31.92 | 0.00 | 0.00 | 0.00 | 6.07 | 2.11 | 0.00 | 2.11 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 28.33 | 0.00 | 0. | 0.00 |
| 385 | 4.750 | 31.92 | 0.00 | 0.00 | 0.00 | 5.97 | 2.09 | 0.00 | 2.09 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 28.12 | 0.00 | 0. | 0.00 |
| 386 | 4.500 | 31.91 | 0.00 | 0.00 | 0.00 | 5.87 | 2.07 | 0.00 | 2.07 | 0.00 | 1.07 | 0.08 | 0.00 | 1.15 | 0.00 | 27.90 | 0.00 | 0. | 0.00 |
| 387 | 4.250 | 31.91 | 0.00 | 0.00 | 0.00 | 5.79 | 2.05 | 0.00 | 2.05 | 0.00 | 1.07 | 0.08 | 0.00 | 1.14 | 0.00 | 27.68 | 0.00 | 0. | 0.00 |
| 388 | 4.000 | 31.91 | 0.00 | 0.00 | 0.00 | 5.71 | 2.03 | 0.00 | 2.03 | 0.00 | 1.06 | 0.08 | 0.00 | 1.14 | 0.00 | 27.47 | 0.00 | 0. | 0.00 |
| 389 | 3.750 | 31.91 | 0.00 | 0.00 | 0.00 | 5.64 | 2.01 | 0.00 | 2.01 | 0.00 | 1.06 | 0.07 | 0.00 | 1.14 | 0.00 | 27.25 | 0.00 | 0. | 0.00 |
| 390 | 3.500 | 31.91 | 0.00 | 0.00 | 0.00 | 5.57 | 2.00 | 0.00 | 2.00 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 27.03 | 0.00 | 0. | 0.00 |
| 391 | 3.250 | 31.91 | 0.00 | 0.00 | 0.00 | 5.51 | 1.98 | 0.00 | 1.98 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 26.82 | 0.00 | 0. | 0.00 |
| 392 | 3.000 | 31.91 | 0.00 | 0.00 | 0.00 | 5.45 | 1.96 | 0.00 | 1.96 | 0.00 | 1.06 | 0.07 | 0.00 | 1.13 | 0.00 | 26.60 | 0.00 | 0. | 0.00 |
| 393 | 2.750 | 31.91 | 0.00 | 0.00 | 0.00 | 5.40 | 1.95 | 0.00 | 1.95 | 0.00 | 1.05 | 0.07 | 0.00 | 1.13 | 0.00 | 26.38 | 0.00 | 0. | 0.00 |
| 394 | 2.500 | 31.91 | 0.00 | 0.00 | 0.00 | 5.35 | 1.93 | 0.00 | 1.93 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 26.17 | 0.00 | 0. | 0.00 |
| 395 | 2.250 | 31.91 | 0.00 | 0.00 | 0.00 | 5.30 | 1.92 | 0.00 | 1.92 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 25.95 | 0.00 | 0. | 0.00 |
| 396 | 2.000 | 31.91 | 0.00 | 0.00 | 0.00 | 5.26 | 1.90 | 0.00 | 1.90 | 0.00 | 1.05 | 0.07 | 0.00 | 1.12 | 0.00 | 25.73 | 0.00 | 0. | 0.00 |
| 397 | 1.750 | 31.91 | 0.00 | 0.00 | 0.00 | 5.22 | 1.89 | 0.00 | 1.89 | 0.00 | 1.04 | 0.07 | 0.00 | 1.12 | 0.00 | 25.52 | 0.00 | 0. | 0.00 |
| 398 | 1.500 | 31.90 | 0.00 | 0.00 | 0.00 | 5.18 | 1.88 | 0.00 | 1.88 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 25.30 | 0.00 | 0. | 0.00 |
| 399 | 1.250 | 31.90 | 0.00 | 0.00 | 0.00 | 5.15 | 1.86 | 0.00 | 1.86 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 25.08 | 0.00 | 0. | 0.00 |
| 400 | 1.000 | 31.90 | 0.00 | 0.00 | 0.00 | 5.12 | 1.85 | 0.00 | 1.85 | 0.00 | 1.04 | 0.07 | 0.00 | 1.11 | 0.00 | 24.87 | 0.00 | 0. | 0.00 |
| 401 | 0.750 | 31.90 | 0.00 | 0.00 | 0.00 | 5.02 | 3.09 | 0.00 | 3.09 | 0.00 | 1.38 | 0.11 | 0.00 | 1.50 | 0.00 | 24.65 | 0.00 | 0. | 0.00 |
| 402 | 0.500 | 31.90 | 0.00 | 0.00 | 0.00 | 4.99 | 3.08 | 0.00 | 3.08 | 0.00 | 1.38 | 0.11 | 0.00 | 1.49 | 0.00 | 24.43 | 0.00 | 0. | 0.00 |
| 403 | 0.250 | 31.90 | 0.00 | 0.00 | 0.00 | 4.96 | 3.05 | 0.00 | 3.05 | 0.00 | 1.38 | 0.11 | 0.00 | 1.49 | 0.00 | 24.22 | 0.00 | 0. | 0.00 |

404 0.000 31.90 0.00 0.00 0.00 4.93 3.03 0.00 3.03 0.00 1.38 0.11 0.00 1.49 0.00 24.00 0.00 0. 0.00

STREAM SUMMARY LA-QUAL calibration for Gulf ICWW and Bayou Black
Bayou Black FTN Field Survey calibration

TRAVEL TIME = 1678.12 DAYS

MAXIMUM EFFLUENT = 83.09 PERCENT

FLOW = 0.01100 TO 2.22057 $m^3/s$
DISPERSION = 0.0000 TO 0.0000 $m^2/s$
VELOCITY = 0.00001 TO 0.06141 m/s
DEPTH = 1.16 TO 4.57 m
WIDTH = 31.17 TO 196.71 m

BOD DECAY = 0.26 TO 0.29 per day
NH3 DECAY = 0.41 TO 0.45 per day
SOD = 1.49 TO 2.77 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.19 TO 0.75 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 31.90 TO 32.10 deg C
DISSOLVED OXYGEN = 4.93 TO 11.18 mg/L

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

REACH SUMMARY REPORT FOR ICWW

| RCH NO. | REACH NAME | DIST km | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT EOR m3/s | VELO m/s | AVERAGE DEPTH m | WIDTH m | AVG EOR cfs | FLOW AT EOR fps | AVG VELO ft | AVERAGE DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Gulf ICWW | 94.00 | 84.50 | 9.50 | 289.87 | 1.25500 | 0.00038 | 9.300 | 182.49 | 44.314 | 0.001 | 30.513 | 598.75 | | |
| 2 | Gulf ICWW | 84.50 | 71.50 | 13.00 | 23.52 | 15.09647 | 0.00640 | 13.350 | 209.06 | 533.056 | 0.021 | 43.801 | 685.93 | | |
| 3 | Gulf ICWW | 71.50 | 62.00 | 9.50 | 30.46 | 31.01032 | 0.00361 | 12.770 | 395.30 | 1094.974 | 0.012 | 41.898 | 1296.98 | | |
| 4 | Gulf ICWW | 62.00 | 38.00 | 24.00 | 20.61 | 12.72698 | 0.01348 | 12.190 | 190.00 | 449.390 | 0.044 | 39.995 | 623.39 | | |
| 8 | Gulf ICWW | 38.00 | 0.00 | 38.00 | 46.13 | 23.55826 | 0.00953 | 12.800 | 155.80 | 831.842 | 0.031 | 41.997 | 511.18 | | |

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

REACH SUMMARY REPORT FOR Bayou Black

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Bayou Black | 45.00 | 38.75 | 6.25 | 1616.76 | 0.10700 | 0.00004 | 4.570 | 196.71 | 3.778 | 0.000 | 14.994 | 645.41 |
| 6 | Bayou Black | 38.75 | 30.00 | 8.75 | 23.89 | 0.20868 | 0.00424 | 1.160 | 31.17 | 7.368 | 0.014 | 3.806 | 102.27 |
| 7 | Bayou Black | 30.00 | 0.00 | 30.00 | 37.47 | 2.22057 | 0.00927 | 1.160 | 31.17 | 78.408 | 0.030 | 3.806 | 102.27 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 148. | 0. | -177. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | 4. | -214. | -54. | 0. | 0. | -92. | 0. | 0. | 0. | 369. | 0. | 0. | -537.4 | 537.4 | -0.02 |
| 2 | 177. | 0. | -212. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -23. | -184. | -52. | 0. | 0. | -93. | 0. | 0. | 0. | 370. | 0. | 0. | -563.6 | 563.6 | -0.03 |
| 3 | 212. | 0. | -241. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -37. | -179. | -50. | 0. | 0. | -93. | 0. | 0. | 0. | 370. | 0. | 0. | -598.8 | 598.8 | -0.03 |
| 4 | 241. | 0. | -265. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -44. | -178. | -49. | 0. | 0. | -93. | 0. | 0. | 0. | 370. | 0. | 0. | -627.5 | 627.5 | -0.03 |
| 5 | 265. | 0. | -287. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -47. | -177. | -48. | 0. | 0. | -93. | 0. | 0. | 0. | 371. | 0. | 0. | -652.1 | 652.0 | -0.03 |
| 6 | 287. | 0. | -308. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -49. | -177. | -47. | 0. | 0. | -93. | 0. | 0. | 0. | 371. | 0. | 0. | -674.5 | 674.5 | -0.03 |
| 7 | 308. | 0. | -329. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -50. | -177. | -47. | 0. | 0. | -93. | 0. | 0. | 0. | 372. | 0. | 0. | -696.0 | 696.0 | -0.03 |
| 8 | 329. | 0. | -349. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -51. | -177. | -47. | 0. | 0. | -93. | 0. | 0. | 0. | 372. | 0. | 0. | -717.0 | 716.9 | -0.03 |
| 9 | 349. | 0. | -369. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -51. | -177. | -46. | 0. | 0. | -93. | 0. | 0. | 0. | 372. | 0. | 0. | -737.7 | 737.6 | -0.04 |
| 10 | 369. | 0. | -389. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -52. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 373. | 0. | 0. | -758.2 | 758.2 | -0.04 |
| 11 | 389. | 0. | -409. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -52. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 373. | 0. | 0. | -778.7 | 778.7 | -0.04 |
| 12 | 409. | 0. | -429. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -53. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 373. | 0. | 0. | -799.2 | 799.1 | -0.04 |
| 13 | 429. | 0. | -449. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -53. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 374. | 0. | 0. | -819.6 | 819.5 | -0.04 |
| 14 | 449. | 0. | -469. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -53. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 374. | 0. | 0. | -840.0 | 839.9 | -0.04 |
| 15 | 469. | 0. | -489. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -53. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 374. | 0. | 0. | -860.4 | 860.3 | -0.04 |
| 16 | 489. | 0. | -510. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -54. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 375. | 0. | 0. | -880.7 | 880.7 | -0.04 |
| 17 | 510. | 0. | -530. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -54. | -177. | -46. | 0. | 0. | -94. | 0. | 0. | 0. | 375. | 0. | 0. | -901.1 | 901.1 | -0.04 |
| 18 | 530. | 0. | -550. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -54. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 376. | 0. | 0. | -921.5 | 921.5 | -0.04 |
| 19 | 550. | 0. | -570. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -54. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 376. | 0. | 0. | -941.9 | 941.8 | -0.05 |
| 20 | 570. | 0. | -590. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -55. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 376. | 0. | 0. | -962.3 | 962.2 | -0.05 |
| 21 | 590. | 0. | -610. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -55. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 377. | 0. | 0. | -982.7 | 982.6 | -0.05 |
| 22 | 610. | 0. | -630. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -55. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 377. | 0. | 0. | -1003.1 | 1003.0 | -0.05 |
| 23 | 630. | 0. | -650. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -55. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 377. | 0. | 0. | -1023.5 | 1023.4 | -0.05 |
| 24 | 650. | 0. | -670. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -56. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 378. | 0. | 0. | -1043.9 | 1043.9 | -0.05 |
| 25 | 670. | 0. | -690. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -56. | -177. | -46. | 0. | 0. | -95. | 0. | 0. | 0. | 378. | 0. | 0. | -1064.4 | 1064.3 | -0.05 |
| 26 | 690. | 0. | -710. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -56. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 378. | 0. | 0. | -1084.8 | 1084.7 | -0.05 |
| 27 | 710. | 0. | -730. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -56. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 379. | 0. | 0. | -1105.3 | 1105.2 | -0.05 |
| 28 | 730. | 0. | -750. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -56. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 379. | 0. | 0. | -1125.7 | 1125.7 | -0.06 |
| 29 | 750. | 0. | -770. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -57. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 380. | 0. | 0. | -1146.2 | 1146.1 | -0.06 |
| 30 | 770. | 0. | -790. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -57. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 380. | 0. | 0. | -1166.7 | 1166.6 | -0.06 |
| 31 | 790. | 0. | -811. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -57. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 380. | 0. | 0. | -1187.1 | 1187.1 | -0.06 |
| 32 | 811. | 0. | -831. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -57. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 381. | 0. | 0. | -1207.6 | 1207.6 | -0.06 |
| 33 | 831. | 0. | -851. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -57. | -177. | -46. | 0. | 0. | -96. | 0. | 0. | 0. | 381. | 0. | 0. | -1228.2 | 1228.1 | -0.06 |
| 34 | 851. | 0. | -871. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -58. | -177. | -46. | 0. | 0. | -97. | 0. | 0. | 0. | 381. | 0. | 0. | -1248.7 | 1248.6 | -0.06 |
| 35 | 871. | 0. | -891. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -58. | -177. | -46. | 0. | 0. | -97. | 0. | 0. | 0. | 382. | 0. | 0. | -1269.2 | 1269.2 | -0.06 |
| 36 | 891. | 0. | -911. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -58. | -177. | -46. | 0. | 0. | -97. | 0. | 0. | 0. | 382. | 0. | 0. | -1289.8 | 1289.7 | -0.06 |
| 37 | 911. | 0. | -932. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -58. | -177. | -46. | 0. | 0. | -97. | 0. | 0. | 0. | 382. | 0. | 0. | -1310.3 | 1310.3 | -0.07 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 932. | 0. | -952. | 0. | 0. | 0. | 16. | 0. | 0. | 0. | 0. | -59. | -177. | -46. | 0. | 0. | -97. | 0. | 0. | 0. | 383. | 0. | 0. | -1330.9 | 1330.8 | -0.07 | | | | | | | |
| 39 | 952. | 0. | -21580. | 0. | 0. | 0. | 10. | 0. | 0.20695. | 0. | 101. | -614. | -83. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22388.0 | 22388.0 | 0.03 | | | | | | | | |
| 40 | 21580. | 0. | -21526. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 102. | -601. | -84. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22322.3 | 22322.4 | 0.04 | | | | | | | |
| 41 | 21526. | 0. | -21483. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -589. | -86. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22268.5 | 22268.5 | 0.04 | | | | | | | |
| 42 | 21483. | 0. | -21450. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -577. | -87. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22225.8 | 22225.8 | 0.04 | | | | | | | |
| 43 | 21450. | 0. | -21428. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -566. | -89. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22193.8 | 22193.8 | 0.04 | | | | | | | |
| 44 | 21428. | 0. | -21416. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -555. | -90. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22171.9 | 22172.0 | 0.04 | | | | | | | |
| 45 | 21416. | 0. | -21413. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 104. | -544. | -91. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22159.7 | 22159.7 | 0.04 | | | | | | | |
| 46 | 21413. | 0. | -21418. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 104. | -535. | -92. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22156.6 | 22156.7 | 0.04 | | | | | | | |
| 47 | 21418. | 0. | -21432. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -525. | -93. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22162.3 | 22162.3 | 0.04 | | | | | | | |
| 48 | 21432. | 0. | -21454. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -516. | -94. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22176.2 | 22176.2 | 0.04 | | | | | | | |
| 49 | 21454. | 0. | -21484. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -507. | -95. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22197.9 | 22197.9 | 0.03 | | | | | | | |
| 50 | 21484. | 0. | -21520. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -499. | -96. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22227.1 | 22227.1 | 0.03 | | | | | | | |
| 51 | 21520. | 0. | -21564. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 102. | -491. | -97. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22263.3 | 22263.4 | 0.03 | | | | | | | |
| 52 | 21564. | 0. | -21614. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 102. | -483. | -98. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22306.3 | 22306.3 | 0.03 | | | | | | | |
| 53 | 21614. | 0. | -21669. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 101. | -476. | -99. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22355.6 | 22355.6 | 0.03 | | | | | | | |
| 54 | 21669. | 0. | -21731. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 101. | -469. | -100. | 0. | 0. | -111. | 0. | 0. | 0. | 630. | 0. | 0. | -22410.8 | 22410.9 | 0.03 | | | | | | | |
| 55 | 21731. | 0. | -21798. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 100. | -462. | -100. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -22471.8 | 22471.9 | 0.03 | | | | | | | |
| 56 | 21798. | 0. | -21870. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 99. | -455. | -101. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -22538.2 | 22538.2 | 0.03 | | | | | | | |
| 57 | 21870. | 0. | -5766. | 0. | 0. | 0. | 10. | 0. | 0. | 0.****** | | 99. | -449. | -102. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -22609.7 | 22609.7 | 0.02 | | | | | | | |
| 58 | 5766. | 0. | -5858. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 95. | -429. | -104. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -6501.8 | 6501.8 | 0.01 | | | | | | | |
| 59 | 5858. | 0. | -5962. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 91. | -411. | -105. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -6590.1 | 6590.1 | 0.00 | | | | | | | |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 5962. | 0. | -6076. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 87. | -396. | -106. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -6690.1 | 6690.1 | -0.01 |
| 61 | 6076. | 0. | -6197. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 82. | -383. | -107. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -6799.4 | 6799.4 | -0.02 |
| 62 | 6197. | 0. | -6325. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 78. | -372. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -6916.2 | 6916.1 | -0.03 |
| 63 | 6325. | 0. | -6456. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 73. | -362. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7038.5 | 7038.5 | -0.04 |
| 64 | 6456. | 0. | -6591. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 67. | -354. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7165.1 | 7165.0 | -0.05 |
| 65 | 6591. | 0. | -6728. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 62. | -347. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7294.6 | 7294.5 | -0.06 |
| 66 | 6728. | 0. | -6865. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 57. | -341. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7426.1 | 7426.1 | -0.07 |
| 67 | 6865. | 0. | -7004. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 52. | -336. | -108. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7558.8 | 7558.7 | -0.08 |
| 68 | 7004. | 0. | -7142. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 47. | -331. | -107. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7692.0 | 7691.9 | -0.09 |
| 69 | 7142. | 0. | -7279. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 42. | -327. | -107. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7825.0 | 7824.9 | -0.10 |
| 70 | 7279. | 0. | -7416. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 36. | -324. | -106. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -7957.4 | 7957.3 | -0.11 |
| 71 | 7416. | 0. | -7551. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 31. | -321. | -105. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -8088.8 | 8088.7 | -0.11 |
| 72 | 7551. | 0. | -7684. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 27. | -319. | -105. | 0. | 0. | -112. | 0. | 0. | 0. | 631. | 0. | 0. | -8218.9 | 8218.8 | -0.12 |
| 73 | 7684. | 0. | -7815. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 22. | -317. | -104. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8347.4 | 8347.2 | -0.12 |
| 74 | 7815. | 0. | -7945. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 17. | -315. | -103. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8474.1 | 8473.9 | -0.13 |
| 75 | 7945. | 0. | -8072. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -313. | -102. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8598.8 | 8598.7 | -0.14 |
| 76 | 8072. | 0. | -8197. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 8. | -312. | -101. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8721.5 | 8721.3 | -0.14 |
| 77 | 8197. | 0. | -8319. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 3. | -311. | -100. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8842.0 | 8841.8 | -0.15 |
| 78 | 8319. | 0. | -8439. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -1. | -310. | -99. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -8961.4 | 8961.2 | -0.15 |
| 79 | 8439. | 0. | -8557. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -5. | -309. | -98. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9081.5 | 9081.4 | -0.16 |
| 80 | 8557. | 0. | -8672. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -10. | -308. | -98. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9199.3 | 9199.1 | -0.16 |
| 81 | 8672. | 0. | -8785. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -14. | -307. | -97. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9314.6 | 9314.4 | -0.16 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 8785. | 0. | -8895. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -18. | -307. | -96. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9427.4 | 9427.2 | -0.17 |
| 83 | 8895. | 0. | -9003. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -21. | -306. | -95. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9537.8 | 9537.6 | -0.17 |
| 84 | 9003. | 0. | -9109. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -25. | -306. | -94. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9645.8 | 9645.6 | -0.17 |
| 85 | 9109. | 0. | -9212. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -29. | -306. | -93. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9751.4 | 9751.3 | -0.17 |
| 86 | 9212. | 0. | -9313. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -32. | -305. | -92. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9854.8 | 9854.7 | -0.17 |
| 87 | 9313. | 0. | -9412. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -36. | -305. | -91. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -9956.0 | 9955.8 | -0.17 |
| 88 | 9412. | 0. | -9509. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -39. | -305. | -90. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -10054.9 | 10054.8 | -0.17 |
| 89 | 9509. | 0. | -10456. | 0. | 0. | 0. | 10. | 0. | 0. | 888. | 0. | -33. | -348. | -90. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -11039.7 | 11039.5 | -0.17 |
| 90 | 10456. | 0. | -10520. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -35. | -343. | -89. | 0. | 0. | -112. | 0. | 0. | 0. | 632. | 0. | 0. | -11099.4 | 11099.2 | -0.17 |
| 91 | 10520. | 0. | -10424. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -60. | -608. | -160. | 0. | 0. | -424. | 0. | 0. | 0. | 1144. | 0. | 0. | -11675.2 | 11674.9 | -0.30 |
| 92 | 10424. | 0. | -10346. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -54. | -598. | -158. | 0. | 0. | -424. | 0. | 0. | 0. | 1145. | 0. | 0. | -11579.5 | 11579.2 | -0.30 |
| 93 | 10346. | 0. | -10281. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -49. | -590. | -157. | 0. | 0. | -424. | 0. | 0. | 0. | 1145. | 0. | 0. | -11500.9 | 11500.6 | -0.30 |
| 94 | 10281. | 0. | -10228. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -45. | -584. | -156. | 0. | 0. | -424. | 0. | 0. | 0. | 1145. | 0. | 0. | -11436.5 | 11436.2 | -0.30 |
| 95 | 10228. | 0. | -10185. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -41. | -579. | -154. | 0. | 0. | -424. | 0. | 0. | 0. | 1145. | 0. | 0. | -11383.8 | 11383.5 | -0.29 |
| 96 | 10185. | 0. | -10150. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -38. | -576. | -153. | 0. | 0. | -424. | 0. | 0. | 0. | 1146. | 0. | 0. | -11341.0 | 11340.7 | -0.29 |
| 97 | 10150. | 0. | -10123. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -36. | -572. | -151. | 0. | 0. | -424. | 0. | 0. | 0. | 1146. | 0. | 0. | -11306.6 | 11306.3 | -0.29 |
| 98 | 10123. | 0. | -10101. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -34. | -570. | -150. | 0. | 0. | -425. | 0. | 0. | 0. | 1146. | 0. | 0. | -11279.2 | 11279.0 | -0.28 |
| 99 | 10101. | 0. | -10084. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -32. | -568. | -149. | 0. | 0. | -425. | 0. | 0. | 0. | 1146. | 0. | 0. | -11257.8 | 11257.5 | -0.28 |
| 100 | 10084. | 0. | -10072. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -30. | -566. | -148. | 0. | 0. | -425. | 0. | 0. | 0. | 1147. | 0. | 0. | -11241.5 | 11241.2 | -0.28 |
| 101 | 10072. | 0. | -10063. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -29. | -565. | -147. | 0. | 0. | -425. | 0. | 0. | 0. | 1147. | 0. | 0. | -11229.5 | 11229.2 | -0.28 |
| 102 | 10063. | 0. | -10058. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -28. | -564. | -145. | 0. | 0. | -425. | 0. | 0. | 0. | 1147. | 0. | 0. | -11221.2 | 11220.9 | -0.28 |
| 103 | 10058. | 0. | -10056. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -27. | -563. | -144. | 0. | 0. | -425. | 0. | 0. | 0. | 1148. | 0. | 0. | -11216.2 | 11215.9 | -0.28 |
| 104 | 10056. | 0. | -10056. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -27. | -563. | -143. | 0. | 0. | -425. | 0. | 0. | 0. | 1148. | 0. | 0. | -11214.0 | 11213.7 | -0.28 |
| 105 | 10056. | 0. | -10058. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -562. | -142. | 0. | 0. | -426. | 0. | 0. | 0. | 1148. | 0. | 0. | -11214.3 | 11214.0 | -0.28 |
| 106 | 10058. | 0. | -10062. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -562. | -141. | 0. | 0. | -426. | 0. | 0. | 0. | 1148. | 0. | 0. | -11216.8 | 11216.5 | -0.27 |
| 107 | 10062. | 0. | -10068. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -562. | -140. | 0. | 0. | -426. | 0. | 0. | 0. | 1149. | 0. | 0. | -11221.2 | 11220.9 | -0.28 |
| 108 | 10068. | 0. | -10075. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -25. | -561. | -139. | 0. | 0. | -426. | 0. | 0. | 0. | 1149. | 0. | 0. | -11227.3 | 11227.0 | -0.27 |
| 109 | 10075. | 0. | -10084. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -25. | -561. | -138. | 0. | 0. | -426. | 0. | 0. | 0. | 1149. | 0. | 0. | -11234.9 | 11234.6 | -0.27 |
| 110 | 10084. | 0. | -10094. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -25. | -561. | -138. | 0. | 0. | -426. | 0. | 0. | 0. | 1150. | 0. | 0. | -11243.8 | 11243.5 | -0.28 |
| 111 | 10094. | 0. | -10105. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -25. | -561. | -137. | 0. | 0. | -426. | 0. | 0. | 0. | 1150. | 0. | 0. | -11254.0 | 11253.7 | -0.27 |
| 112 | 10105. | 0. | -10117. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -561. | -136. | 0. | 0. | -427. | 0. | 0. | 0. | 1150. | 0. | 0. | -11265.2 | 11265.0 | -0.27 |
| 113 | 10117. | 0. | -10129. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -561. | -135. | 0. | 0. | -427. | 0. | 0. | 0. | 1150. | 0. | 0. | -11277.5 | 11277.2 | -0.27 |
| 114 | 10129. | 0. | -10143. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -561. | -134. | 0. | 0. | -427. | 0. | 0. | 0. | 1151. | 0. | 0. | -11290.6 | 11290.3 | -0.27 |
| 115 | 10143. | 0. | -10157. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -26. | -560. | -133. | 0. | 0. | -427. | 0. | 0. | 0. | 1151. | 0. | 0. | -11304.4 | 11304.2 | -0.28 |
| 116 | 10157. | 0. | -10172. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -27. | -560. | -133. | 0. | 0. | -427. | 0. | 0. | 0. | 1151. | 0. | 0. | -11319.0 | 11318.8 | -0.28 |
| 117 | 10172. | 0. | -18293. | 0. | 0. | 0. | 10. | 0. | 0. | 8718. | 0. | 35. | -1221. | -146. | 0. | 0. | -427. | 0. | 0. | 0. | 1151. | 0. | 0. | -20087.8 | 20087.5 | -0.25 |
| 118 | 18293. | 0. | -17784. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 52. | -1148. | -147. | 0. | 0. | -427. | 0. | 0. | 0. | 1152. | 0. | 0. | -19507.1 | 19506.8 | -0.24 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 17784. | 0. | -17354. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 66. | -1083. | -148. | 0. | 0. | -428. | 0. | 0. | 0. | 1152. | 0. | 0. | -19013.0 | 19012.8 | -0.23 |
| 120 | 17354. | 0. | -16994. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 78. | -1025. | -149. | 0. | 0. | -428. | 0. | 0. | 0. | 1152. | 0. | 0. | -18595.3 | 18595.0 | -0.22 |
| 121 | 16994. | 0. | -16694. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 88. | -973. | -150. | 0. | 0. | -428. | 0. | 0. | 0. | 1153. | 0. | 0. | -18244.8 | 18244.5 | -0.21 |
| 122 | 16694. | 0. | -16448. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 96. | -927. | -150. | 0. | 0. | -428. | 0. | 0. | 0. | 1153. | 0. | 0. | -17953.4 | 17953.2 | -0.20 |
| 123 | 16448. | 0. | -16248. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 103. | -887. | -151. | 0. | 0. | -428. | 0. | 0. | 0. | 1153. | 0. | 0. | -17714.1 | 17713.9 | -0.20 |
| 124 | 16248. | 0. | -16090. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 108. | -851. | -151. | 0. | 0. | -428. | 0. | 0. | 0. | 1153. | 0. | 0. | -17520.4 | 17520.2 | -0.19 |
| 125 | 16090. | 0. | -15968. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 112. | -818. | -152. | 0. | 0. | -428. | 0. | 0. | 0. | 1154. | 0. | 0. | -17366.8 | 17366.7 | -0.19 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | 15968. | 0. | -15878. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 116. | -790. | -152. | 0. | 0. | -429. | 0. | 0. | 0. | 1154. | 0. | 0. | -17248.4 | 17248.2 | -0.19 |
| 127 | 15878. | 0. | -15815. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 118. | -765. | -152. | 0. | 0. | -429. | 0. | 0. | 0. | 1154. | 0. | 0. | -17160.6 | 17160.4 | -0.19 |
| 128 | 15815. | 0. | -15777. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 119. | -742. | -152. | 0. | 0. | -429. | 0. | 0. | 0. | 1155. | 0. | 0. | -17099.6 | 17099.4 | -0.19 |
| 129 | 15777. | 0. | -15744. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 58. | -335. | -70. | 0. | 0. | -227. | 0. | 0. | 0. | 531. | 0. | 0. | -16375.6 | 16375.5 | -0.08 |
| 130 | 15744. | 0. | -15718. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -330. | -70. | 0. | 0. | -227. | 0. | 0. | 0. | 532. | 0. | 0. | -16344.4 | 16344.4 | -0.08 |
| 131 | 15718. | 0. | -15697. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -326. | -70. | 0. | 0. | -227. | 0. | 0. | 0. | 533. | 0. | 0. | -16319.6 | 16319.6 | -0.08 |
| 132 | 15697. | 0. | -15683. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -322. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 534. | 0. | 0. | -16300.8 | 16300.8 | -0.08 |
| 133 | 15683. | 0. | -15674. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -318. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 535. | 0. | 0. | -16287.7 | 16287.6 | -0.08 |
| 134 | 15674. | 0. | -15670. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -314. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 536. | 0. | 0. | -16280.0 | 16279.9 | -0.08 |
| 135 | 15670. | 0. | -15671. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -310. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 537. | 0. | 0. | -16277.3 | 16277.2 | -0.08 |
| 136 | 15671. | 0. | -15677. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -307. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 538. | 0. | 0. | -16279.4 | 16279.3 | -0.08 |
| 137 | 15677. | 0. | -15687. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -303. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 539. | 0. | 0. | -16286.0 | 16285.9 | -0.08 |
| 138 | 15687. | 0. | -15701. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -300. | -70. | 0. | 0. | -226. | 0. | 0. | 0. | 540. | 0. | 0. | -16296.9 | 16296.8 | -0.08 |
| 139 | 15701. | 0. | -15719. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -297. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 541. | 0. | 0. | -16311.8 | 16311.7 | -0.08 |
| 140 | 15719. | 0. | -15740. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 60. | -295. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 542. | 0. | 0. | -16330.5 | 16330.4 | -0.09 |
| 141 | 15740. | 0. | -15765. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -292. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 543. | 0. | 0. | -16352.8 | 16352.7 | -0.08 |
| 142 | 15765. | 0. | -15794. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -290. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 544. | 0. | 0. | -16378.5 | 16378.4 | -0.09 |
| 143 | 15794. | 0. | -15825. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 59. | -287. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 545. | 0. | 0. | -16407.5 | 16407.4 | -0.09 |
| 144 | 15825. | 0. | -15859. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 58. | -285. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 546. | 0. | 0. | -16439.4 | 16439.3 | -0.09 |
| 145 | 15859. | 0. | -15896. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 58. | -283. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 547. | 0. | 0. | -16474.2 | 16474.2 | -0.09 |
| 146 | 15896. | 0. | -15936. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 58. | -281. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 548. | 0. | 0. | -16511.8 | 16511.7 | -0.09 |
| 147 | 15936. | 0. | -15978. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 57. | -279. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 549. | 0. | 0. | -16551.9 | 16551.8 | -0.09 |
| 148 | 15978. | 0. | -16022. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 57. | -278. | -69. | 0. | 0. | -226. | 0. | 0. | 0. | 550. | 0. | 0. | -16594.4 | 16594.3 | -0.09 |
| 149 | 16022. | 0. | -16069. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 56. | -276. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 551. | 0. | 0. | -16639.2 | 16639.2 | -0.09 |
| 150 | 16069. | 0. | -16118. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 55. | -274. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 552. | 0. | 0. | -16686.2 | 16686.1 | -0.09 |
| 151 | 16118. | 0. | -16168. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 55. | -273. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 553. | 0. | 0. | -16735.3 | 16735.2 | -0.09 |
| 152 | 16168. | 0. | -16221. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 54. | -272. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 554. | 0. | 0. | -16786.2 | 16786.1 | -0.09 |
| 153 | 16221. | 0. | -16275. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 53. | -270. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 555. | 0. | 0. | -16839.0 | 16838.9 | -0.10 |
| 154 | 16275. | 0. | -16331. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 53. | -269. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 556. | 0. | 0. | -16893.6 | 16893.5 | -0.10 |
| 155 | 16331. | 0. | -16388. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 52. | -268. | -69. | 0. | 0. | -225. | 0. | 0. | 0. | 557. | 0. | 0. | -16949.7 | 16949.6 | -0.10 |
| 156 | 16388. | 0. | -16447. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 51. | -267. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 558. | 0. | 0. | -17007.5 | 17007.4 | -0.10 |
| 157 | 16447. | 0. | -16508. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 50. | -266. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 559. | 0. | 0. | -17066.6 | 17066.6 | -0.10 |
| 158 | 16508. | 0. | -16569. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 50. | -265. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 560. | 0. | 0. | -17127.2 | 17127.1 | -0.10 |
| 159 | 16569. | 0. | -16632. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 49. | -264. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 561. | 0. | 0. | -17189.1 | 17189.0 | -0.10 |
| 160 | 16632. | 0. | -16696. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 48. | -263. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 562. | 0. | 0. | -17252.3 | 17252.2 | -0.10 |
| 161 | 16696. | 0. | -16762. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 47. | -262. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 563. | 0. | 0. | -17316.6 | 17316.5 | -0.11 |
| 162 | 16762. | 0. | -16828. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 46. | -261. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 564. | 0. | 0. | -17382.0 | 17381.9 | -0.10 |
| 163 | 16828. | 0. | -16896. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 45. | -260. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 565. | 0. | 0. | -17448.5 | 17448.4 | -0.11 |
| 164 | 16896. | 0. | -16964. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 45. | -260. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 566. | 0. | 0. | -17516.0 | 17515.9 | -0.11 |
| 165 | 16964. | 0. | -17033. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 44. | -259. | -68. | 0. | 0. | -225. | 0. | 0. | 0. | 567. | 0. | 0. | -17584.4 | 17584.3 | -0.11 |
| 166 | 17033. | 0. | -17103. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 43. | -258. | -68. | 0. | 0. | -224. | 0. | 0. | 0. | 568. | 0. | 0. | -17653.8 | 17653.6 | -0.11 |
| 167 | 17103. | 0. | -17174. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 42. | -258. | -68. | 0. | 0. | -224. | 0. | 0. | 0. | 568. | 0. | 0. | -17723.9 | 17723.8 | -0.11 |
| 168 | 17174. | 0. | -17246. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 41. | -257. | -68. | 0. | 0. | -224. | 0. | 0. | 0. | 569. | 0. | 0. | -17794.9 | 17794.8 | -0.11 |
| 169 | 17246. | 0. | -17318. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 40. | -257. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 570. | 0. | 0. | -17866.7 | 17866.6 | -0.12 |
| 170 | 17318. | 0. | -17391. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 39. | -256. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 571. | 0. | 0. | -17939.1 | 17939.0 | -0.11 |
| 171 | 17391. | 0. | -17465. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 38. | -256. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 572. | 0. | 0. | -18012.3 | 18012.2 | -0.12 |
| 172 | 17465. | 0. | -17540. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 37. | -255. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 573. | 0. | 0. | -18086.1 | 18086.0 | -0.11 |
| 173 | 17540. | 0. | -17615. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 36. | -255. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 574. | 0. | 0. | -18160.5 | 18160.4 | -0.12 |
| 174 | 17615. | 0. | -17690. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 35. | -254. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 575. | 0. | 0. | -18235.5 | 18235.4 | -0.12 |
| 175 | 17690. | 0. | -17766. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 34. | -254. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 576. | 0. | 0. | -18311.1 | 18311.0 | -0.12 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 176 | 17766. | 0. | -17843. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 33. | -254. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 577. | 0. | 0. | -18387.2 | 18387.1 | -0.12 |
| 177 | 17843. | 0. | -17920. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 32. | -253. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 578. | 0. | 0. | -18463.8 | 18463.7 | -0.12 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | 17920. | 0. | -17998. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 31. | -253. | -67. | 0. | 0. | -224. | 0. | 0. | 0. | 579. | 0. | 0. | -18540.9 | 18540.7 | -0.12 |
| 179 | 17998. | 0. | -18076. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 30. | -253. | -66. | 0. | 0. | -224. | 0. | 0. | 0. | 580. | 0. | 0. | -18618.4 | 18618.2 | -0.12 |
| 180 | 18076. | 0. | -18154. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 29. | -252. | -66. | 0. | 0. | -224. | 0. | 0. | 0. | 581. | 0. | 0. | -18696.3 | 18696.2 | -0.13 |
| 181 | 18154. | 0. | -21816. | 0. | 0. | 0. | 10. | 0. | 0. | 4020. | -319. | 10. | -350. | -68. | 0. | 0. | -224. | 0. | 0. | 0. | 582. | 0. | 0. | -22776.6 | 22776.4 | -0.15 |
| 182 | 21816. | 0. | -21784. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 11. | -345. | -68. | 0. | 0. | -224. | 0. | 0. | 0. | 583. | 0. | 0. | -22420.6 | 22420.5 | -0.14 |
| 183 | 21784. | 0. | -21758. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 11. | -341. | -68. | 0. | 0. | -223. | 0. | 0. | 0. | 584. | 0. | 0. | -22390.0 | 22389.9 | -0.14 |
| 184 | 21758. | 0. | -21738. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -336. | -68. | 0. | 0. | -223. | 0. | 0. | 0. | 585. | 0. | 0. | -22365.6 | 22365.4 | -0.14 |
| 185 | 21738. | 0. | -21724. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -332. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 586. | 0. | 0. | -22347.0 | 22346.9 | -0.14 |
| 186 | 21724. | 0. | -21715. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -328. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 587. | 0. | 0. | -22334.1 | 22333.9 | -0.14 |
| 187 | 21715. | 0. | -21712. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -324. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 588. | 0. | 0. | -22326.4 | 22326.3 | -0.14 |
| 188 | 21712. | 0. | -21713. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -321. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 589. | 0. | 0. | -22323.8 | 22323.7 | -0.14 |
| 189 | 21713. | 0. | -21718. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -317. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 590. | 0. | 0. | -22326.0 | 22325.9 | -0.15 |
| 190 | 21718. | 0. | -21729. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -314. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 591. | 0. | 0. | -22332.8 | 22332.6 | -0.14 |
| 191 | 21729. | 0. | -21743. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -311. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 592. | 0. | 0. | -22343.9 | 22343.8 | -0.14 |
| 192 | 21743. | 0. | -21761. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -308. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 593. | 0. | 0. | -22359.2 | 22359.1 | -0.15 |
| 193 | 21761. | 0. | -21784. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 13. | -305. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 594. | 0. | 0. | -22378.4 | 22378.3 | -0.15 |
| 194 | 21784. | 0. | -21810. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -302. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 595. | 0. | 0. | -22401.4 | 22401.3 | -0.14 |
| 195 | 21810. | 0. | -21839. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -300. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 596. | 0. | 0. | -22428.0 | 22427.9 | -0.15 |
| 196 | 21839. | 0. | -21871. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -297. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 597. | 0. | 0. | -22458.0 | 22457.8 | -0.15 |
| 197 | 21871. | 0. | -21907. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 12. | -295. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 598. | 0. | 0. | -22491.2 | 22491.0 | -0.15 |
| 198 | 21907. | 0. | -21946. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 11. | -292. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 599. | 0. | 0. | -22527.5 | 22527.3 | -0.15 |
| 199 | 21946. | 0. | -21987. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 11. | -290. | -67. | 0. | 0. | -223. | 0. | 0. | 0. | 600. | 0. | 0. | -22566.7 | 22566.5 | -0.15 |
| 200 | 21987. | 0. | -22031. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 10. | -288. | -67. | 0. | 0. | -222. | 0. | 0. | 0. | 601. | 0. | 0. | -22608.7 | 22608.5 | -0.14 |
| 201 | 22031. | 0. | -22078. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 10. | -286. | -67. | 0. | 0. | -222. | 0. | 0. | 0. | 602. | 0. | 0. | -22653.4 | 22653.2 | -0.15 |
| 202 | 22078. | 0. | -22127. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 9. | -285. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 603. | 0. | 0. | -22700.6 | 22700.4 | -0.15 |
| 203 | 22127. | 0. | -22179. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 9. | -283. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 604. | 0. | 0. | -22750.2 | 22750.0 | -0.15 |
| 204 | 22179. | 0. | -22232. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 8. | -281. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 605. | 0. | 0. | -22802.1 | 22801.9 | -0.15 |
| 205 | 22232. | 0. | -22288. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 8. | -280. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 606. | 0. | 0. | -22856.2 | 22856.0 | -0.15 |
| 206 | 22288. | 0. | -22346. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 7. | -278. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 607. | 0. | 0. | -22912.4 | 22912.2 | -0.15 |
| 207 | 22346. | 0. | -22406. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 6. | -277. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 608. | 0. | 0. | -22970.5 | 22970.4 | -0.15 |
| 208 | 22406. | 0. | -22467. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 6. | -275. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 609. | 0. | 0. | -23030.6 | 23030.4 | -0.15 |
| 209 | 22467. | 0. | -22531. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 5. | -274. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 610. | 0. | 0. | -23092.4 | 23092.2 | -0.15 |
| 210 | 22531. | 0. | -22595. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 4. | -273. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 611. | 0. | 0. | -23155.9 | 23155.8 | -0.15 |
| 211 | 22595. | 0. | -22662. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 4. | -271. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 612. | 0. | 0. | -23221.1 | 23220.9 | -0.15 |
| 212 | 22662. | 0. | -22730. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 3. | -270. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 612. | 0. | 0. | -23287.8 | 23287.6 | -0.15 |
| 213 | 22730. | 0. | -22799. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 2. | -269. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 613. | 0. | 0. | -23356.0 | 23355.8 | -0.15 |
| 214 | 22799. | 0. | -22870. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 1. | -268. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 614. | 0. | 0. | -23425.6 | 23425.4 | -0.16 |
| 215 | 22870. | 0. | -22942. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 1. | -267. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 615. | 0. | 0. | -23496.5 | 23496.4 | -0.16 |
| 216 | 22942. | 0. | -23015. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | -266. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 616. | 0. | 0. | -23568.9 | 23568.7 | -0.16 |
| 217 | 23015. | 0. | -23090. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -1. | -265. | -66. | 0. | 0. | -222. | 0. | 0. | 0. | 617. | 0. | 0. | -23643.1 | 23643.0 | -0.16 |
| 218 | 23090. | 0. | -23165. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -2. | -264. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 618. | 0. | 0. | -23718.6 | 23718.4 | -0.16 |
| 219 | 23165. | 0. | -23242. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -3. | -264. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 619. | 0. | 0. | -23795.1 | 23794.9 | -0.16 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 220 | 23242. | 0. | -23320. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -4. | -263. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 620. | 0. | 0. | -23872.7 | 23872.5 | -0.16 |
| 221 | 23320. | 0. | -8130. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0.****** | -4. | -262. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 621. | 0. | 0. | -23951.3 | 23951.1 | -0.16 |
| 222 | 8130. | 0. | -8209. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -7. | -260. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 622. | 0. | 0. | -8762.1 | 8761.9 | -0.16 |
| 223 | 8209. | 0. | -8288. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -10. | -259. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 623. | 0. | 0. | -8842.1 | 8841.9 | -0.17 |
| 224 | 8288. | 0. | -8367. | 0. | 0. | 0. | 10. | 0. | 0. | 0. | 0. | -12. | -257. | -65. | 0. | 0. | -221. | 0. | 0. | 0. | 624. | 0. | 0. | -8922.3 | 8922.1 | -0.17 |
| 405 | 8367. | 946. | -9447. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | 0. | -253. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -9864.6 | 9864.5 | -0.14 |
| 406 | 9447. | 0. | -9573. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -259. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -9998.1 | 9998.0 | -0.14 |
| 407 | 9573. | 0. | -9690. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -5. | -264. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10123.5 | 10123.3 | -0.14 |
| 408 | 9690. | 0. | -9800. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -8. | -268. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10241.0 | 10240.8 | -0.15 |
| 409 | 9800. | 0. | -9904. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -10. | -272. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10351.4 | 10351.2 | -0.15 |
| 410 | 9904. | 0. | -10002. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -12. | -276. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10455.2 | 10455.1 | -0.15 |
| 411 | 10002. | 0. | -10095. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -14. | -280. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10553.2 | 10553.0 | -0.15 |
| 412 | 10095. | 0. | -10182. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -283. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10645.7 | 10645.5 | -0.15 |
| 413 | 10182. | 0. | -10183. | 0. | 0. | 0. | 13. | 0. | 0. | 612. | -629. | -8. | -358. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11344.8 | 11344.7 | -0.15 |
| 414 | 10183. | 0. | -10205. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -8. | -354. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10733.9 | 10733.8 | -0.15 |
| 415 | 10205. | 0. | -10230. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -9. | -351. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10755.5 | 10755.4 | -0.15 |
| 416 | 10230. | 0. | -10258. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -9. | -348. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10780.5 | 10780.4 | -0.15 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 417 | 10258. | 0. | -10288. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -9. | -345. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10808.5 | 10808.4 | -0.15 |
| 418 | 10288. | 0. | -10321. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -10. | -342. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10839.2 | 10839.1 | -0.15 |
| 419 | 10321. | 0. | -10356. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -10. | -339. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10872.3 | 10872.1 | -0.15 |
| 420 | 10356. | 0. | -10393. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -11. | -337. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10907.4 | 10907.2 | -0.15 |
| 421 | 10393. | 0. | -10432. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -12. | -335. | -59. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10944.3 | 10944.1 | -0.15 |
| 422 | 10432. | 0. | -10472. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -12. | -333. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -10982.8 | 10982.6 | -0.15 |
| 423 | 10472. | 0. | -10513. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -13. | -332. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11022.6 | 11022.5 | -0.15 |
| 424 | 10513. | 0. | -10555. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -14. | -330. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11063.6 | 11063.5 | -0.15 |
| 425 | 10555. | 0. | -10598. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -14. | -329. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11105.6 | 11105.5 | -0.15 |
| 426 | 10598. | 0. | -10641. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -15. | -327. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11148.5 | 11148.3 | -0.15 |
| 427 | 10641. | 0. | -10685. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -326. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11192.0 | 11191.9 | -0.15 |
| 428 | 10685. | 0. | -10730. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -325. | -58. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11236.2 | 11236.0 | -0.15 |
| 429 | 10730. | 0. | -10775. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -324. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11280.8 | 11280.6 | -0.15 |
| 430 | 10775. | 0. | -10820. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -18. | -323. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11325.8 | 11325.6 | -0.15 |
| 431 | 10820. | 0. | -10866. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -322. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11371.1 | 11370.9 | -0.15 |
| 432 | 10866. | 0. | -10911. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -20. | -322. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11416.6 | 11416.4 | -0.15 |
| 433 | 10911. | 0. | -10957. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -20. | -321. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11462.2 | 11462.1 | -0.15 |
| 434 | 10957. | 0. | -11003. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -21. | -320. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11508.0 | 11507.8 | -0.15 |
| 435 | 11003. | 0. | -11049. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -22. | -320. | -57. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11553.7 | 11553.5 | -0.15 |
| 436 | 11049. | 0. | -11094. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -23. | -319. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11599.4 | 11599.2 | -0.15 |
| 437 | 11094. | 0. | -11140. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -23. | -319. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11645.0 | 11644.9 | -0.15 |
| 438 | 11140. | 0. | -11185. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -24. | -318. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11690.5 | 11690.4 | -0.15 |
| 439 | 11185. | 0. | -11230. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -25. | -318. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11735.8 | 11735.7 | -0.15 |
| 440 | 11230. | 0. | -11275. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -25. | -318. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11781.0 | 11780.8 | -0.15 |
| 441 | 11275. | 0. | -11320. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -26. | -317. | -56. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11825.9 | 11825.7 | -0.15 |
| 442 | 11320. | 0. | -11364. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -27. | -317. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11870.6 | 11870.4 | -0.15 |
| 443 | 11364. | 0. | -11408. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -28. | -317. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11915.0 | 11914.8 | -0.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 444 | 11408. | 0. | -11452. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -28. | -316. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -11959.1 | 11958.9 | -0.15 |
| 445 | 11452. | 0. | -11496. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -29. | -316. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12002.9 | 12002.8 | -0.15 |
| 446 | 11496. | 0. | -11539. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -30. | -316. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12046.4 | 12046.3 | -0.15 |
| 447 | 11539. | 0. | -11582. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -30. | -316. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12089.6 | 12089.4 | -0.15 |
| 448 | 11582. | 0. | -11624. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -31. | -316. | -55. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12132.4 | 12132.3 | -0.14 |
| 449 | 11624. | 0. | -11666. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -32. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12174.9 | 12174.8 | -0.15 |
| 450 | 11666. | 0. | -11708. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -32. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12217.1 | 12216.9 | -0.14 |
| 451 | 11708. | 0. | -11749. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -33. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12258.8 | 12258.7 | -0.15 |
| 452 | 11749. | 0. | -11790. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -34. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12300.3 | 12300.1 | -0.14 |
| 453 | 11790. | 0. | -11831. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -34. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12341.3 | 12341.2 | -0.14 |
| 454 | 11831. | 0. | -11872. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -35. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12382.0 | 12381.9 | -0.14 |
| 455 | 11872. | 0. | -11912. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -35. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12422.4 | 12422.2 | -0.14 |
| 456 | 11912. | 0. | -11951. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -36. | -315. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12462.4 | 12462.2 | -0.14 |
| 457 | 11951. | 0. | -11990. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -36. | -315. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12502.0 | 12501.8 | -0.14 |
| 458 | 11990. | 0. | -12029. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -37. | -315. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12541.2 | 12541.1 | -0.14 |
| 459 | 12029. | 0. | -12068. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -38. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12580.1 | 12580.0 | -0.14 |
| 460 | 12068. | 0. | -12106. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -38. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12618.7 | 12618.5 | -0.14 |
| 461 | 12106. | 0. | -12144. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -39. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12656.9 | 12656.8 | -0.14 |
| 462 | 12144. | 0. | -12181. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -39. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12694.7 | 12694.6 | -0.14 |
| 463 | 12181. | 0. | -12218. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -40. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12732.2 | 12732.1 | -0.14 |
| 464 | 12218. | 0. | -12255. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -40. | -314. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12769.3 | 12769.2 | -0.14 |
| 465 | 12255. | 0. | -12292. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -41. | -314. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12806.1 | 12806.0 | -0.14 |
| 466 | 12292. | 0. | -12328. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -41. | -314. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12842.6 | 12842.5 | -0.14 |
| 467 | 12328. | 0. | -12364. | 0. | 0. | 0. | 13. | 0. | 0. | 1. | 0. | -41. | -315. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12880.2 | 12880.1 | -0.14 |
| 468 | 12364. | 0. | -12399. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -42. | -315. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -12915.2 | 12915.1 | -0.14 |
| 469 | 12399. | 0. | -13719. | 0. | 0. | 0. | 13. | 0. | 0. | 1798. | -361. | -16. | -491. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14748.0 | 14747.8 | -0.15 |
| 470 | 13719. | 0. | -13616. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -13. | -479. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14269.5 | 14269.3 | -0.14 |
| 471 | 13616. | 0. | -13527. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -11. | -467. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14166.9 | 14166.7 | -0.14 |
| 472 | 13527. | 0. | -13450. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -10. | -457. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14077.6 | 14077.5 | -0.14 |
| 473 | 13450. | 0. | -13384. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -8. | -447. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14000.8 | 14000.6 | -0.14 |
| 474 | 13384. | 0. | -13329. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -7. | -438. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13935.2 | 13935.1 | -0.14 |
| 475 | 13329. | 0. | -13284. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -6. | -429. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13880.2 | 13880.1 | -0.14 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N DECA | NCM BKGD | SOD BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 476 | 13284. | 0. | -13248. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -5. | -421. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13834.9 | 13834.7 | -0.14 |
| 477 | 13248. | 0. | -13219. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -4. | -414. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13798.4 | 13798.3 | -0.13 |
| 478 | 13219. | 0. | -13199. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -407. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13770.2 | 13770.0 | -0.13 |
| 479 | 13199. | 0. | -13185. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -401. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13749.5 | 13749.3 | -0.13 |
| 480 | 13185. | 0. | -13177. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -395. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13735.7 | 13735.5 | -0.13 |
| 481 | 13177. | 0. | -13176. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -389. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13728.3 | 13728.1 | -0.13 |
| 482 | 13176. | 0. | -13180. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -384. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13726.7 | 13726.6 | -0.13 |
| 483 | 13180. | 0. | -13188. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -379. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13730.5 | 13730.4 | -0.13 |
| 484 | 13188. | 0. | -13202. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -375. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13739.2 | 13739.1 | -0.13 |
| 485 | 13202. | 0. | -13219. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -371. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13752.5 | 13752.3 | -0.13 |
| 486 | 13219. | 0. | -13240. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -367. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13769.8 | 13769.7 | -0.13 |
| 487 | 13240. | 0. | -13265. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -363. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13790.9 | 13790.8 | -0.13 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 488 | 13265. | 0. | -13292. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -2. | -360. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13815.4 | 13815.3 | -0.13 |
| 489 | 13292. | 0. | -13323. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -357. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13843.1 | 13843.0 | -0.13 |
| 490 | 13323. | 0. | -13356. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -354. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13873.6 | 13873.5 | -0.13 |
| 491 | 13356. | 0. | -13391. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -351. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13906.8 | 13906.6 | -0.13 |
| 492 | 13391. | 0. | -13429. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -4. | -349. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -13942.2 | 13942.1 | -0.14 |
| 493 | 13429. | 0. | -13651. | 0. | 0. | 0. | 13. | 0. | 0. | 196. | 0. | -2. | -362. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14175.5 | 14175.4 | -0.13 |
| 494 | 13651. | 0. | -13680. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -358. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14201.5 | 14201.4 | -0.13 |
| 495 | 13680. | 0. | -13711. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -355. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14230.5 | 14230.4 | -0.13 |
| 496 | 13711. | 0. | -13745. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -3. | -353. | -54. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14262.2 | 14262.1 | -0.13 |
| 497 | 13745. | 0. | -13782. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -4. | -350. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14296.3 | 14296.2 | -0.13 |
| 498 | 13782. | 0. | -13820. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -4. | -348. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14332.7 | 14332.6 | -0.13 |
| 499 | 13820. | 0. | -13860. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -5. | -345. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14371.1 | 14370.9 | -0.13 |
| 500 | 13860. | 0. | -13902. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -5. | -343. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14411.3 | 14411.1 | -0.13 |
| 501 | 13902. | 0. | -13946. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -6. | -341. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14453.1 | 14453.0 | -0.13 |
| 502 | 13946. | 0. | -13990. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -6. | -340. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14496.5 | 14496.3 | -0.13 |
| 503 | 13990. | 0. | -14036. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -7. | -338. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14541.2 | 14541.0 | -0.14 |
| 504 | 14036. | 0. | -14083. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -7. | -336. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14587.0 | 14586.9 | -0.13 |
| 505 | 14083. | 0. | -14131. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -8. | -335. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14633.9 | 14633.8 | -0.14 |
| 506 | 14131. | 0. | -14180. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -9. | -333. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14681.8 | 14681.7 | -0.14 |
| 507 | 14180. | 0. | -14229. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -9. | -332. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14730.5 | 14730.4 | -0.13 |
| 508 | 14229. | 0. | -14279. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -10. | -331. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14779.9 | 14779.8 | -0.13 |
| 509 | 14279. | 0. | -14330. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -11. | -330. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14829.9 | 14829.8 | -0.14 |
| 510 | 14330. | 0. | -14381. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -11. | -329. | -53. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14880.5 | 14880.4 | -0.14 |
| 511 | 14381. | 0. | -14432. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -12. | -328. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14931.6 | 14931.4 | -0.14 |
| 512 | 14432. | 0. | -14484. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -13. | -327. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -14983.0 | 14982.9 | -0.14 |
| 513 | 14484. | 0. | -14536. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -13. | -326. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15034.7 | 15034.6 | -0.14 |
| 514 | 14536. | 0. | -14588. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -14. | -325. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15086.7 | 15086.6 | -0.14 |
| 515 | 14588. | 0. | -14640. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -15. | -325. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15138.9 | 15138.8 | -0.14 |
| 516 | 14640. | 0. | -14693. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -15. | -324. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15191.2 | 15191.1 | -0.14 |
| 517 | 14693. | 0. | -14745. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -323. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15243.7 | 15243.5 | -0.14 |
| 518 | 14745. | 0. | -14798. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -323. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15296.1 | 15296.0 | -0.14 |
| 519 | 14798. | 0. | -14850. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -322. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15348.6 | 15348.5 | -0.14 |
| 520 | 14850. | 0. | -14903. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -18. | -321. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15401.1 | 15400.9 | -0.14 |
| 521 | 14903. | 0. | -14955. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -321. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15453.5 | 15453.3 | -0.14 |
| 522 | 14955. | 0. | -15007. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -320. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15505.8 | 15505.6 | -0.14 |
| 523 | 15007. | 0. | -15059. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -20. | -320. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15558.0 | 15557.8 | -0.14 |
| 524 | 15059. | 0. | -15111. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -21. | -320. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -15610.0 | 15609.9 | -0.14 |
| 525 | 15111. | 0. | -15654. | 0. | 0. | 0. | 13. | 0. | 0. | 526. | 0. | -16. | -359. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16187.9 | 16187.7 | -0.14 |
| 526 | 15654. | 0. | -15675. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -356. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16205.3 | 16205.2 | -0.14 |
| 527 | 15675. | 0. | -15697. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -353. | -52. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16225.6 | 16225.4 | -0.14 |
| 528 | 15697. | 0. | -15723. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -351. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16248.3 | 16248.2 | -0.14 |
| 529 | 15723. | 0. | -15750. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -16. | -349. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16273.5 | 16273.3 | -0.14 |
| 530 | 15750. | 0. | -15779. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -347. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16300.8 | 16300.6 | -0.14 |
| 531 | 15779. | 0. | -15810. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -345. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16330.0 | 16329.9 | -0.14 |
| 532 | 15810. | 0. | -15843. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -343. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16361.1 | 16361.0 | -0.14 |
| 533 | 15843. | 0. | -15877. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -17. | -341. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16393.9 | 16393.8 | -0.14 |
| 534 | 15877. | 0. | -15913. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -18. | -339. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16428.2 | 16428.0 | -0.14 |

DISSOLVED OXYGEN LOADING FOR REACH 1: ICWW

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 535 | 15913. | 0. | -15950. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -18. | -338. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16463.9 | 16463.7 | -0.14 |
| 536 | 15950. | 0. | -15988. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -336. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16500.8 | 16500.7 | -0.14 |
| 537 | 15988. | 0. | -16027. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -335. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16538.9 | 16538.8 | -0.14 |
| 538 | 16027. | 0. | -16067. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -19. | -334. | -51. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16578.1 | 16577.9 | -0.14 |
| 539 | 16067. | 0. | -16108. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -20. | -332. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16618.2 | 16618.0 | -0.14 |
| 540 | 16108. | 0. | -16150. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -20. | -331. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16659.1 | 16659.0 | -0.14 |
| 541 | 16150. | 0. | -15921. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | -272. | -21. | -330. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16700.8 | 16700.7 | -0.14 |
| 542 | 15921. | 0. | -15964. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -21. | -329. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16471.6 | 16471.5 | -0.13 |
| 543 | 15964. | 0. | -16007. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -22. | -328. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16514.6 | 16514.5 | -0.13 |
| 544 | 16007. | 0. | -16051. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -22. | -327. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16558.2 | 16558.1 | -0.13 |
| 545 | 16051. | 0. | -16096. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -23. | -327. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16602.2 | 16602.1 | -0.14 |
| 546 | 16096. | 0. | -16141. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -23. | -326. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16646.6 | 16646.5 | -0.13 |
| 547 | 16141. | 0. | -16186. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -24. | -325. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16691.4 | 16691.3 | -0.13 |
| 548 | 16186. | 0. | -16231. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -24. | -324. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16736.5 | 16736.4 | -0.13 |
| 549 | 16231. | 0. | -16277. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -25. | -324. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16781.9 | 16781.7 | -0.13 |
| 550 | 16277. | 0. | -16322. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -25. | -323. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16827.4 | 16827.3 | -0.13 |
| 551 | 16322. | 0. | -16368. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -26. | -323. | -50. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16873.1 | 16872.9 | -0.13 |
| 552 | 16368. | 0. | -16414. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -26. | -322. | -49. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16918.9 | 16918.8 | -0.13 |
| 553 | 16414. | 0. | -16460. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -27. | -322. | -49. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -16964.8 | 16964.7 | -0.13 |
| 554 | 16460. | 0. | -16506. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -27. | -321. | -49. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -17010.7 | 17010.6 | -0.13 |
| 555 | 16506. | 0. | -16552. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -28. | -321. | -49. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -17056.7 | 17056.6 | -0.13 |
| 556 | 16552. | 0. | -16598. | 0. | 0. | 0. | 13. | 0. | 0. | 0. | 0. | -28. | -320. | -49. | 0. | 0. | -107. | 0. | 0. | 0. | 537. | 0. | 0. | -17102.7 | 17102.5 | -0.13 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 3. | 0. | -10. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -154. | -15. | -6. | 0. | 0. | -74. | 0. | 0. | 0. | 255. | 0. | 0. | -259.4 | 259.4 | -0.01 |
| 226 | 10. | 0. | -14. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -3. | 0. | 0. | -74. | 0. | 0. | 0. | 255. | 0. | 0. | -266.6 | 266.6 | 0.00 |
| 227 | 14. | 0. | -18. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -167. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 255. | 0. | 0. | -270.7 | 270.7 | 0.00 |
| 228 | 18. | 0. | -22. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -167. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -274.5 | 274.5 | 0.00 |
| 229 | 22. | 0. | -26. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -167. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -278.4 | 278.4 | 0.00 |
| 230 | 26. | 0. | -30. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -167. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -282.2 | 282.2 | 0.00 |
| 231 | 30. | 0. | -34. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -167. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -286.0 | 286.0 | 0.00 |
| 232 | 34. | 0. | -38. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -289.8 | 289.8 | 0.00 |
| 233 | 38. | 0. | -42. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -293.6 | 293.6 | 0.00 |
| 234 | 42. | 0. | -45. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -297.4 | 297.4 | 0.00 |
| 235 | 45. | 0. | -49. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -301.3 | 301.3 | 0.00 |
| 236 | 49. | 0. | -53. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -305.1 | 305.1 | 0.00 |
| 237 | 53. | 0. | -57. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -308.9 | 308.9 | 0.00 |
| 238 | 57. | 0. | -61. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -312.7 | 312.7 | 0.00 |
| 239 | 61. | 0. | -65. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -316.5 | 316.5 | 0.00 |
| 240 | 65. | 0. | -69. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -320.3 | 320.3 | 0.00 |
| 241 | 69. | 0. | -72. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -324.2 | 324.2 | 0.00 |
| 242 | 72. | 0. | -76. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -328.0 | 328.0 | 0.00 |
| 243 | 76. | 0. | -80. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -331.8 | 331.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244 | 80. | 0. | -84. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -335.6 | 335.6 | 0.00 |
| 245 | 84. | 0. | -88. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -339.4 | 339.4 | 0.00 |
| 246 | 88. | 0. | -92. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -343.3 | 343.2 | 0.00 |
| 247 | 92. | 0. | -96. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -347.1 | 347.1 | 0.00 |
| 248 | 96. | 0. | -99. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 254. | 0. | 0. | -350.9 | 350.9 | 0.00 |
| 249 | 99. | 0. | -103. | 0. | 0. | 0. | 2. | 0. | 0. | 0. | 0. | -166. | -10. | -2. | 0. | 0. | -73. | 0. | 0. | 0. | 253. | 0. | 0. | -354.7 | 354.7 | 0.00 |
| 250 | 103. | 0. | -88. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -13. | -2. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 10. | 0. | 0. | -115.1 | 115.1 | 0.00 |
| 251 | 88. | 0. | -79. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -6. | -3. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 11. | 0. | 0. | -100.0 | 100.0 | 0.00 |
| 252 | 79. | 0. | -75. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | -4. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 11. | 0. | 0. | -91.7 | 91.7 | 0.00 |
| 253 | 75. | 0. | -72. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -5. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 11. | 0. | 0. | -88.9 | 88.9 | 0.00 |
| 254 | 72. | 0. | -71. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -5. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 12. | 0. | 0. | -88.5 | 88.5 | 0.00 |
| 255 | 71. | 0. | -71. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -6. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 12. | 0. | 0. | -89.0 | 89.0 | 0.00 |
| 256 | 71. | 0. | -72. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 12. | 0. | 0. | -89.9 | 89.9 | 0.00 |
| 257 | 72. | 0. | -73. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 13. | 0. | 0. | -91.2 | 91.2 | 0.00 |
| 258 | 73. | 0. | -74. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 13. | 0. | 0. | -92.6 | 92.6 | 0.00 |
| 259 | 74. | 0. | -76. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 13. | 0. | 0. | -94.3 | 94.3 | 0.00 |
| 260 | 76. | 0. | -77. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | 0. | 0. | 0. | -12. | 0. | 0. | 0. | 13. | 0. | 0. | -96.1 | 96.1 | 0.00 |
| 261 | 77. | 0. | -79. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 14. | 0. | 0. | -97.9 | 97.9 | 0.00 |
| 262 | 79. | 0. | -81. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 14. | 0. | 0. | -99.7 | 99.7 | 0.00 |
| 263 | 81. | 0. | -82. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 14. | 0. | 0. | -101.6 | 101.6 | 0.00 |
| 264 | 82. | 0. | -84. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 15. | 0. | 0. | -103.6 | 103.6 | 0.00 |
| 265 | 84. | 0. | -86. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 15. | 0. | 0. | -105.6 | 105.6 | 0.00 |
| 266 | 86. | 0. | -88. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 15. | 0. | 0. | -107.7 | 107.7 | 0.00 |
| 267 | 88. | 0. | -90. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 15. | 0. | 0. | -109.8 | 109.8 | 0.00 |
| 268 | 90. | 0. | -92. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 16. | 0. | 0. | -111.9 | 111.9 | 0.00 |
| 269 | 92. | 0. | -94. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 16. | 0. | 0. | -114.0 | 114.0 | 0.00 |
| 270 | 94. | 0. | -97. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 16. | 0. | 0. | -116.2 | 116.2 | 0.00 |
| 271 | 97. | 0. | -99. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 17. | 0. | 0. | -118.4 | 118.4 | 0.00 |
| 272 | 99. | 0. | -101. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 17. | 0. | 0. | -120.6 | 120.6 | 0.00 |
| 273 | 101. | 0. | -103. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 17. | 0. | 0. | -122.8 | 122.8 | 0.00 |
| 274 | 103. | 0. | -105. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 17. | 0. | 0. | -125.1 | 125.1 | 0.00 |
| 275 | 105. | 0. | -108. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 18. | 0. | 0. | -127.4 | 127.4 | 0.00 |
| 276 | 108. | 0. | -110. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 18. | 0. | 0. | -129.7 | 129.7 | 0.00 |
| 277 | 110. | 0. | -112. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -7. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 18. | 0. | 0. | -132.0 | 132.0 | 0.00 |
| 278 | 112. | 0. | -115. | 0. | 0. | 0. | 1. | 0. | 0. | 1. | 0. | 2. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 19. | 0. | 0. | -135.2 | 135.2 | 0.00 |
| 279 | 115. | 0. | -117. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 19. | 0. | 0. | -137.4 | 137.4 | 0.00 |
| 280 | 117. | 0. | -119. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 19. | 0. | 0. | -139.6 | 139.6 | 0.00 |
| 281 | 119. | 0. | -122. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 2. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 20. | 0. | 0. | -142.0 | 142.0 | 0.00 |
| 282 | 122. | 0. | -124. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 20. | 0. | 0. | -144.4 | 144.4 | 0.00 |
| 283 | 124. | 0. | -127. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 20. | 0. | 0. | -146.8 | 146.8 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 284 | 127. | 0. | -129. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -8. | -1. | 0. | 0. | -12. | 0. | 0. | 0. | 20. | 0. | 0. | -149.3 | 149.3 | 0.00 |
| 285 | 129. | 0. | -123. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -8. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -153.7 | 153.7 | 0.00 |
| 286 | 123. | 0. | -120. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -149.4 | 149.4 | 0.00 |
| 287 | 120. | 0. | -117. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -146.6 | 146.6 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 288 | 117. | 0. | -116. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -7. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -145.0 | 145.0 | 0.00 |
| 289 | 116. | 0. | -116. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -144.1 | 144.1 | 0.00 |
| 290 | 116. | 0. | -116. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -143.8 | 143.8 | 0.00 |
| 291 | 116. | 0. | -116. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -143.9 | 143.9 | 0.00 |
| 292 | 116. | 0. | -117. | 0. | 0. | 0. | 1. | 0. | 0. | 1. | 0. | 8. | -6. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -145.2 | 145.2 | 0.00 |
| 293 | 117. | 0. | -117. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 20. | 0. | 0. | -145.4 | 145.4 | 0.00 |
| 294 | 117. | 0. | -118. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -145.8 | 145.8 | 0.00 |
| 295 | 118. | 0. | -119. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -146.3 | 146.3 | 0.00 |
| 296 | 119. | 0. | -119. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -147.0 | 147.0 | 0.00 |
| 297 | 119. | 0. | -120. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -147.7 | 147.7 | 0.00 |
| 298 | 120. | 0. | -121. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -148.4 | 148.4 | 0.00 |
| 299 | 121. | 0. | -122. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -149.1 | 149.1 | 0.00 |
| 300 | 122. | 0. | -123. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -149.9 | 149.9 | 0.00 |
| 301 | 123. | 0. | -124. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -5. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -150.6 | 150.6 | 0.00 |
| 302 | 124. | 0. | -124. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -151.3 | 151.3 | 0.00 |
| 303 | 124. | 0. | -125. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -152.0 | 152.0 | 0.00 |
| 304 | 125. | 0. | -126. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -152.7 | 152.7 | 0.00 |
| 305 | 126. | 0. | -127. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 19. | 0. | 0. | -153.4 | 153.4 | 0.00 |
| 306 | 127. | 0. | -127. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -154.0 | 154.0 | 0.00 |
| 307 | 127. | 0. | -128. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -154.7 | 154.7 | 0.00 |
| 308 | 128. | 0. | -129. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -155.3 | 155.3 | 0.00 |
| 309 | 129. | 0. | -129. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -155.9 | 155.9 | 0.00 |
| 310 | 129. | 0. | -130. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -156.5 | 156.5 | 0.00 |
| 311 | 130. | 0. | -131. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -157.1 | 157.1 | 0.00 |
| 312 | 131. | 0. | -131. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -158.0 | 158.0 | 0.00 |
| 313 | 131. | 0. | -132. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -158.4 | 158.4 | 0.00 |
| 314 | 132. | 0. | -132. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -158.9 | 158.9 | 0.00 |
| 315 | 132. | 0. | -133. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -159.4 | 159.4 | 0.00 |
| 316 | 133. | 0. | -133. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 18. | 0. | 0. | -159.9 | 159.9 | 0.00 |
| 317 | 133. | 0. | -134. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -160.4 | 160.4 | 0.00 |
| 318 | 134. | 0. | -134. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -160.9 | 160.9 | 0.00 |
| 319 | 134. | 0. | -135. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -161.4 | 161.4 | 0.00 |
| 320 | 135. | 0. | -136. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -161.9 | 161.9 | 0.00 |
| 321 | 136. | 0. | -136. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -162.4 | 162.4 | 0.00 |
| 322 | 136. | 0. | -137. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -162.9 | 162.9 | 0.00 |
| 323 | 137. | 0. | -137. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -163.4 | 163.4 | 0.00 |
| 324 | 137. | 0. | -138. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -163.9 | 163.9 | 0.00 |
| 325 | 138. | 0. | -138. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -164.4 | 164.4 | 0.00 |
| 326 | 138. | 0. | -139. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -164.9 | 164.9 | 0.00 |
| 327 | 139. | 0. | -139. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 17. | 0. | 0. | -165.3 | 165.3 | 0.00 |
| 328 | 139. | 0. | -140. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -165.8 | 165.8 | 0.00 |
| 329 | 140. | 0. | -140. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -166.3 | 166.3 | 0.00 |
| 330 | 140. | 0. | -140. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -166.7 | 166.7 | 0.00 |
| 331 | 140. | 0. | -141. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -167.3 | 167.3 | 0.00 |
| 332 | 141. | 0. | -141. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -167.7 | 167.7 | 0.00 |
| 333 | 141. | 0. | -142. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -168.1 | 168.1 | 0.00 |
| 334 | 142. | 0. | -142. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -168.5 | 168.5 | 0.00 |
| 335 | 142. | 0. | -143. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -168.9 | 168.9 | 0.00 |
| 336 | 143. | 0. | -143. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -169.3 | 169.3 | 0.00 |
| 337 | 143. | 0. | -144. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -169.8 | 169.8 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 338 | 144. | 0. | -144. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 16. | 0. | 0. | -170.2 | 170.2 | 0.00 |
| 339 | 144. | 0. | -144. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -170.8 | 170.8 | 0.00 |
| 340 | 144. | 0. | -145. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -171.2 | 171.2 | 0.00 |
| 341 | 145. | 0. | -145. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -171.5 | 171.5 | 0.00 |
| 342 | 145. | 0. | -146. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -171.9 | 171.9 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

| 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 BKGD | ORG-N BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 343 | 146. | 0. | -146. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -172.3 | 172.3 | 0.00 |
| 344 | 146. | 0. | -146. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -22. | 0. | 0. | 0. | 15. | 0. | 0. | -172.7 | 172.7 | 0.00 |
| 345 | 146. | 0. | -147. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -173.1 | 173.1 | 0.00 |
| 346 | 147. | 0. | -147. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -173.5 | 173.5 | 0.00 |
| 347 | 147. | 0. | -148. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -173.9 | 173.9 | 0.00 |
| 348 | 148. | 0. | -148. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -174.3 | 174.3 | 0.00 |
| 349 | 148. | 0. | -148. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -174.7 | 174.7 | 0.00 |
| 350 | 148. | 0. | -149. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 15. | 0. | 0. | -175.0 | 175.0 | 0.00 |
| 351 | 149. | 0. | -149. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -175.4 | 175.4 | 0.00 |
| 352 | 149. | 0. | -147. | 0. | 0. | 0. | 1. | 0. | 0. | 2. | 0. | 13. | -5. | -6. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -179.5 | 179.5 | 0.00 |
| 353 | 147. | 0. | -144. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -5. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -175.9 | 175.9 | 0.00 |
| 354 | 144. | 0. | -143. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -5. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -173.5 | 173.5 | 0.00 |
| 355 | 143. | 0. | -142. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -4. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -172.0 | 172.0 | 0.00 |
| 356 | 142. | 0. | -141. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -4. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -171.2 | 171.2 | 0.00 |
| 357 | 141. | 0. | -142. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -3. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -171.0 | 171.0 | 0.00 |
| 358 | 142. | 0. | -142. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -3. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -171.1 | 171.1 | 0.00 |
| 359 | 142. | 0. | -143. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -3. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -171.5 | 171.5 | 0.00 |
| 360 | 143. | 0. | -144. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -172.1 | 172.1 | 0.00 |
| 361 | 144. | 0. | -145. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 14. | 0. | 0. | -172.8 | 172.8 | 0.00 |
| 362 | 145. | 0. | -146. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -173.6 | 173.6 | 0.00 |
| 363 | 146. | 0. | -147. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -174.4 | 174.4 | 0.00 |
| 364 | 147. | 0. | -148. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -175.3 | 175.3 | 0.00 |
| 365 | 148. | 0. | -149. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -176.1 | 176.1 | 0.00 |
| 366 | 149. | 0. | -150. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -4. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -177.0 | 177.0 | 0.00 |
| 367 | 150. | 0. | -151. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -177.8 | 177.8 | 0.00 |
| 368 | 151. | 0. | -152. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -178.6 | 178.6 | 0.00 |
| 369 | 152. | 0. | -153. | 0. | 0. | 0. | 1. | 0. | 0. | 1. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -180.1 | 180.1 | 0.00 |
| 370 | 153. | 0. | -154. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -180.7 | 180.7 | 0.00 |
| 371 | 154. | 0. | -154. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -181.3 | 181.3 | 0.00 |
| 372 | 154. | 0. | -155. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -4. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 13. | 0. | 0. | -181.9 | 181.9 | 0.00 |
| 373 | 155. | 0. | -607. | 0. | 0. | 0. | 1. | 0. | 0. | 473. | 0. | -5. | -6. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -641.4 | 641.4 | 0.00 |
| 374 | 607. | 0. | -588. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -3. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -620.1 | 620.1 | 0.00 |
| 375 | 588. | 0. | -570. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | -1. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -600.6 | 600.6 | 0.00 |
| 376 | 570. | 0. | -554. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -582.9 | 582.9 | 0.00 |
| 377 | 554. | 0. | -539. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -568.0 | 568.0 | 0.00 |
| 378 | 539. | 0. | -526. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 3. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -554.5 | 554.5 | 0.00 |
| 379 | 526. | 0. | -513. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 4. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -542.1 | 542.1 | 0.00 |
| 380 | 513. | 0. | -502. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 5. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -530.8 | 530.8 | 0.00 |
| 381 | 502. | 0. | -492. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 6. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -520.5 | 520.5 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 382 | 492. | 0. | -483. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 7. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -511.1 | 511.1 | 0.00 |
| 383 | 483. | 0. | -474. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -502.5 | 502.5 | 0.00 |
| 384 | 474. | 0. | -466. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 8. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 12. | 0. | 0. | -494.6 | 494.6 | 0.00 |
| 385 | 466. | 0. | -459. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 9. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -487.5 | 487.5 | 0.00 |
| 386 | 459. | 0. | -453. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -6. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -480.9 | 480.9 | 0.00 |
| 387 | 453. | 0. | -447. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 10. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -474.9 | 474.9 | 0.00 |
| 388 | 447. | 0. | -441. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -469.4 | 469.4 | 0.00 |
| 389 | 441. | 0. | -436. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 11. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -464.4 | 464.4 | 0.00 |
| 390 | 436. | 0. | -432. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -459.8 | 459.8 | 0.00 |
| 391 | 432. | 0. | -428. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 12. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -455.7 | 455.7 | 0.00 |
| 392 | 428. | 0. | -424. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -451.8 | 451.8 | 0.00 |
| 393 | 424. | 0. | -421. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -448.3 | 448.3 | 0.00 |
| 394 | 421. | 0. | -417. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 13. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -445.1 | 445.1 | 0.00 |
| 395 | 417. | 0. | -414. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 11. | 0. | 0. | -442.2 | 442.2 | 0.00 |
| 396 | 414. | 0. | -412. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -439.5 | 439.5 | 0.00 |
| 397 | 412. | 0. | -409. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -437.0 | 437.0 | 0.00 |
| 398 | 409. | 0. | -407. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 14. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -434.8 | 434.8 | 0.00 |
| 399 | 407. | 0. | -405. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -432.7 | 432.7 | 0.00 |
| 400 | 405. | 0. | -403. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 15. | -5. | -1. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -430.8 | 430.8 | 0.00 |
| 401 | 403. | 0. | -961. | 0. | 0. | 0. | 1. | 0. | 0. | 563. | 0. | 16. | -8. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -992.1 | 992.1 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Black

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 402 | 961. | 0. | -956. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 16. | -8. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -987.2 | 987.2 | 0.00 | |
| 403 | 956. | 0. | -951. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 16. | -8. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -982.3 | 982.3 | 0.00 | |
| 404 | 951. | 0. | -946. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 16. | -8. | -2. | 0. | 0. | -21. | 0. | 0. | 0. | 10. | 0. | 0. | -977.5 | 977.5 | 0.00 | |

LA-QUAL calibration for Gulf ICWW and Bayou Black
FTN Field Survey calibration

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 | 0.262 | 150.6 | 87.4 | 0 | 29.5 | 2.4 | 0 | 0 | 0 | 0 |
| INCREMENTAL INFLOW | 7.686 | 4723.2 | 4333.9 | 0 | 920.1 | 66.4 | 0 | 0 | 0 | 0 |
| INCREMENTAL OUTFLOW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASTELOADS | 78.318 | 38494.9 | 32590 | 0 | 10261.4 | 697.1 | 2.8 | 0 | 0 | 0 |
| WITHDRAWLS | -62.708 | -33030.8 | -11975.1 | 0 | -6991.4 | -598.5 | 0 | 0 | 0 | 0 |
| FLOW THRU LOWER BNDRY | -23.558 | -16597.7 | -5045.7 | 0 | -1788.3 | -160.8 | 0 | 0 | 0 | 0 |
| DISPERSION THRU LOWER BNDRY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DISPERSION THRU HDWTR BNDRY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NON-POINT INPUT | | 0 | 113213.4 | 0 | 3864 | | | | | 0 |
| NATURAL REAERATION | | -1661.7 | | | | | | | | |
| DAM REAERATION | | 0 | | | | | | | | |
| BACKGROUND SOD | | -68203.4 | | | | | | | | |
| BOD#1 DECAY | | -133203.6 | -133203.6 | | | | | | | |
| BOD#1 SETTLING | | 0 | 0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0 | | | | | | | |
| BOD#2 DECAY | | 0 | | 0 | | | | | | |
| BOD#2 SETTLING | | 0 | | 0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0 | | | | | | |
| ORG-N DECAY | | 0 | | | -6295.2 | 6295.2 | | | | |
| ORG-N SETTLING | | | | | 0 | 0 | | | | |
| NH3 DECAY | | -27334.3 | | | | -6312.8 | 6312.8 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0 | | |
| ALGAE PHOTOSYNTHESIS | | 236614.1 | | | | 0 | -22751.5 | 0 | 0 | |
| ALGAE RESPIRATION | | 0 | | | | 0 | | 0 | 0 | |
| ALGAE SETTLING | | 0 | | | | | | | 0 | |
| MACRO PHOTOSYNTHESIS | | 0 | | | | 0 | 0 | 0 | | |
| NCM DECAY | | 0 | | | | | | | | 0 |
| NCM SETTLING | | 0 | | | | | | | | 0 |
| | | | | | | | | | | |
| TOTAL INPUTS | 86.266 | 279982.9 | 150224.8 | 0 | 15074.9 | 7061.1 | 6315.6 | 0 | 0 | 0 |
| TOTAL OUTPUTS | -86.266 | -280031.5 | -150224.4 | 0 | -15075 | -7072.2 | -22751.5 | 0 | 0 | 0 |
| | | | | | | | | | | |
| NET CONVERGENCE ERROR | 0 | -48.6 | 0.4 | 0 | 0 | -11.1 | -16435.9 | 0 | 0 | 0 |

.....EXECUTION COMPLETED

## TMDL output file for subsegment 120204

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is D:\LA TMDL 2006\TO95\TT_Models\Lake Verret\LakeVerret-TMDL_wha.txt
Output produced at 13:50 on 10/12/2007

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE      CONTROL TITLES

TITLE01        LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
TITLE02        Calibration Simulation for Lake Verret and Grassy Lake model
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                     <Warning: legacy control - line ignored>
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE      MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                    UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                    UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                    UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE

PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
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  GL  Grassy Lake                  28.30  TO   24.80  0.1000    3.50     35      1    35
REACH ID    2  FB  Fourmile Bayou 1             24.80  TO   22.80  0.1000    2.00     20     36    55
REACH ID    3  OB  Fourmile Bayou Oxbow          4.20  TO    0.00  0.1000    4.20     42     56    97
REACH ID    4  F2  Fourmile Bayou 2             22.80  TO   19.40  0.1000    3.40     34     98   131
REACH ID    5  V3  Lake Verret 1               19.40  TO   14.50  0.1000    4.90     49    132   180
REACH ID    6  V2  Lake Verret 2               14.50  TO    2.90  0.1000   11.60    116    181   296
REACH ID    7  V1  Lake Verret 3                2.90  TO    0.00  0.1000    2.90     29    297   325
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  GL     0.000     0.000  1343.000     0.000     0.000     1.010   0.00000   0.050
HYDR-1      2  FB     0.000     0.000   107.000     0.000     0.000     5.240   0.00000   0.050
HYDR-1      3  OB     0.000     0.000    87.000     0.000     0.000     2.500   0.00000   0.050
HYDR-1      4  F2     0.000     0.000    87.000     0.000     0.000     4.390   0.00000   0.050
HYDR-1      5  V3     0.000     0.000  1892.000     0.000     0.000     1.340   0.00000   0.050
HYDR-1      6  V2     0.000     0.000  4092.000     0.000     0.000     2.130   0.00000   0.050
HYDR-1      7  V1     0.000     0.000   767.000     0.000     0.000     1.950   0.00000   0.050
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  GL      33.10     0.00     5.00     0.10     0.04     0.00    100.00     0.00
INITIAL        2  FB      33.90     0.00     5.00     0.10     0.04     0.00     95.00     0.00
INITIAL        3  OB      33.90     0.00     5.00     0.10     0.04     0.00     95.00     0.00
INITIAL        4  F2      32.90     0.00     5.00     0.10     0.04     0.00     30.00     0.00
INITIAL        5  V3      32.80     0.00     5.00     0.10     0.04     0.00    100.00     0.00
INITIAL        6  V2      32.60     0.00     5.00     0.10     0.04     0.00    105.00     0.00
INITIAL        7  V1      32.50     0.00     5.00     0.10     1.10     0.00     50.00     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  GL  20 K2=a/D        0.750    0.000    0.000    0.700    0.180    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2  FB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  OB   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   4  F2   3 OCONNER-DOBB    0.000    0.000    0.000    3.000    0.210    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5  V3  20 K2=a/D        0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6  V2  20 K2=a/D        0.750    0.000    0.000    1.500    0.160    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7  V1  20 K2=a/D        0.750    0.000    0.000    1.300    0.230    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  GL     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        2  FB     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        3  OB     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        4  F2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        5  V3     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        6  V2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        7  V1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$

CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
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                    DEPTH    CHL A    SETT    TO SOD     GROW     RESP     GROW     RESP   SHADING

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE     REACH  ID    COLIFORM      NCM      NCM    NCM CONV
                DIE-OFF    DECAY     SETT     TO SOD

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE     REACH  ID     OUTFLOW     INFLOW     TEMP    SALIN     CM-I    CM-II   IN/DIST  OUT/DIST

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

ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

 CARD TYPE     REACH  ID      PHOS    CHL A     COLI      NCM

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE     REACH  ID     BOD#1    ORG-N     COLI      NCM       DO    BOD#2

NONPOINT        1  GL    34200.00    900.00      0.00      0.00      0.00      0.00
NONPOINT        2  FB    10800.00    720.00      0.00      0.00      0.00      0.00
NONPOINT        3  OB     4300.00    344.00      0.00      0.00      0.00      0.00
NONPOINT        4  F2    11700.00   1350.00      0.00      0.00      0.00      0.00
NONPOINT        5  V3   198000.00   2700.00      0.00      0.00      0.00      0.00
NONPOINT        6  V2   360000.00    450.00      0.00      0.00      0.00      0.00
NONPOINT        7  V1    19417.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$

CARD TYPE    ELEMENT   NAME                UNIT     FLOW     FLOW    TEMP    SALIN     CM-I     CM-II
                                          m³/s      cfs   deg C      ppt

HDWTR-1        1    Grassy Lake            0  60.70000 2143.362   33.10     0.00     0.000     0.000   0.00
HDWTR-1       56    Fourmile Bayou Oxbow   0   8.80000  310.734   33.90     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    Grassy Lake            6.70    21.15     1.60     0.10     0.04     0.00
HDWTR-2       56    Fourmile Bayou Oxbow   6.80    10.97     1.70     0.10     0.04     0.00
ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE    ELEMENT   NAME                   PHOS    CHL A     COLI      NCM
                                            mg/L     mg/L     mg/L     mg/L

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

CARD TYPE   JUNCTION   UPSTRM    RIVER    NAME
         ELEMENT  ELEMENT    KILOM

JUNCTION       98     55     22.80  Fourmile Bayou Oxbow
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      26     25.80  Outflow to FB Oxbow   -8.80000 -310.73447 -200.863   33.90     0.00     0.000     0.000
WSTLD-1     132     19.40  Bayou Magazille       30.10000 1062.85315  687.041   33.10     0.00     0.000     0.000
WSTLD-1     140     18.60  NPDES Group1           0.00157    0.05544    0.036    0.00     0.00     0.000     0.000
WSTLD-1     149     17.70  LAG540112              0.00044    0.01554    0.010    0.00     0.00     0.000     0.000
WSTLD-1     208     11.80  LAG560026              0.00125    0.04414    0.029    0.00     0.00     0.000     0.000
WSTLD-1     264      6.20  NPDES Group2           0.00922    0.32556    0.210    0.00     0.00     0.000     0.000
WSTLD-1     319      0.70  NPDES Group3           0.00008    0.00282    0.002    0.00     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       26    Outflow to FB Oxbow     6.80    25.50     0.00     1.70     0.10     0.00     0.00     0.00
WSTLD-2      132    Bayou Magazille         7.60    15.10     0.00     2.40     0.10     0.00     0.20     0.00
WSTLD-2      140    NPDES Group1            5.00    30.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      149    LAG540112               5.00    30.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      208    LAG560026               5.00    20.00     0.00     2.00     1.50     0.00     2.00     0.00
WSTLD-2      264    NPDES Group2            5.00    11.80     0.00     2.00     5.72     0.00     2.00     0.00
```

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WSTLD-2       319    NPDES Group3            5.00    45.00     0.00     2.00     1.50     0.00     2.00     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 =  2
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  2  4  5  6  7
NUMBER OF REACHES IN PLOT 1 =   1
PLOT RCH  3
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$


OVERLAY 1 LakeVerret.OVL                :Lake Verret and Grassy Lake
ENDATA31



    .....NO ERRORS DETECTED IN INPUT DATA
    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN   8 ITERATIONS
```

.....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING: NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
.....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12

INTERMEDIATE REPORT
Dissolved Oxygen — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
mg/L — Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 6.72 | 6.74 | 6.76 | 6.77 | 6.79 | 6.81 | 6.82 | 6.83 | 6.85 | 6.86 |
| GL | 1 | 11 | 6.87 | 6.88 | 6.89 | 6.90 | 6.91 | 6.92 | 6.93 | 6.93 | 6.94 | 6.95 |
| GL | 1 | 21 | 6.95 | 6.96 | 6.96 | 6.96 | 6.97 | 6.97 | 6.97 | 6.98 | 6.98 | 6.98 |
| GL | 1 | 31 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | | | | | |
| FB | 2 | 36 | 6.96 | 6.94 | 6.91 | 6.89 | 6.85 | 6.82 | 6.78 | 6.74 | 6.69 | 6.64 |
| FB | 2 | 46 | 6.59 | 6.53 | 6.47 | 6.40 | 6.34 | 6.26 | 6.19 | 6.11 | 6.03 | 5.94 |
| F2 | 4 | 98 | 5.78 | 5.74 | 5.70 | 5.66 | 5.62 | 5.58 | 5.54 | 5.51 | 5.47 | 5.44 |
| F2 | 4 | 108 | 5.41 | 5.38 | 5.35 | 5.32 | 5.30 | 5.28 | 5.25 | 5.23 | 5.21 | 5.19 |
| F2 | 4 | 118 | 5.17 | 5.16 | 5.14 | 5.13 | 5.12 | 5.11 | 5.10 | 5.09 | 5.08 | 5.08 |
| F2 | 4 | 128 | 5.08 | 5.07 | 5.07 | 5.09 | | | | | | |
| V3 | 5 | 132 | 5.97 | 6.02 | 6.06 | 6.11 | 6.14 | 6.18 | 6.21 | 6.24 | 6.27 | 6.29 |
| V3 | 5 | 142 | 6.31 | 6.33 | 6.34 | 6.35 | 6.36 | 6.37 | 6.37 | 6.37 | 6.37 | 6.37 |
| V3 | 5 | 152 | 6.36 | 6.35 | 6.34 | 6.33 | 6.32 | 6.30 | 6.28 | 6.27 | 6.24 | 6.22 |
| V3 | 5 | 162 | 6.20 | 6.17 | 6.15 | 6.12 | 6.09 | 6.06 | 6.03 | 5.99 | 5.96 | 5.92 |
| V3 | 5 | 172 | 5.89 | 5.85 | 5.81 | 5.77 | 5.73 | 5.69 | 5.65 | 5.61 | 5.56 | |
| V2 | 6 | 181 | 5.49 | 5.43 | 5.38 | 5.35 | 5.34 | 5.33 | 5.34 | 5.35 | 5.37 | 5.41 |
| V2 | 6 | 191 | 5.45 | 5.49 | 5.54 | 5.60 | 5.66 | 5.72 | 5.79 | 5.86 | 5.94 | 6.01 |
| V2 | 6 | 201 | 6.09 | 6.17 | 6.25 | 6.33 | 6.41 | 6.49 | 6.57 | 6.65 | 6.73 | 6.81 |
| V2 | 6 | 211 | 6.88 | 6.96 | 7.04 | 7.11 | 7.18 | 7.25 | 7.32 | 7.38 | 7.45 | 7.51 |
| V2 | 6 | 221 | 7.57 | 7.63 | 7.69 | 7.74 | 7.79 | 7.84 | 7.88 | 7.93 | 7.97 | 8.01 |
| V2 | 6 | 231 | 8.05 | 8.08 | 8.11 | 8.14 | 8.17 | 8.19 | 8.22 | 8.24 | 8.25 | 8.27 |
| V2 | 6 | 241 | 8.28 | 8.29 | 8.30 | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.30 |
| V2 | 6 | 251 | 8.29 | 8.28 | 8.27 | 8.25 | 8.23 | 8.22 | 8.20 | 8.17 | 8.15 | 8.12 |
| V2 | 6 | 261 | 8.10 | 8.07 | 8.04 | 8.00 | 7.97 | 7.93 | 7.90 | 7.86 | 7.82 | 7.78 |
| V2 | 6 | 271 | 7.74 | 7.69 | 7.65 | 7.60 | 7.55 | 7.50 | 7.45 | 7.40 | 7.35 | 7.30 |
| V2 | 6 | 281 | 7.24 | 7.19 | 7.13 | 7.07 | 7.01 | 6.95 | 6.89 | 6.83 | 6.77 | 6.71 |
| V2 | 6 | 291 | 6.64 | 6.58 | 6.51 | 6.44 | 6.38 | 6.31 | | | | |
| V1 | 7 | 297 | 6.27 | 6.23 | 6.19 | 6.15 | 6.12 | 6.08 | 6.04 | 6.00 | 5.97 | 5.93 |
| V1 | 7 | 307 | 5.90 | 5.86 | 5.83 | 5.80 | 5.76 | 5.73 | 5.70 | 5.66 | 5.63 | 5.60 |
| V1 | 7 | 317 | 5.57 | 5.54 | 5.51 | 5.48 | 5.45 | 5.42 | 5.39 | 5.36 | 5.33 | |
| OB | 3 | 56 | 6.84 | 6.88 | 6.91 | 6.94 | 6.96 | 6.98 | 6.99 | 7.00 | 7.01 | 7.01 |
| OB | 3 | 66 | 7.01 | 7.00 | 6.99 | 6.97 | 6.95 | 6.93 | 6.90 | 6.87 | 6.84 | 6.80 |
| OB | 3 | 76 | 6.76 | 6.71 | 6.67 | 6.61 | 6.56 | 6.50 | 6.44 | 6.37 | 6.30 | 6.23 |
| OB | 3 | 86 | 6.15 | 6.07 | 5.99 | 5.91 | 5.82 | 5.73 | 5.63 | 5.53 | 5.43 | 5.33 |
| OB | 3 | 96 | 5.23 | 5.14 | | | | | | | | |

INTERMEDIATE REPORT
Effective BOD
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 21.16 | 21.16 | 21.17 | 21.17 | 21.18 | 21.18 | 21.19 | 21.19 | 21.20 | 21.20 |
| GL | 1 | 11 | 21.21 | 21.21 | 21.21 | 21.22 | 21.22 | 21.22 | 21.23 | 21.23 | 21.23 | 21.23 |
| GL | 1 | 21 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 |
| GL | 1 | 31 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | | | | | |
| FB | 2 | 36 | 21.26 | 21.27 | 21.29 | 21.30 | 21.32 | 21.33 | 21.35 | 21.36 | 21.38 | 21.40 |
| FB | 2 | 46 | 21.41 | 21.43 | 21.45 | 21.47 | 21.48 | 21.50 | 21.52 | 21.53 | 21.55 | 21.52 |
| F2 | 4 | 98 | 20.11 | 20.12 | 20.13 | 20.14 | 20.15 | 20.16 | 20.17 | 20.18 | 20.19 | 20.20 |
| F2 | 4 | 108 | 20.21 | 20.22 | 20.23 | 20.23 | 20.24 | 20.25 | 20.26 | 20.27 | 20.28 | 20.29 |
| F2 | 4 | 118 | 20.30 | 20.31 | 20.32 | 20.33 | 20.34 | 20.35 | 20.36 | 20.37 | 20.38 | 20.39 |
| F2 | 4 | 128 | 20.40 | 20.41 | 20.42 | 20.39 | | | | | | |
| V3 | 5 | 132 | 19.00 | 19.34 | 19.67 | 20.00 | 20.32 | 20.65 | 20.97 | 21.29 | 21.60 | 21.91 |
| V3 | 5 | 142 | 22.22 | 22.53 | 22.83 | 23.13 | 23.43 | 23.72 | 24.01 | 24.30 | 24.59 | 24.87 |
| V3 | 5 | 152 | 25.16 | 25.44 | 25.71 | 25.99 | 26.26 | 26.53 | 26.79 | 27.06 | 27.32 | 27.58 |
| V3 | 5 | 162 | 27.84 | 28.09 | 28.35 | 28.60 | 28.85 | 29.09 | 29.34 | 29.58 | 29.82 | 30.05 |
| V3 | 5 | 172 | 30.29 | 30.52 | 30.75 | 30.98 | 31.21 | 31.43 | 31.66 | 31.88 | 32.09 | |
| V2 | 6 | 181 | 31.48 | 30.90 | 30.33 | 29.78 | 29.25 | 28.74 | 28.24 | 27.75 | 27.29 | 26.83 |
| V2 | 6 | 191 | 26.39 | 25.96 | 25.55 | 25.15 | 24.76 | 24.38 | 24.02 | 23.66 | 23.32 | 22.99 |
| V2 | 6 | 201 | 22.67 | 22.35 | 22.05 | 21.76 | 21.47 | 21.20 | 20.93 | 20.67 | 20.42 | 20.18 |
| V2 | 6 | 211 | 19.94 | 19.71 | 19.49 | 19.28 | 19.07 | 18.87 | 18.67 | 18.48 | 18.30 | 18.12 |
| V2 | 6 | 221 | 17.95 | 17.78 | 17.62 | 17.46 | 17.31 | 17.16 | 17.02 | 16.88 | 16.75 | 16.62 |
| V2 | 6 | 231 | 16.49 | 16.37 | 16.25 | 16.13 | 16.02 | 15.91 | 15.81 | 15.71 | 15.61 | 15.52 |
| V2 | 6 | 241 | 15.42 | 15.33 | 15.25 | 15.16 | 15.08 | 15.00 | 14.93 | 14.85 | 14.78 | 14.71 |
| V2 | 6 | 251 | 14.64 | 14.58 | 14.52 | 14.45 | 14.39 | 14.34 | 14.28 | 14.23 | 14.17 | 14.12 |
| V2 | 6 | 261 | 14.07 | 14.03 | 13.98 | 13.94 | 13.89 | 13.85 | 13.81 | 13.77 | 13.73 | 13.69 |
| V2 | 6 | 271 | 13.66 | 13.62 | 13.59 | 13.56 | 13.53 | 13.50 | 13.47 | 13.44 | 13.41 | 13.38 |
| V2 | 6 | 281 | 13.36 | 13.33 | 13.31 | 13.28 | 13.26 | 13.24 | 13.21 | 13.19 | 13.17 | 13.15 |
| V2 | 6 | 291 | 13.13 | 13.12 | 13.10 | 13.08 | 13.06 | 13.05 | | | | |
| V1 | 7 | 297 | 13.03 | 13.02 | 13.00 | 12.98 | 12.97 | 12.95 | 12.94 | 12.92 | 12.91 | 12.89 |
| V1 | 7 | 307 | 12.88 | 12.86 | 12.85 | 12.83 | 12.82 | 12.80 | 12.79 | 12.78 | 12.76 | 12.75 |
| V1 | 7 | 317 | 12.73 | 12.72 | 12.71 | 12.69 | 12.68 | 12.67 | 12.65 | 12.64 | 12.24 | |
| OB | 3 | 56 | 10.98 | 10.99 | 11.00 | 11.01 | 11.02 | 11.03 | 11.04 | 11.05 | 11.06 | 11.07 |
| OB | 3 | 66 | 11.08 | 11.09 | 11.10 | 11.11 | 11.12 | 11.13 | 11.14 | 11.15 | 11.16 | 11.17 |
| OB | 3 | 76 | 11.18 | 11.19 | 11.20 | 11.21 | 11.22 | 11.23 | 11.25 | 11.26 | 11.27 | 11.28 |
| OB | 3 | 86 | 11.29 | 11.30 | 11.31 | 11.32 | 11.33 | 11.34 | 11.35 | 11.36 | 11.37 | 11.38 |
| OB | 3 | 96 | 11.40 | 11.67 | | | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 21.16 | 21.16 | 21.17 | 21.17 | 21.18 | 21.18 | 21.19 | 21.19 | 21.20 | 21.20 |
| GL | 1 | 11 | 21.21 | 21.21 | 21.21 | 21.22 | 21.22 | 21.22 | 21.23 | 21.23 | 21.23 | 21.23 |
| GL | 1 | 21 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 |
| GL | 1 | 31 | 21.24 | 21.24 | 21.24 | 21.24 | 21.24 | | | | | |
| FB | 2 | 36 | 21.26 | 21.27 | 21.29 | 21.30 | 21.32 | 21.33 | 21.35 | 21.36 | 21.38 | 21.40 |
| FB | 2 | 46 | 21.41 | 21.43 | 21.45 | 21.47 | 21.48 | 21.50 | 21.52 | 21.53 | 21.55 | 21.52 |
| F2 | 4 | 98 | 20.11 | 20.12 | 20.13 | 20.14 | 20.15 | 20.16 | 20.17 | 20.18 | 20.19 | 20.20 |
| F2 | 4 | 108 | 20.21 | 20.22 | 20.23 | 20.23 | 20.24 | 20.25 | 20.26 | 20.27 | 20.28 | 20.29 |
| F2 | 4 | 118 | 20.30 | 20.31 | 20.32 | 20.33 | 20.34 | 20.35 | 20.36 | 20.37 | 20.38 | 20.39 |
| F2 | 4 | 128 | 20.40 | 20.41 | 20.42 | 20.39 | | | | | | |
| V3 | 5 | 132 | 19.00 | 19.34 | 19.67 | 20.00 | 20.32 | 20.65 | 20.97 | 21.29 | 21.60 | 21.91 |
| V3 | 5 | 142 | 22.22 | 22.53 | 22.83 | 23.13 | 23.43 | 23.72 | 24.01 | 24.30 | 24.59 | 24.87 |
| V3 | 5 | 152 | 25.16 | 25.44 | 25.71 | 25.99 | 26.26 | 26.53 | 26.79 | 27.06 | 27.32 | 27.58 |
| V3 | 5 | 162 | 27.84 | 28.09 | 28.35 | 28.60 | 28.85 | 29.09 | 29.34 | 29.58 | 29.82 | 30.05 |
| V3 | 5 | 172 | 30.29 | 30.52 | 30.75 | 30.98 | 31.21 | 31.43 | 31.66 | 31.88 | 32.09 | |
| V2 | 6 | 181 | 31.48 | 30.90 | 30.33 | 29.78 | 29.25 | 28.74 | 28.24 | 27.75 | 27.29 | 26.83 |
| V2 | 6 | 191 | 26.39 | 25.96 | 25.55 | 25.15 | 24.76 | 24.38 | 24.02 | 23.66 | 23.32 | 22.99 |
| V2 | 6 | 201 | 22.67 | 22.35 | 22.05 | 21.76 | 21.47 | 21.20 | 20.93 | 20.67 | 20.42 | 20.18 |
| V2 | 6 | 211 | 19.94 | 19.71 | 19.49 | 19.28 | 19.07 | 18.87 | 18.67 | 18.48 | 18.30 | 18.12 |
| V2 | 6 | 221 | 17.95 | 17.78 | 17.62 | 17.46 | 17.31 | 17.16 | 17.02 | 16.88 | 16.75 | 16.62 |
| V2 | 6 | 231 | 16.49 | 16.37 | 16.25 | 16.13 | 16.02 | 15.91 | 15.81 | 15.71 | 15.61 | 15.52 |
| V2 | 6 | 241 | 15.42 | 15.33 | 15.25 | 15.16 | 15.08 | 15.00 | 14.93 | 14.85 | 14.78 | 14.71 |
| V2 | 6 | 251 | 14.64 | 14.58 | 14.52 | 14.45 | 14.39 | 14.34 | 14.28 | 14.23 | 14.17 | 14.12 |
| V2 | 6 | 261 | 14.07 | 14.03 | 13.98 | 13.94 | 13.89 | 13.85 | 13.81 | 13.77 | 13.73 | 13.69 |
| V2 | 6 | 271 | 13.66 | 13.62 | 13.59 | 13.56 | 13.53 | 13.50 | 13.47 | 13.44 | 13.41 | 13.38 |
| V2 | 6 | 281 | 13.36 | 13.33 | 13.31 | 13.28 | 13.26 | 13.24 | 13.21 | 13.19 | 13.17 | 13.15 |
| V2 | 6 | 291 | 13.13 | 13.12 | 13.10 | 13.08 | 13.06 | 13.05 | | | | |
| V1 | 7 | 297 | 13.03 | 13.02 | 13.00 | 12.98 | 12.97 | 12.95 | 12.94 | 12.92 | 12.91 | 12.89 |
| V1 | 7 | 307 | 12.88 | 12.86 | 12.85 | 12.83 | 12.82 | 12.80 | 12.79 | 12.78 | 12.76 | 12.75 |
| V1 | 7 | 317 | 12.73 | 12.72 | 12.71 | 12.69 | 12.68 | 12.67 | 12.65 | 12.64 | 12.24 | |
| OB | 3 | 56 | 10.98 | 10.99 | 11.00 | 11.01 | 11.02 | 11.03 | 11.04 | 11.05 | 11.06 | 11.07 |
| OB | 3 | 66 | 11.08 | 11.09 | 11.10 | 11.11 | 11.12 | 11.13 | 11.14 | 11.15 | 11.16 | 11.17 |
| OB | 3 | 76 | 11.18 | 11.19 | 11.20 | 11.21 | 11.22 | 11.23 | 11.25 | 11.26 | 11.27 | 11.28 |
| OB | 3 | 86 | 11.29 | 11.30 | 11.31 | 11.32 | 11.33 | 11.34 | 11.35 | 11.36 | 11.37 | 11.38 |
| OB | 3 | 96 | 11.40 | 11.67 | | | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1.60 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.64 |
| GL | 1 | 11 | 1.64 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.68 |
| GL | 1 | 21 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.71 | 1.71 | 1.72 |
| GL | 1 | 31 | 1.72 | 1.72 | 1.73 | 1.73 | 1.74 | | | | | |
| FB | 2 | 36 | 1.75 | 1.75 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 | 1.80 | 1.81 | 1.81 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FB | 2 | 46 | 1.82 | 1.83 | 1.83 | 1.84 | 1.85 | 1.86 | 1.86 | 1.87 | 1.88 | 1.89 |
| F2 | 4 | 98 | 1.92 | 1.93 | 1.94 | 1.95 | 1.95 | 1.96 | 1.97 | 1.97 | 1.98 | 1.99 |
| F2 | 4 | 108 | 2.00 | 2.00 | 2.01 | 2.02 | 2.02 | 2.03 | 2.04 | 2.05 | 2.05 | 2.06 |
| F2 | 4 | 118 | 2.07 | 2.07 | 2.08 | 2.09 | 2.10 | 2.10 | 2.11 | 2.12 | 2.13 | 2.13 |
| F2 | 4 | 128 | 2.14 | 2.15 | 2.15 | 2.16 | | | | | | |
| V3 | 5 | 132 | 2.25 | 2.25 | 2.26 | 2.26 | 2.27 | 2.27 | 2.28 | 2.28 | 2.29 | 2.29 |
| V3 | 5 | 142 | 2.30 | 2.30 | 2.31 | 2.31 | 2.32 | 2.32 | 2.33 | 2.33 | 2.34 | 2.34 |
| V3 | 5 | 152 | 2.35 | 2.35 | 2.36 | 2.36 | 2.37 | 2.37 | 2.38 | 2.38 | 2.39 | 2.39 |
| V3 | 5 | 162 | 2.40 | 2.40 | 2.41 | 2.41 | 2.42 | 2.42 | 2.43 | 2.43 | 2.44 | 2.44 |
| V3 | 5 | 172 | 2.45 | 2.45 | 2.46 | 2.46 | 2.47 | 2.47 | 2.48 | 2.48 | 2.49 | |
| V2 | 6 | 181 | 2.48 | 2.47 | 2.47 | 2.46 | 2.46 | 2.45 | 2.44 | 2.44 | 2.43 | 2.42 |
| V2 | 6 | 191 | 2.42 | 2.41 | 2.40 | 2.40 | 2.39 | 2.38 | 2.38 | 2.37 | 2.37 | 2.36 |
| V2 | 6 | 201 | 2.35 | 2.35 | 2.34 | 2.33 | 2.33 | 2.32 | 2.32 | 2.31 | 2.30 | 2.30 |
| V2 | 6 | 211 | 2.29 | 2.29 | 2.28 | 2.27 | 2.27 | 2.26 | 2.26 | 2.25 | 2.24 | 2.24 |
| V2 | 6 | 221 | 2.23 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 | 2.20 | 2.19 | 2.19 | 2.18 |
| V2 | 6 | 231 | 2.18 | 2.17 | 2.16 | 2.16 | 2.15 | 2.15 | 2.14 | 2.14 | 2.13 | 2.12 |
| V2 | 6 | 241 | 2.12 | 2.11 | 2.11 | 2.10 | 2.10 | 2.09 | 2.09 | 2.08 | 2.08 | 2.07 |
| V2 | 6 | 251 | 2.06 | 2.06 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 | 2.02 |
| V2 | 6 | 261 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 | 1.97 | 1.96 |
| V2 | 6 | 271 | 1.96 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.93 | 1.92 | 1.92 | 1.91 |
| V2 | 6 | 281 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 | 1.87 | 1.87 |
| V2 | 6 | 291 | 1.86 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | | | | |
| V1 | 7 | 297 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| V1 | 7 | 307 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| V1 | 7 | 317 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.75 | |
| OB | 3 | 56 | 1.71 | 1.72 | 1.73 | 1.74 | 1.75 | 1.76 | 1.77 | 1.78 | 1.79 | 1.79 |
| OB | 3 | 66 | 1.80 | 1.81 | 1.82 | 1.83 | 1.84 | 1.85 | 1.86 | 1.87 | 1.88 | 1.89 |
| OB | 3 | 76 | 1.90 | 1.91 | 1.92 | 1.93 | 1.94 | 1.94 | 1.95 | 1.96 | 1.97 | 1.98 |
| OB | 3 | 86 | 1.99 | 2.00 | 2.01 | 2.02 | 2.03 | 2.04 | 2.05 | 2.06 | 2.07 | 2.07 |
| OB | 3 | 96 | 2.08 | 2.09 | | | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| GL | 1 | 11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 |
| GL | 1 | 21 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| GL | 1 | 31 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | | |
| FB | 2 | 36 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| FB | 2 | 46 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| F2 | 4 | 98 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| F2 | 4 | 108 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| F2 | 4 | 118 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| F2 | 4 | 128 | 0.09 | 0.09 | 0.09 | 0.09 | | | | | | |
| V3 | 5 | 132 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V3 | 5 | 142 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V3 | 5 | 152 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V3 | 5 | 162 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V3 | 5 | 172 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | |
| V2 | 6 | 181 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| V2 | 6 | 191 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| V2 | 6 | 201 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| V2 | 6 | 211 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| V2 | 6 | 221 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| V2 | 6 | 231 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| V2 | 6 | 241 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V2 | 6 | 251 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V2 | 6 | 261 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V2 | 6 | 271 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| V2 | 6 | 281 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| V2 | 6 | 291 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| V1 | 7 | 297 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| V1 | 7 | 307 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| V1 | 7 | 317 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | |
| OB | 3 | 56 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| OB | 3 | 66 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 |
| OB | 3 | 76 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| OB | 3 | 86 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| OB | 3 | 96 | 0.10 | 0.10 | | | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| FB | 2 | 36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FB | 2 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 128 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| V3 | 5 | 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| V2 | 6 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V2 | 6 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 211 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 221 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 231 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 241 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 251 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 261 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 271 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 281 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 291 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| V1 | 7 | 297 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 307 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 317 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| OB | 3 | 56 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 96 | 0.00 | 0.00 | | | | | | | | |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1.73 | 1.73 | 1.72 | 1.71 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 |
| GL | 1 | 11 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 |
| GL | 1 | 21 | 1.77 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.81 |
| GL | 1 | 31 | 1.81 | 1.82 | 1.82 | 1.82 | 1.83 | | | | | |
| FB | 2 | 36 | 1.84 | 1.84 | 1.85 | 1.86 | 1.87 | 1.87 | 1.88 | 1.89 | 1.89 | 1.90 |
| FB | 2 | 46 | 1.91 | 1.92 | 1.92 | 1.93 | 1.94 | 1.95 | 1.95 | 1.96 | 1.97 | 1.98 |
| F2 | 4 | 98 | 2.01 | 2.02 | 2.03 | 2.04 | 2.04 | 2.05 | 2.06 | 2.06 | 2.07 | 2.08 |
| F2 | 4 | 108 | 2.09 | 2.09 | 2.10 | 2.11 | 2.12 | 2.12 | 2.13 | 2.14 | 2.14 | 2.15 |
| F2 | 4 | 118 | 2.16 | 2.17 | 2.17 | 2.18 | 2.19 | 2.19 | 2.20 | 2.21 | 2.22 | 2.22 |
| F2 | 4 | 128 | 2.23 | 2.24 | 2.25 | 2.25 | | | | | | |
| V3 | 5 | 132 | 2.34 | 2.35 | 2.35 | 2.36 | 2.36 | 2.37 | 2.37 | 2.38 | 2.38 | 2.39 |
| V3 | 5 | 142 | 2.39 | 2.40 | 2.40 | 2.41 | 2.42 | 2.42 | 2.43 | 2.43 | 2.44 | 2.44 |
| V3 | 5 | 152 | 2.45 | 2.45 | 2.46 | 2.46 | 2.47 | 2.47 | 2.48 | 2.48 | 2.49 | 2.49 |
| V3 | 5 | 162 | 2.50 | 2.51 | 2.51 | 2.52 | 2.52 | 2.53 | 2.53 | 2.54 | 2.54 | 2.55 |
| V3 | 5 | 172 | 2.55 | 2.56 | 2.56 | 2.57 | 2.57 | 2.58 | 2.58 | 2.59 | 2.59 | |
| V2 | 6 | 181 | 2.59 | 2.58 | 2.58 | 2.57 | 2.57 | 2.56 | 2.55 | 2.55 | 2.54 | 2.54 |
| V2 | 6 | 191 | 2.53 | 2.53 | 2.52 | 2.51 | 2.51 | 2.50 | 2.49 | 2.49 | 2.48 | 2.48 |
| V2 | 6 | 201 | 2.47 | 2.46 | 2.46 | 2.45 | 2.44 | 2.44 | 2.43 | 2.43 | 2.42 | 2.41 |
| V2 | 6 | 211 | 2.41 | 2.40 | 2.39 | 2.39 | 2.38 | 2.38 | 2.37 | 2.36 | 2.36 | 2.35 |
| V2 | 6 | 221 | 2.34 | 2.34 | 2.33 | 2.33 | 2.32 | 2.31 | 2.31 | 2.30 | 2.30 | 2.29 |
| V2 | 6 | 231 | 2.28 | 2.28 | 2.27 | 2.27 | 2.26 | 2.25 | 2.25 | 2.24 | 2.24 | 2.23 |
| V2 | 6 | 241 | 2.22 | 2.22 | 2.21 | 2.21 | 2.20 | 2.20 | 2.19 | 2.18 | 2.18 | 2.17 |
| V2 | 6 | 251 | 2.17 | 2.16 | 2.16 | 2.15 | 2.14 | 2.14 | 2.13 | 2.13 | 2.12 | 2.12 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V2 | 6 | 261 | 2.11 | 2.11 | 2.10 | 2.10 | 2.09 | 2.08 | 2.08 | 2.07 | 2.07 | 2.06 |
| V2 | 6 | 271 | 2.06 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 | 2.02 | 2.01 |
| V2 | 6 | 281 | 2.01 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 |
| V2 | 6 | 291 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.93 | | | | |
| V1 | 7 | 297 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 |
| V1 | 7 | 307 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 |
| V1 | 7 | 317 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.90 | 1.85 | |
| OB | 3 | 56 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.87 | 1.88 | 1.89 |
| OB | 3 | 66 | 1.90 | 1.91 | 1.92 | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.98 |
| OB | 3 | 76 | 1.99 | 2.00 | 2.01 | 2.02 | 2.03 | 2.04 | 2.05 | 2.06 | 2.07 | 2.08 |
| OB | 3 | 86 | 2.09 | 2.09 | 2.10 | 2.11 | 2.12 | 2.13 | 2.14 | 2.15 | 2.16 | 2.17 |
| OB | 3 | 96 | 2.18 | 2.18 | | | | | | | | |

INTERMEDIATE REPORT

Chlorophyll a
µg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 99.86 | 99.71 | 99.57 | 99.43 | 99.29 | 99.14 | 99.00 | 98.86 | 98.71 | 98.57 |
| GL | 1 | 11 | 98.43 | 98.29 | 98.14 | 98.00 | 97.86 | 97.71 | 97.57 | 97.43 | 97.29 | 97.14 |
| GL | 1 | 21 | 97.00 | 96.86 | 96.71 | 96.57 | 96.43 | 96.29 | 96.14 | 96.00 | 95.86 | 95.71 |
| GL | 1 | 31 | 95.57 | 95.43 | 95.29 | 95.14 | 95.00 | | | | | |
| FB | 2 | 36 | 91.75 | 88.50 | 85.25 | 82.00 | 78.75 | 75.50 | 72.25 | 69.00 | 65.75 | 62.50 |
| FB | 2 | 46 | 59.25 | 56.00 | 52.75 | 49.50 | 46.25 | 43.00 | 39.75 | 36.50 | 33.25 | 30.00 |
| F2 | 4 | 98 | 32.06 | 34.12 | 36.18 | 38.24 | 40.29 | 42.35 | 44.41 | 46.47 | 48.53 | 50.59 |
| F2 | 4 | 108 | 52.65 | 54.71 | 56.76 | 58.82 | 60.88 | 62.94 | 65.00 | 67.06 | 69.12 | 71.18 |
| F2 | 4 | 118 | 73.24 | 75.29 | 77.35 | 79.41 | 81.47 | 83.53 | 85.59 | 87.65 | 89.71 | 91.76 |
| F2 | 4 | 128 | 93.82 | 95.88 | 97.94 | 100.00 | | | | | | |
| V3 | 5 | 132 | 100.10 | 100.20 | 100.31 | 100.41 | 100.51 | 100.61 | 100.71 | 100.82 | 100.92 | 101.02 |
| V3 | 5 | 142 | 101.12 | 101.22 | 101.33 | 101.43 | 101.53 | 101.63 | 101.73 | 101.84 | 101.94 | 102.04 |
| V3 | 5 | 152 | 102.14 | 102.24 | 102.35 | 102.45 | 102.55 | 102.65 | 102.76 | 102.86 | 102.96 | 103.06 |
| V3 | 5 | 162 | 103.16 | 103.27 | 103.37 | 103.47 | 103.57 | 103.67 | 103.78 | 103.88 | 103.98 | 104.08 |
| V3 | 5 | 172 | 104.18 | 104.29 | 104.39 | 104.49 | 104.59 | 104.69 | 104.80 | 104.90 | 105.00 | |
| V2 | 6 | 181 | 104.53 | 104.05 | 103.58 | 103.10 | 102.63 | 102.16 | 101.68 | 101.21 | 100.73 | 100.26 |
| V2 | 6 | 191 | 99.78 | 99.31 | 98.84 | 98.36 | 97.89 | 97.41 | 96.94 | 96.47 | 95.99 | 95.52 |
| V2 | 6 | 201 | 95.04 | 94.57 | 94.09 | 93.62 | 93.15 | 92.67 | 92.20 | 91.72 | 91.25 | 90.78 |
| V2 | 6 | 211 | 90.30 | 89.83 | 89.35 | 88.88 | 88.41 | 87.93 | 87.46 | 86.98 | 86.51 | 86.03 |
| V2 | 6 | 221 | 85.56 | 85.09 | 84.61 | 84.14 | 83.66 | 83.19 | 82.72 | 82.24 | 81.77 | 81.29 |
| V2 | 6 | 231 | 80.82 | 80.34 | 79.87 | 79.40 | 78.92 | 78.45 | 77.97 | 77.50 | 77.03 | 76.55 |
| V2 | 6 | 241 | 76.08 | 75.60 | 75.13 | 74.66 | 74.18 | 73.71 | 73.23 | 72.76 | 72.28 | 71.81 |
| V2 | 6 | 251 | 71.34 | 70.86 | 70.39 | 69.91 | 69.44 | 68.97 | 68.49 | 68.02 | 67.54 | 67.07 |
| V2 | 6 | 261 | 66.59 | 66.12 | 65.65 | 65.17 | 64.70 | 64.22 | 63.75 | 63.28 | 62.80 | 62.33 |
| V2 | 6 | 271 | 61.85 | 61.38 | 60.91 | 60.43 | 59.96 | 59.48 | 59.01 | 58.53 | 58.06 | 57.59 |
| V2 | 6 | 281 | 57.11 | 56.64 | 56.16 | 55.69 | 55.22 | 54.74 | 54.27 | 53.79 | 53.32 | 52.84 |
| V2 | 6 | 291 | 52.37 | 51.90 | 51.42 | 50.95 | 50.47 | 50.00 | | | | |
| V1 | 7 | 297 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| V1 | 7 | 307 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V1 | 7 | 317 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| OB | 3 | 56 | 93.45 | 91.90 | 90.36 | 88.81 | 87.26 | 85.71 | 84.17 | 82.62 | 81.07 | 79.52 |
| OB | 3 | 66 | 77.98 | 76.43 | 74.88 | 73.33 | 71.79 | 70.24 | 68.69 | 67.14 | 65.60 | 64.05 |
| OB | 3 | 76 | 62.50 | 60.95 | 59.40 | 57.86 | 56.31 | 54.76 | 53.21 | 51.67 | 50.12 | 48.57 |
| OB | 3 | 86 | 47.02 | 45.48 | 43.93 | 42.38 | 40.83 | 39.29 | 37.74 | 36.19 | 34.64 | 33.10 |
| OB | 3 | 96 | 31.55 | 30.00 | | | | | | | | |

INTERMEDIATE REPORT

Temperature — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

deg C — Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 33.12 | 33.15 | 33.17 | 33.19 | 33.21 | 33.24 | 33.26 | 33.28 | 33.31 | 33.33 |
| GL | 1 | 11 | 33.35 | 33.37 | 33.40 | 33.42 | 33.44 | 33.47 | 33.49 | 33.51 | 33.53 | 33.56 |
| GL | 1 | 21 | 33.58 | 33.60 | 33.63 | 33.65 | 33.67 | 33.69 | 33.72 | 33.74 | 33.76 | 33.79 |
| GL | 1 | 31 | 33.81 | 33.83 | 33.85 | 33.88 | 33.90 | | | | | |
| FB | 2 | 36 | 33.85 | 33.80 | 33.75 | 33.70 | 33.65 | 33.60 | 33.55 | 33.50 | 33.45 | 33.40 |
| FB | 2 | 46 | 33.35 | 33.30 | 33.25 | 33.20 | 33.15 | 33.10 | 33.05 | 33.00 | 32.95 | 32.90 |
| F2 | 4 | 98 | 32.90 | 32.89 | 32.89 | 32.89 | 32.89 | 32.88 | 32.88 | 32.88 | 32.87 | 32.87 |
| F2 | 4 | 108 | 32.87 | 32.86 | 32.86 | 32.86 | 32.86 | 32.85 | 32.85 | 32.85 | 32.84 | 32.84 |
| F2 | 4 | 118 | 32.84 | 32.84 | 32.83 | 32.83 | 32.83 | 32.82 | 32.82 | 32.82 | 32.81 | 32.81 |
| F2 | 4 | 128 | 32.81 | 32.81 | 32.80 | 32.80 | | | | | | |
| V3 | 5 | 132 | 32.80 | 32.79 | 32.79 | 32.78 | 32.78 | 32.78 | 32.77 | 32.77 | 32.76 | 32.76 |
| V3 | 5 | 142 | 32.76 | 32.75 | 32.75 | 32.74 | 32.74 | 32.73 | 32.73 | 32.73 | 32.72 | 32.72 |
| V3 | 5 | 152 | 32.71 | 32.71 | 32.71 | 32.70 | 32.70 | 32.69 | 32.69 | 32.69 | 32.68 | 32.68 |
| V3 | 5 | 162 | 32.67 | 32.67 | 32.67 | 32.66 | 32.66 | 32.65 | 32.65 | 32.64 | 32.64 | 32.64 |
| V3 | 5 | 172 | 32.63 | 32.63 | 32.62 | 32.62 | 32.62 | 32.61 | 32.61 | 32.60 | 32.60 | |
| V2 | 6 | 181 | 32.60 | 32.60 | 32.60 | 32.60 | 32.60 | 32.59 | 32.59 | 32.59 | 32.59 | 32.59 |
| V2 | 6 | 191 | 32.59 | 32.59 | 32.59 | 32.59 | 32.59 | 32.59 | 32.59 | 32.58 | 32.58 | 32.58 |
| V2 | 6 | 201 | 32.58 | 32.58 | 32.58 | 32.58 | 32.58 | 32.58 | 32.58 | 32.58 | 32.58 | 32.57 |
| V2 | 6 | 211 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 | 32.57 |
| V2 | 6 | 221 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 | 32.56 |
| V2 | 6 | 231 | 32.56 | 32.56 | 32.55 | 32.55 | 32.55 | 32.55 | 32.55 | 32.55 | 32.55 | 32.55 |
| V2 | 6 | 241 | 32.55 | 32.55 | 32.55 | 32.54 | 32.54 | 32.54 | 32.54 | 32.54 | 32.54 | 32.54 |
| V2 | 6 | 251 | 32.54 | 32.54 | 32.54 | 32.54 | 32.54 | 32.53 | 32.53 | 32.53 | 32.53 | 32.53 |
| V2 | 6 | 261 | 32.53 | 32.53 | 32.53 | 32.53 | 32.53 | 32.53 | 32.53 | 32.52 | 32.52 | 32.52 |
| V2 | 6 | 271 | 32.52 | 32.52 | 32.52 | 32.52 | 32.52 | 32.52 | 32.52 | 32.52 | 32.51 | 32.51 |
| V2 | 6 | 281 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 | 32.51 |
| V2 | 6 | 291 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | | | | |
| V1 | 7 | 297 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 |
| V1 | 7 | 307 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 |
| V1 | 7 | 317 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | 32.50 | |
| OB | 3 | 56 | 33.88 | 33.85 | 33.83 | 33.80 | 33.78 | 33.76 | 33.73 | 33.71 | 33.69 | 33.66 |
| OB | 3 | 66 | 33.64 | 33.61 | 33.59 | 33.57 | 33.54 | 33.52 | 33.50 | 33.47 | 33.45 | 33.42 |
| OB | 3 | 76 | 33.40 | 33.38 | 33.35 | 33.33 | 33.30 | 33.28 | 33.26 | 33.23 | 33.21 | 33.19 |
| OB | 3 | 86 | 33.16 | 33.14 | 33.11 | 33.09 | 33.07 | 33.04 | 33.02 | 33.00 | 32.97 | 32.95 |
| OB | 3 | 96 | 32.92 | 32.90 | | | | | | | | |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| FB | 2 | 36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FB | 2 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 128 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| V3 | 5 | 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| V2 | 6 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 211 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 221 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 231 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 241 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 251 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 261 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 271 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 281 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 291 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| V1 | 7 | 297 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 307 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 317 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| OB | 3 | 56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 96 | 0.00 | 0.00 | | | | | | | | |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. | 27. | 27. |
| GL | 1 | 11 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. | 26. | 26. |
| GL | 1 | 21 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 25. | 25. |
| GL | 1 | 31 | 25. | 25. | 25. | 25. | 25. | | | | | |
| FB | 2 | 36 | 25. | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| FB | 2 | 46 | 24. | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| F2 | 4 | 98 | 23. | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| F2 | 4 | 108 | 22. | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| F2 | 4 | 118 | 21. | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| F2 | 4 | 128 | 20. | 20. | 19. | 19. | | | | | | |
| V3 | 5 | 132 | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 18. | 18. |
| V3 | 5 | 142 | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 17. | 17. |
| V3 | 5 | 152 | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 16. | 16. |
| V3 | 5 | 162 | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 15. | 15. |
| V3 | 5 | 172 | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 14. | |
| V2 | 6 | 181 | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 13. |
| V2 | 6 | 191 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 12. |
| V2 | 6 | 201 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 11. |
| V2 | 6 | 211 | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 10. |
| V2 | 6 | 221 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 9. |
| V2 | 6 | 231 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 8. |
| V2 | 6 | 241 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 7. |
| V2 | 6 | 251 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. |
| V2 | 6 | 261 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. |
| V2 | 6 | 271 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. |
| V2 | 6 | 281 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| V2 | 6 | 291 | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| V1 | 7 | 297 | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. |
| V1 | 7 | 307 | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. |
| V1 | 7 | 317 | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | |
| OB | 3 | 56 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. |
| OB | 3 | 66 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. |
| OB | 3 | 76 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. |
| OB | 3 | 86 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. |
| OB | 3 | 96 | 0. | 0. | | | | | | | | |

INTERMEDIATE REPORT

Flow — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

$m^3/s$ — Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GL | 1 | 11 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GL | 1 | 21 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 31 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | | | | | |
| FB | 2 | 36 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| FB | 2 | 46 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| F2 | 4 | 98 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| F2 | 4 | 108 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| F2 | 4 | 118 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| F2 | 4 | 128 | 60.7 | 60.7 | 60.7 | 60.7 | | | | | | |
| V3 | 5 | 132 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V3 | 5 | 142 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V3 | 5 | 152 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V3 | 5 | 162 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V3 | 5 | 172 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | |
| V2 | 6 | 181 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 191 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 201 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 211 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 221 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 231 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 241 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 251 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 261 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 271 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 281 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V2 | 6 | 291 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | | | | |
| V1 | 7 | 297 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V1 | 7 | 307 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| V1 | 7 | 317 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | |
| OB | 3 | 56 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| OB | 3 | 66 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| OB | 3 | 76 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| OB | 3 | 86 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| OB | 3 | 96 | 8.8 | 8.8 | | | | | | | | |

INTERMEDIATE REPORT
Dispersion
$m^2/s$

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| FB | 2 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| FB | 2 | 46 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| F2 | 4 | 98 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| F2 | 4 | 108 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| F2 | 4 | 118 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F2 | 4 | 128 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | |
| V3 | 5 | 132 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 142 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 162 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 172 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| V2 | 6 | 181 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 191 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 201 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 211 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 221 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 231 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 241 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 251 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 261 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 271 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 281 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 291 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| V1 | 7 | 297 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| V1 | 7 | 307 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| V1 | 7 | 317 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| OB | 3 | 56 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| OB | 3 | 66 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| OB | 3 | 76 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| OB | 3 | 86 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| OB | 3 | 96 | 0.1 | 0.1 | | | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GL | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| FB | 2 | 36 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| FB | 2 | 46 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| F2 | 4 | 98 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| F2 | 4 | 108 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| F2 | 4 | 118 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| F2 | 4 | 128 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | |
| V3 | 5 | 132 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 142 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 162 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V3 | 5 | 172 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V2 | 6 | 181 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 191 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 201 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 211 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 221 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 231 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 241 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 251 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 261 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 271 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 281 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| V2 | 6 | 291 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| V1 | 7 | 297 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| V1 | 7 | 307 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| V1 | 7 | 317 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| OB | 3 | 56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| OB | 3 | 66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| OB | 3 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| OB | 3 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| OB | 3 | 96 | 0.0 | 0.0 | | | | | | | | |

INTERMEDIATE REPORT

Depth — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

m — Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| GL | 1 | 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| GL | 1 | 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| GL | 1 | 31 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| FB | 2 | 36 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| FB | 2 | 46 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| F2 | 4 | 98 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| F2 | 4 | 108 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| F2 | 4 | 118 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| F2 | 4 | 128 | 4.4 | 4.4 | 4.4 | 4.4 | | | | | | |
| V3 | 5 | 132 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| V3 | 5 | 142 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| V3 | 5 | 152 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| V3 | 5 | 162 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| V3 | 5 | 172 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | |
| V2 | 6 | 181 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 191 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 201 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 211 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 221 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 231 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V2 | 6 | 241 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 251 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 261 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 271 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 281 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| V2 | 6 | 291 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | | | | |
| V1 | 7 | 297 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| V1 | 7 | 307 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| V1 | 7 | 317 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |
| OB | 3 | 56 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| OB | 3 | 66 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| OB | 3 | 76 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| OB | 3 | 86 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| OB | 3 | 96 | 2.5 | 2.5 | | | | | | | | |

INTERMEDIATE REPORT

Width LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

m Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 |
| GL | 1 | 11 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 |
| GL | 1 | 21 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 |
| GL | 1 | 31 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | 1343.0 | | | | | |
| FB | 2 | 36 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 |
| FB | 2 | 46 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 | 107.0 |
| F2 | 4 | 98 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| F2 | 4 | 108 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| F2 | 4 | 118 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| F2 | 4 | 128 | 87.0 | 87.0 | 87.0 | 87.0 | | | | | | |
| V3 | 5 | 132 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 |
| V3 | 5 | 142 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 |
| V3 | 5 | 152 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 |
| V3 | 5 | 162 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 |
| V3 | 5 | 172 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | 1892.0 | |
| V2 | 6 | 181 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 191 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 201 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 211 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 221 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 231 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 241 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 251 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 261 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 271 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 281 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 |
| V2 | 6 | 291 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | 4092.0 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V1 | 7 | 297 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 |
| V1 | 7 | 307 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 |
| V1 | 7 | 317 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | |
| OB | 3 | 56 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| OB | 3 | 66 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| OB | 3 | 76 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| OB | 3 | 86 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| OB | 3 | 96 | 87.0 | 87.0 | | | | | | | | |

INTERMEDIATE REPORT

Cross-Sectional Area — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

m² — Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 |
| GL | 1 | 11 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 |
| GL | 1 | 21 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 |
| GL | 1 | 31 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | 1356.4 | | | | | |
| FB | 2 | 36 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 |
| FB | 2 | 46 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 | 560.7 |
| F2 | 4 | 98 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 |
| F2 | 4 | 108 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 |
| F2 | 4 | 118 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 | 381.9 |
| F2 | 4 | 128 | 381.9 | 381.9 | 381.9 | 381.9 | | | | | | |
| V3 | 5 | 132 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 |
| V3 | 5 | 142 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 |
| V3 | 5 | 152 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 |
| V3 | 5 | 162 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 |
| V3 | 5 | 172 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | 2535.3 | |
| V2 | 6 | 181 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 191 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 201 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 211 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 221 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 231 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 241 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 251 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 261 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 271 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 281 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 |
| V2 | 6 | 291 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | 8716.0 | | | | |
| V1 | 7 | 297 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 |
| V1 | 7 | 307 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 |
| V1 | 7 | 317 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | 1495.7 | |
| OB | 3 | 56 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 |
| OB | 3 | 66 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 |
| OB | 3 | 76 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OB | 3 | 86 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 |
| OB | 3 | 96 | 217.5 | 217.5 | | | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate per day — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.942 | 0.942 | 0.943 | 0.943 | 0.943 | 0.944 | 0.944 | 0.944 | 0.945 | 0.945 |
| GL | 1 | 11 | 0.945 | 0.946 | 0.946 | 0.947 | 0.947 | 0.947 | 0.948 | 0.948 | 0.948 | 0.949 |
| GL | 1 | 21 | 0.949 | 0.949 | 0.950 | 0.950 | 0.950 | 0.951 | 0.951 | 0.952 | 0.952 | 0.952 |
| GL | 1 | 31 | 0.953 | 0.953 | 0.953 | 0.954 | 0.954 | | | | | |
| FB | 2 | 36 | 0.172 | 0.171 | 0.171 | 0.171 | 0.171 | 0.171 | 0.171 | 0.171 | 0.170 | 0.170 |
| FB | 2 | 46 | 0.170 | 0.170 | 0.170 | 0.170 | 0.170 | 0.169 | 0.169 | 0.169 | 0.169 | 0.169 |
| F2 | 4 | 98 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 |
| F2 | 4 | 108 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 |
| F2 | 4 | 118 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 | 0.215 |
| F2 | 4 | 128 | 0.215 | 0.215 | 0.215 | 0.215 | | | | | | |
| V3 | 5 | 132 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 | 0.706 |
| V3 | 5 | 142 | 0.706 | 0.706 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 |
| V3 | 5 | 152 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 | 0.705 |
| V3 | 5 | 162 | 0.705 | 0.705 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 |
| V3 | 5 | 172 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | 0.704 | |
| V2 | 6 | 181 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 |
| V2 | 6 | 191 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 |
| V2 | 6 | 201 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 | 0.443 |
| V2 | 6 | 211 | 0.443 | 0.443 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 221 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 231 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 241 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 251 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 261 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 271 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 281 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 |
| V2 | 6 | 291 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | 0.442 | | | | |
| V1 | 7 | 297 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 |
| V1 | 7 | 307 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 |
| V1 | 7 | 317 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | 0.483 | |
| OB | 3 | 56 | 0.360 | 0.359 | 0.359 | 0.359 | 0.359 | 0.359 | 0.359 | 0.359 | 0.358 | 0.358 |
| OB | 3 | 66 | 0.358 | 0.358 | 0.358 | 0.358 | 0.358 | 0.357 | 0.357 | 0.357 | 0.357 | 0.357 |
| OB | 3 | 76 | 0.357 | 0.357 | 0.357 | 0.356 | 0.356 | 0.356 | 0.356 | 0.356 | 0.356 | 0.356 |
| OB | 3 | 86 | 0.355 | 0.355 | 0.355 | 0.355 | 0.355 | 0.355 | 0.355 | 0.354 | 0.354 | 0.354 |
| OB | 3 | 96 | 0.354 | 0.354 | | | | | | | | |

INTERMEDIATE REPORT
BOD Decay Rate — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

per day

Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| GL | 1 | 11 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 |
| GL | 1 | 21 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| GL | 1 | 31 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | | | | | |
| FB | 2 | 36 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| FB | 2 | 46 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| F2 | 4 | 98 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| F2 | 4 | 108 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| F2 | 4 | 118 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| F2 | 4 | 128 | 0.38 | 0.38 | 0.38 | 0.38 | | | | | | |
| V3 | 5 | 132 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V3 | 5 | 142 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V3 | 5 | 152 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V3 | 5 | 162 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V3 | 5 | 172 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | |
| V2 | 6 | 181 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V2 | 6 | 191 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V2 | 6 | 201 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| V2 | 6 | 211 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 221 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 231 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 241 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 251 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 261 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 271 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 281 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| V2 | 6 | 291 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | | | | |
| V1 | 7 | 297 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| V1 | 7 | 307 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| V1 | 7 | 317 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | |
| OB | 3 | 56 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 |
| OB | 3 | 66 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| OB | 3 | 76 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 |
| OB | 3 | 86 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| OB | 3 | 96 | 0.38 | 0.38 | | | | | | | | |

INTERMEDIATE REPORT

BOD Settling Rate

per day

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)

Calibration Simulation for Lake Verret and Grassy Lake model

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GL | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| FB | 2 | 36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FB | 2 | 46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| F2 | 4 | 128 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| V3 | 5 | 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V3 | 5 | 172 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| V2 | 6 | 181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 191 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 201 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 211 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 221 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 231 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 241 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 251 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 261 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 271 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 281 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V2 | 6 | 291 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| V1 | 7 | 297 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 307 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| V1 | 7 | 317 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| OB | 3 | 56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OB | 3 | 96 | 0.00 | 0.00 | | | | | | | | |

INTERMEDIATE REPORT
Ammonia Decay Rate
per day

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| GL | 1 | 11 | 0.56 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.58 |
| GL | 1 | 21 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.59 | 0.59 |
| GL | 1 | 31 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | | | | | |
| FB | 2 | 36 | 0.59 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.56 |
| FB | 2 | 46 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 |
| F2 | 4 | 98 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F2 | 4 | 108 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 |
| F2 | 4 | 118 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| F2 | 4 | 128 | 0.51 | 0.51 | 0.51 | 0.51 | | | | | | |
| V3 | 5 | 132 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| V3 | 5 | 142 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| V3 | 5 | 152 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| V3 | 5 | 162 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| V3 | 5 | 172 | 0.52 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | |
| V2 | 6 | 181 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| V2 | 6 | 191 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.52 | 0.52 | 0.52 |
| V2 | 6 | 201 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| V2 | 6 | 211 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 221 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 231 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 241 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 251 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 261 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| V2 | 6 | 271 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 | 0.53 |
| V2 | 6 | 281 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| V2 | 6 | 291 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | | | | |
| V1 | 7 | 297 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 |
| V1 | 7 | 307 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| V1 | 7 | 317 | 0.51 | 0.51 | 0.51 | 0.51 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | |
| OB | 3 | 56 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |
| OB | 3 | 66 | 0.58 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 |
| OB | 3 | 76 | 0.57 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.55 |
| OB | 3 | 86 | 0.55 | 0.54 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 |
| OB | 3 | 96 | 0.52 | 0.51 | | | | | | | | |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GL | 1 | 1 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 |
| GL | 1 | 11 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 |
| GL | 1 | 21 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 |
| GL | 1 | 31 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 | | | | | |
| FB | 2 | 36 | 7.18 | 7.15 | 7.13 | 7.11 | 7.09 | 7.06 | 7.04 | 7.02 | 7.00 | 6.98 |
| FB | 2 | 46 | 6.95 | 6.93 | 6.91 | 6.89 | 6.87 | 6.85 | 6.82 | 6.80 | 6.78 | 6.76 |
| F2 | 4 | 98 | 6.76 | 6.76 | 6.76 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 |
| F2 | 4 | 108 | 6.75 | 6.74 | 6.74 | 6.74 | 6.74 | 6.74 | 6.74 | 6.74 | 6.74 | 6.73 |
| F2 | 4 | 118 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.72 | 6.72 | 6.72 |
| F2 | 4 | 128 | 6.72 | 6.72 | 6.72 | 6.72 | | | | | | |
| V3 | 5 | 132 | 3.36 | 3.36 | 3.36 | 3.36 | 3.35 | 3.35 | 3.35 | 3.35 | 3.35 | 3.35 |
| V3 | 5 | 142 | 3.35 | 3.35 | 3.35 | 3.35 | 3.35 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 |
| V3 | 5 | 152 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 | 3.33 | 3.33 | 3.33 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V3 | 5 | 162 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.32 |
| V3 | 5 | 172 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | |
| V2 | 6 | 181 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.31 |
| V2 | 6 | 191 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| V2 | 6 | 201 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| V2 | 6 | 211 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| V2 | 6 | 221 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| V2 | 6 | 231 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| V2 | 6 | 241 | 3.31 | 3.31 | 3.31 | 3.31 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 |
| V2 | 6 | 251 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 |
| V2 | 6 | 261 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 |
| V2 | 6 | 271 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 |
| V2 | 6 | 281 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 |
| V2 | 6 | 291 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | | | | |
| V1 | 7 | 297 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 |
| V1 | 7 | 307 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 |
| V1 | 7 | 317 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | |
| OB | 3 | 56 | 7.19 | 7.18 | 7.17 | 7.16 | 7.15 | 7.13 | 7.12 | 7.11 | 7.10 | 7.09 |
| OB | 3 | 66 | 7.08 | 7.07 | 7.06 | 7.05 | 7.04 | 7.03 | 7.02 | 7.01 | 7.00 | 6.99 |
| OB | 3 | 76 | 6.98 | 6.97 | 6.96 | 6.94 | 6.93 | 6.92 | 6.91 | 6.90 | 6.89 | 6.88 |
| OB | 3 | 86 | 6.87 | 6.86 | 6.85 | 6.84 | 6.83 | 6.82 | 6.81 | 6.80 | 6.79 | 6.78 |
| OB | 3 | 96 | 6.77 | 6.76 | | | | | | | | |

CONDENSED CAPSULE SUMMARY FOR Grassy Lake

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 60.70000 | 33.10 | 0.00 | 6.70 | 21.15 | 0.00 | 1.60 | 0.10 | 100.00 | | | | | | | |
| 28.20 | 60.70000 | 33.12 | 0.00 | 6.72 | 21.16 | 0.00 | 1.60 | 0.10 | 99.86 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 28.10 | 60.70000 | 33.15 | 0.00 | 6.74 | 21.16 | 0.00 | 1.61 | 0.10 | 99.71 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 28.00 | 60.70000 | 33.17 | 0.00 | 6.76 | 21.17 | 0.00 | 1.61 | 0.10 | 99.57 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 27.90 | 60.70000 | 33.19 | 0.00 | 6.77 | 21.17 | 0.00 | 1.62 | 0.10 | 99.43 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 27.80 | 60.70000 | 33.21 | 0.00 | 6.79 | 21.18 | 0.00 | 1.62 | 0.10 | 99.29 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 27.70 | 60.70000 | 33.24 | 0.00 | 6.81 | 21.18 | 0.00 | 1.62 | 0.10 | 99.14 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 27.60 | 60.70000 | 33.26 | 0.00 | 6.82 | 21.19 | 0.00 | 1.63 | 0.10 | 99.00 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 27.50 | 60.70000 | 33.28 | 0.00 | 6.83 | 21.19 | 0.00 | 1.63 | 0.10 | 98.86 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 27.40 | 60.70000 | 33.31 | 0.00 | 6.85 | 21.20 | 0.00 | 1.63 | 0.10 | 98.71 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 27.30 | 60.70000 | 33.33 | 0.00 | 6.86 | 21.20 | 0.00 | 1.64 | 0.10 | 98.57 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 27.20 | 60.70000 | 33.35 | 0.00 | 6.87 | 21.21 | 0.00 | 1.64 | 0.10 | 98.43 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 27.10 | 60.70000 | 33.37 | 0.00 | 6.88 | 21.21 | 0.00 | 1.65 | 0.10 | 98.29 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 27.00 | 60.70000 | 33.40 | 0.00 | 6.89 | 21.21 | 0.00 | 1.65 | 0.10 | 98.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 26.90 | 60.70000 | 33.42 | 0.00 | 6.90 | 21.22 | 0.00 | 1.65 | 0.10 | 98.00 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 26.80 | 60.70000 | 33.44 | 0.00 | 6.91 | 21.22 | 0.00 | 1.66 | 0.10 | 97.86 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 26.70 | 60.70000 | 33.47 | 0.00 | 6.92 | 21.22 | 0.00 | 1.66 | 0.10 | 97.71 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 26.60 | 60.70000 | 33.49 | 0.00 | 6.93 | 21.23 | 0.00 | 1.66 | 0.09 | 97.57 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |
| 26.50 | 60.70000 | 33.51 | 0.00 | 6.93 | 21.23 | 0.00 | 1.67 | 0.09 | 97.43 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |
| 26.40 | 60.70000 | 33.53 | 0.00 | 6.94 | 21.23 | 0.00 | 1.67 | 0.09 | 97.29 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26.30 | 60.70000 | 33.56 | 0.00 | 6.95 | 21.23 | 0.00 | 1.68 | 0.09 | 97.14 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.64 |
| 26.20 | 60.70000 | 33.58 | 0.00 | 6.95 | 21.24 | 0.00 | 1.68 | 0.09 | 97.00 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 26.10 | 60.70000 | 33.60 | 0.00 | 6.96 | 21.24 | 0.00 | 1.68 | 0.09 | 96.86 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 26.00 | 60.70000 | 33.63 | 0.00 | 6.96 | 21.24 | 0.00 | 1.69 | 0.09 | 96.71 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 25.90 | 60.70000 | 33.65 | 0.00 | 6.96 | 21.24 | 0.00 | 1.69 | 0.09 | 96.57 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 25.80 | 60.70000 | 33.67 | 0.00 | 6.97 | 21.24 | 0.00 | 1.69 | 0.09 | 96.43 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 25.70 | 51.90000 | 33.69 | 0.00 | 6.97 | 21.24 | 0.00 | 1.70 | 0.09 | 96.29 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 25.60 | 51.90000 | 33.72 | 0.00 | 6.97 | 21.24 | 0.00 | 1.70 | 0.09 | 96.14 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 25.50 | 51.90000 | 33.74 | 0.00 | 6.98 | 21.24 | 0.00 | 1.71 | 0.09 | 96.00 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 25.40 | 51.90000 | 33.76 | 0.00 | 6.98 | 21.24 | 0.00 | 1.71 | 0.09 | 95.86 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 25.30 | 51.90000 | 33.79 | 0.00 | 6.98 | 21.24 | 0.00 | 1.72 | 0.09 | 95.71 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 25.20 | 51.90000 | 33.81 | 0.00 | 6.98 | 21.24 | 0.00 | 1.72 | 0.09 | 95.57 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 25.10 | 51.90000 | 33.83 | 0.00 | 6.98 | 21.24 | 0.00 | 1.72 | 0.09 | 95.43 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 25.00 | 51.90000 | 33.85 | 0.00 | 6.98 | 21.24 | 0.00 | 1.73 | 0.09 | 95.29 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 24.90 | 51.90000 | 33.88 | 0.00 | 6.98 | 21.24 | 0.00 | 1.73 | 0.09 | 95.14 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.68 |
| 24.80 | 51.90000 | 33.90 | 0.00 | 6.98 | 21.24 | 0.00 | 1.74 | 0.09 | 95.00 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.68 |
| 24.70 | 51.90000 | 33.85 | 0.00 | 6.96 | 21.26 | 0.00 | 1.75 | 0.09 | 91.75 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.18 |
| 24.60 | 51.90000 | 33.80 | 0.00 | 6.94 | 21.27 | 0.00 | 1.75 | 0.09 | 88.50 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.15 |
| 24.50 | 51.90000 | 33.75 | 0.00 | 6.91 | 21.29 | 0.00 | 1.76 | 0.09 | 85.25 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.13 |
| 24.40 | 51.90000 | 33.70 | 0.00 | 6.89 | 21.30 | 0.00 | 1.77 | 0.09 | 82.00 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.11 |
| 24.30 | 51.90000 | 33.65 | 0.00 | 6.85 | 21.32 | 0.00 | 1.78 | 0.09 | 78.75 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.09 |
| 24.20 | 51.90000 | 33.60 | 0.00 | 6.82 | 21.33 | 0.00 | 1.78 | 0.09 | 75.50 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.06 |
| 24.10 | 51.90000 | 33.55 | 0.00 | 6.78 | 21.35 | 0.00 | 1.79 | 0.09 | 72.25 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.04 |
| 24.00 | 51.90000 | 33.50 | 0.00 | 6.74 | 21.36 | 0.00 | 1.80 | 0.09 | 69.00 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.02 |
| 23.90 | 51.90000 | 33.45 | 0.00 | 6.69 | 21.38 | 0.00 | 1.81 | 0.09 | 65.75 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.00 |
| 23.80 | 51.90000 | 33.40 | 0.00 | 6.64 | 21.40 | 0.00 | 1.81 | 0.09 | 62.50 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.98 |
| 23.70 | 51.90000 | 33.35 | 0.00 | 6.59 | 21.41 | 0.00 | 1.82 | 0.09 | 59.25 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.95 |
| 23.60 | 51.90000 | 33.30 | 0.00 | 6.53 | 21.43 | 0.00 | 1.83 | 0.09 | 56.00 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.93 |
| 23.50 | 51.90000 | 33.25 | 0.00 | 6.47 | 21.45 | 0.00 | 1.83 | 0.09 | 52.75 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.91 |
| 23.40 | 51.90000 | 33.20 | 0.00 | 6.40 | 21.47 | 0.00 | 1.84 | 0.09 | 49.50 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.89 |
| 23.30 | 51.90000 | 33.15 | 0.00 | 6.34 | 21.48 | 0.00 | 1.85 | 0.09 | 46.25 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.87 |
| 23.20 | 51.90000 | 33.10 | 0.00 | 6.26 | 21.50 | 0.00 | 1.86 | 0.09 | 43.00 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.85 |
| 23.10 | 51.90000 | 33.05 | 0.00 | 6.19 | 21.52 | 0.00 | 1.86 | 0.09 | 39.75 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.82 |
| 23.00 | 51.90000 | 33.00 | 0.00 | 6.11 | 21.53 | 0.00 | 1.87 | 0.09 | 36.50 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.80 |
| 22.90 | 51.90000 | 32.95 | 0.00 | 6.03 | 21.55 | 0.00 | 1.88 | 0.09 | 33.25 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.78 |
| 22.80 | 51.90000 | 32.90 | 0.00 | 5.94 | 21.52 | 0.00 | 1.89 | 0.09 | 30.00 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 22.70 | 60.70000 | 32.90 | 0.00 | 5.78 | 20.11 | 0.00 | 1.92 | 0.09 | 32.06 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 22.60 | 60.70000 | 32.89 | 0.00 | 5.74 | 20.12 | 0.00 | 1.93 | 0.09 | 34.12 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 22.50 | 60.70000 | 32.89 | 0.00 | 5.70 | 20.13 | 0.00 | 1.94 | 0.09 | 36.18 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 22.40 | 60.70000 | 32.89 | 0.00 | 5.66 | 20.14 | 0.00 | 1.95 | 0.09 | 38.24 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 22.30 | 60.70000 | 32.89 | 0.00 | 5.62 | 20.15 | 0.00 | 1.95 | 0.09 | 40.29 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 22.20 | 60.70000 | 32.88 | 0.00 | 5.58 | 20.16 | 0.00 | 1.96 | 0.09 | 42.35 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 22.10 | 60.70000 | 32.88 | 0.00 | 5.54 | 20.17 | 0.00 | 1.97 | 0.09 | 44.41 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 22.00 | 60.70000 | 32.88 | 0.00 | 5.51 | 20.18 | 0.00 | 1.97 | 0.09 | 46.47 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 21.90 | 60.70000 | 32.87 | 0.00 | 5.47 | 20.19 | 0.00 | 1.98 | 0.09 | 48.53 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 21.80 | 60.70000 | 32.87 | 0.00 | 5.44 | 20.20 | 0.00 | 1.99 | 0.09 | 50.59 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 21.70 | 60.70000 | 32.87 | 0.00 | 5.41 | 20.21 | 0.00 | 2.00 | 0.09 | 52.65 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 21.60 | 60.70000 | 32.86 | 0.00 | 5.38 | 20.22 | 0.00 | 2.00 | 0.09 | 54.71 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 21.50 | 60.70000 | 32.86 | 0.00 | 5.35 | 20.23 | 0.00 | 2.01 | 0.09 | 56.76 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 21.40 | 60.70000 | 32.86 | 0.00 | 5.32 | 20.23 | 0.00 | 2.02 | 0.09 | 58.82 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.30 | 60.70000 | 32.86 | 0.00 | 5.30 | 20.24 | 0.00 | 2.02 | 0.09 | 60.88 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 21.20 | 60.70000 | 32.85 | 0.00 | 5.28 | 20.25 | 0.00 | 2.03 | 0.09 | 62.94 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 21.10 | 60.70000 | 32.85 | 0.00 | 5.25 | 20.26 | 0.00 | 2.04 | 0.09 | 65.00 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 21.00 | 60.70000 | 32.85 | 0.00 | 5.23 | 20.27 | 0.00 | 2.05 | 0.09 | 67.06 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.74 |
| 20.90 | 60.70000 | 32.84 | 0.00 | 5.21 | 20.28 | 0.00 | 2.05 | 0.09 | 69.12 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.74 |
| 20.80 | 60.70000 | 32.84 | 0.00 | 5.19 | 20.29 | 0.00 | 2.06 | 0.09 | 71.18 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.70 | 60.70000 | 32.84 | 0.00 | 5.17 | 20.30 | 0.00 | 2.07 | 0.09 | 73.24 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.60 | 60.70000 | 32.84 | 0.00 | 5.16 | 20.31 | 0.00 | 2.07 | 0.09 | 75.29 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.50 | 60.70000 | 32.83 | 0.00 | 5.14 | 20.32 | 0.00 | 2.08 | 0.09 | 77.35 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.40 | 60.70000 | 32.83 | 0.00 | 5.13 | 20.33 | 0.00 | 2.09 | 0.09 | 79.41 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.30 | 60.70000 | 32.83 | 0.00 | 5.12 | 20.34 | 0.00 | 2.10 | 0.09 | 81.47 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.20 | 60.70000 | 32.82 | 0.00 | 5.11 | 20.35 | 0.00 | 2.10 | 0.09 | 83.53 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.10 | 60.70000 | 32.82 | 0.00 | 5.10 | 20.36 | 0.00 | 2.11 | 0.09 | 85.59 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 |
| 20.00 | 60.70000 | 32.82 | 0.00 | 5.09 | 20.37 | 0.00 | 2.12 | 0.09 | 87.65 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.90 | 60.70000 | 32.81 | 0.00 | 5.08 | 20.38 | 0.00 | 2.13 | 0.09 | 89.71 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.80 | 60.70000 | 32.81 | 0.00 | 5.08 | 20.39 | 0.00 | 2.13 | 0.09 | 91.76 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.70 | 60.70000 | 32.81 | 0.00 | 5.08 | 20.40 | 0.00 | 2.14 | 0.09 | 93.82 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.60 | 60.70000 | 32.81 | 0.00 | 5.07 | 20.41 | 0.00 | 2.15 | 0.09 | 95.88 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.50 | 60.70000 | 32.80 | 0.00 | 5.07 | 20.42 | 0.00 | 2.15 | 0.09 | 97.94 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.40 | 60.70000 | 32.80 | 0.00 | 5.09 | 20.39 | 0.00 | 2.16 | 0.09 | 100.00 | 0.21 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 |
| 19.30 | 90.80000 | 32.80 | 0.00 | 5.97 | 19.00 | 0.00 | 2.25 | 0.09 | 100.10 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 |
| 19.20 | 90.80000 | 32.79 | 0.00 | 6.02 | 19.34 | 0.00 | 2.25 | 0.10 | 100.20 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 |
| 19.10 | 90.80000 | 32.79 | 0.00 | 6.06 | 19.67 | 0.00 | 2.26 | 0.10 | 100.31 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 |
| 19.00 | 90.80000 | 32.78 | 0.00 | 6.11 | 20.00 | 0.00 | 2.26 | 0.10 | 100.41 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 |
| 18.90 | 90.80000 | 32.78 | 0.00 | 6.14 | 20.32 | 0.00 | 2.27 | 0.10 | 100.51 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.80 | 90.80000 | 32.78 | 0.00 | 6.18 | 20.65 | 0.00 | 2.27 | 0.10 | 100.61 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.70 | 90.80000 | 32.77 | 0.00 | 6.21 | 20.97 | 0.00 | 2.28 | 0.10 | 100.71 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.60 | 90.80000 | 32.77 | 0.00 | 6.24 | 21.29 | 0.00 | 2.28 | 0.10 | 100.82 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.50 | 90.80157 | 32.76 | 0.00 | 6.27 | 21.60 | 0.00 | 2.29 | 0.10 | 100.92 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.40 | 90.80157 | 32.76 | 0.00 | 6.29 | 21.91 | 0.00 | 2.29 | 0.10 | 101.02 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.30 | 90.80157 | 32.76 | 0.00 | 6.31 | 22.22 | 0.00 | 2.30 | 0.10 | 101.12 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.20 | 90.80157 | 32.75 | 0.00 | 6.33 | 22.53 | 0.00 | 2.30 | 0.10 | 101.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.10 | 90.80157 | 32.75 | 0.00 | 6.34 | 22.83 | 0.00 | 2.31 | 0.10 | 101.33 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 18.00 | 90.80157 | 32.74 | 0.00 | 6.35 | 23.13 | 0.00 | 2.31 | 0.10 | 101.43 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 17.90 | 90.80157 | 32.74 | 0.00 | 6.36 | 23.43 | 0.00 | 2.32 | 0.10 | 101.53 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 |
| 17.80 | 90.80157 | 32.73 | 0.00 | 6.37 | 23.72 | 0.00 | 2.32 | 0.10 | 101.63 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.70 | 90.80157 | 32.73 | 0.00 | 6.37 | 24.01 | 0.00 | 2.33 | 0.10 | 101.73 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.60 | 90.80202 | 32.73 | 0.00 | 6.37 | 24.30 | 0.00 | 2.33 | 0.10 | 101.84 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.50 | 90.80202 | 32.72 | 0.00 | 6.37 | 24.59 | 0.00 | 2.34 | 0.10 | 101.94 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.40 | 90.80202 | 32.72 | 0.00 | 6.37 | 24.87 | 0.00 | 2.34 | 0.10 | 102.04 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.30 | 90.80202 | 32.71 | 0.00 | 6.36 | 25.16 | 0.00 | 2.35 | 0.10 | 102.14 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.20 | 90.80202 | 32.71 | 0.00 | 6.35 | 25.44 | 0.00 | 2.35 | 0.10 | 102.24 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.10 | 90.80202 | 32.71 | 0.00 | 6.34 | 25.71 | 0.00 | 2.36 | 0.10 | 102.35 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 17.00 | 90.80202 | 32.70 | 0.00 | 6.33 | 25.99 | 0.00 | 2.36 | 0.10 | 102.45 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 16.90 | 90.80202 | 32.70 | 0.00 | 6.32 | 26.26 | 0.00 | 2.37 | 0.10 | 102.55 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 16.80 | 90.80202 | 32.69 | 0.00 | 6.30 | 26.53 | 0.00 | 2.37 | 0.10 | 102.65 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 16.70 | 90.80202 | 32.69 | 0.00 | 6.28 | 26.79 | 0.00 | 2.38 | 0.10 | 102.76 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 16.60 | 90.80202 | 32.69 | 0.00 | 6.27 | 27.06 | 0.00 | 2.38 | 0.10 | 102.86 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 16.50 | 90.80202 | 32.68 | 0.00 | 6.24 | 27.32 | 0.00 | 2.39 | 0.10 | 102.96 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 16.40 | 90.80202 | 32.68 | 0.00 | 6.22 | 27.58 | 0.00 | 2.39 | 0.10 | 103.06 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.30 | 90.80202 | 32.67 | 0.00 | 6.20 | 27.84 | 0.00 | 2.40 | 0.10 | 103.16 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 16.20 | 90.80202 | 32.67 | 0.00 | 6.17 | 28.09 | 0.00 | 2.40 | 0.10 | 103.27 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 16.10 | 90.80202 | 32.67 | 0.00 | 6.15 | 28.35 | 0.00 | 2.41 | 0.10 | 103.37 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 16.00 | 90.80202 | 32.66 | 0.00 | 6.12 | 28.60 | 0.00 | 2.41 | 0.10 | 103.47 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.90 | 90.80202 | 32.66 | 0.00 | 6.09 | 28.85 | 0.00 | 2.42 | 0.10 | 103.57 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.80 | 90.80202 | 32.65 | 0.00 | 6.06 | 29.09 | 0.00 | 2.42 | 0.10 | 103.67 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.70 | 90.80202 | 32.65 | 0.00 | 6.03 | 29.34 | 0.00 | 2.43 | 0.10 | 103.78 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.60 | 90.80202 | 32.64 | 0.00 | 5.99 | 29.58 | 0.00 | 2.43 | 0.10 | 103.88 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.50 | 90.80202 | 32.64 | 0.00 | 5.96 | 29.82 | 0.00 | 2.44 | 0.10 | 103.98 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 15.40 | 90.80202 | 32.64 | 0.00 | 5.92 | 30.05 | 0.00 | 2.44 | 0.10 | 104.08 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 15.30 | 90.80202 | 32.63 | 0.00 | 5.89 | 30.29 | 0.00 | 2.45 | 0.10 | 104.18 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 15.20 | 90.80202 | 32.63 | 0.00 | 5.85 | 30.52 | 0.00 | 2.45 | 0.11 | 104.29 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 15.10 | 90.80202 | 32.62 | 0.00 | 5.81 | 30.75 | 0.00 | 2.46 | 0.11 | 104.39 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 15.00 | 90.80202 | 32.62 | 0.00 | 5.77 | 30.98 | 0.00 | 2.46 | 0.11 | 104.49 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 14.90 | 90.80202 | 32.62 | 0.00 | 5.73 | 31.21 | 0.00 | 2.47 | 0.11 | 104.59 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.80 | 90.80202 | 32.61 | 0.00 | 5.69 | 31.43 | 0.00 | 2.47 | 0.11 | 104.69 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.70 | 90.80202 | 32.61 | 0.00 | 5.65 | 31.66 | 0.00 | 2.48 | 0.11 | 104.80 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.60 | 90.80202 | 32.60 | 0.00 | 5.61 | 31.88 | 0.00 | 2.48 | 0.11 | 104.90 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.50 | 90.80202 | 32.60 | 0.00 | 5.56 | 32.09 | 0.00 | 2.49 | 0.11 | 105.00 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.40 | 90.80202 | 32.60 | 0.00 | 5.49 | 31.48 | 0.00 | 2.48 | 0.11 | 104.53 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.30 | 90.80202 | 32.60 | 0.00 | 5.43 | 30.90 | 0.00 | 2.47 | 0.11 | 104.05 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.20 | 90.80202 | 32.60 | 0.00 | 5.38 | 30.33 | 0.00 | 2.47 | 0.11 | 103.58 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.10 | 90.80202 | 32.60 | 0.00 | 5.35 | 29.78 | 0.00 | 2.46 | 0.11 | 103.10 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 14.00 | 90.80202 | 32.60 | 0.00 | 5.34 | 29.25 | 0.00 | 2.46 | 0.11 | 102.63 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 13.90 | 90.80202 | 32.59 | 0.00 | 5.33 | 28.74 | 0.00 | 2.45 | 0.11 | 102.16 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 13.80 | 90.80202 | 32.59 | 0.00 | 5.34 | 28.24 | 0.00 | 2.44 | 0.11 | 101.68 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 13.70 | 90.80202 | 32.59 | 0.00 | 5.35 | 27.75 | 0.00 | 2.44 | 0.11 | 101.21 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 13.60 | 90.80202 | 32.59 | 0.00 | 5.37 | 27.29 | 0.00 | 2.43 | 0.11 | 100.73 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 13.50 | 90.80202 | 32.59 | 0.00 | 5.41 | 26.83 | 0.00 | 2.42 | 0.11 | 100.26 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 13.40 | 90.80202 | 32.59 | 0.00 | 5.45 | 26.39 | 0.00 | 2.42 | 0.11 | 99.78 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 13.30 | 90.80202 | 32.59 | 0.00 | 5.49 | 25.96 | 0.00 | 2.41 | 0.12 | 99.31 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 13.20 | 90.80202 | 32.59 | 0.00 | 5.54 | 25.55 | 0.00 | 2.40 | 0.12 | 98.84 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 13.10 | 90.80202 | 32.59 | 0.00 | 5.60 | 25.15 | 0.00 | 2.40 | 0.12 | 98.36 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 13.00 | 90.80202 | 32.59 | 0.00 | 5.66 | 24.76 | 0.00 | 2.39 | 0.12 | 97.89 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 12.90 | 90.80202 | 32.59 | 0.00 | 5.72 | 24.38 | 0.00 | 2.38 | 0.12 | 97.41 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 12.80 | 90.80202 | 32.59 | 0.00 | 5.79 | 24.02 | 0.00 | 2.38 | 0.12 | 96.94 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 |
| 12.70 | 90.80202 | 32.58 | 0.00 | 5.86 | 23.66 | 0.00 | 2.37 | 0.12 | 96.47 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.60 | 90.80202 | 32.58 | 0.00 | 5.94 | 23.32 | 0.00 | 2.37 | 0.12 | 95.99 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.50 | 90.80202 | 32.58 | 0.00 | 6.01 | 22.99 | 0.00 | 2.36 | 0.12 | 95.52 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.40 | 90.80202 | 32.58 | 0.00 | 6.09 | 22.67 | 0.00 | 2.35 | 0.12 | 95.04 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.30 | 90.80202 | 32.58 | 0.00 | 6.17 | 22.35 | 0.00 | 2.35 | 0.12 | 94.57 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.20 | 90.80202 | 32.58 | 0.00 | 6.25 | 22.05 | 0.00 | 2.34 | 0.12 | 94.09 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.10 | 90.80202 | 32.58 | 0.00 | 6.33 | 21.76 | 0.00 | 2.33 | 0.12 | 93.62 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 12.00 | 90.80202 | 32.58 | 0.00 | 6.41 | 21.47 | 0.00 | 2.33 | 0.12 | 93.15 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 11.90 | 90.80202 | 32.58 | 0.00 | 6.49 | 21.20 | 0.00 | 2.32 | 0.12 | 92.67 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.80 | 90.80202 | 32.58 | 0.00 | 6.57 | 20.93 | 0.00 | 2.32 | 0.12 | 92.20 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.70 | 90.80327 | 32.58 | 0.00 | 6.65 | 20.67 | 0.00 | 2.31 | 0.12 | 91.72 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.60 | 90.80327 | 32.58 | 0.00 | 6.73 | 20.42 | 0.00 | 2.30 | 0.12 | 91.25 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.50 | 90.80327 | 32.57 | 0.00 | 6.81 | 20.18 | 0.00 | 2.30 | 0.12 | 90.78 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.40 | 90.80327 | 32.57 | 0.00 | 6.88 | 19.94 | 0.00 | 2.29 | 0.11 | 90.30 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.30 | 90.80327 | 32.57 | 0.00 | 6.96 | 19.71 | 0.00 | 2.29 | 0.11 | 89.83 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.20 | 90.80327 | 32.57 | 0.00 | 7.04 | 19.49 | 0.00 | 2.28 | 0.11 | 89.35 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.10 | 90.80327 | 32.57 | 0.00 | 7.11 | 19.28 | 0.00 | 2.27 | 0.11 | 88.88 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 11.00 | 90.80327 | 32.57 | 0.00 | 7.18 | 19.07 | 0.00 | 2.27 | 0.11 | 88.41 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 10.90 | 90.80327 | 32.57 | 0.00 | 7.25 | 18.87 | 0.00 | 2.26 | 0.11 | 87.93 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.80 | 90.80327 | 32.57 | 0.00 | 7.32 | 18.67 | 0.00 | 2.26 | 0.11 | 87.46 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.70 | 90.80327 | 32.57 | 0.00 | 7.38 | 18.48 | 0.00 | 2.25 | 0.11 | 86.98 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.60 | 90.80327 | 32.57 | 0.00 | 7.45 | 18.30 | 0.00 | 2.24 | 0.11 | 86.51 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.50 | 90.80327 | 32.57 | 0.00 | 7.51 | 18.12 | 0.00 | 2.24 | 0.11 | 86.03 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.40 | 90.80327 | 32.56 | 0.00 | 7.57 | 17.95 | 0.00 | 2.23 | 0.11 | 85.56 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.30 | 90.80327 | 32.56 | 0.00 | 7.63 | 17.78 | 0.00 | 2.23 | 0.11 | 85.09 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.20 | 90.80327 | 32.56 | 0.00 | 7.69 | 17.62 | 0.00 | 2.22 | 0.11 | 84.61 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.10 | 90.80327 | 32.56 | 0.00 | 7.74 | 17.46 | 0.00 | 2.22 | 0.11 | 84.14 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 10.00 | 90.80327 | 32.56 | 0.00 | 7.79 | 17.31 | 0.00 | 2.21 | 0.11 | 83.66 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.90 | 90.80327 | 32.56 | 0.00 | 7.84 | 17.16 | 0.00 | 2.20 | 0.11 | 83.19 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.80 | 90.80327 | 32.56 | 0.00 | 7.88 | 17.02 | 0.00 | 2.20 | 0.11 | 82.72 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.70 | 90.80327 | 32.56 | 0.00 | 7.93 | 16.88 | 0.00 | 2.19 | 0.11 | 82.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.60 | 90.80327 | 32.56 | 0.00 | 7.97 | 16.75 | 0.00 | 2.19 | 0.11 | 81.77 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.50 | 90.80327 | 32.56 | 0.00 | 8.01 | 16.62 | 0.00 | 2.18 | 0.11 | 81.29 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.40 | 90.80327 | 32.56 | 0.00 | 8.05 | 16.49 | 0.00 | 2.18 | 0.11 | 80.82 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.30 | 90.80327 | 32.56 | 0.00 | 8.08 | 16.37 | 0.00 | 2.17 | 0.11 | 80.34 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.20 | 90.80327 | 32.55 | 0.00 | 8.11 | 16.25 | 0.00 | 2.16 | 0.11 | 79.87 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.10 | 90.80327 | 32.55 | 0.00 | 8.14 | 16.13 | 0.00 | 2.16 | 0.11 | 79.40 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 9.00 | 90.80327 | 32.55 | 0.00 | 8.17 | 16.02 | 0.00 | 2.15 | 0.11 | 78.92 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.90 | 90.80327 | 32.55 | 0.00 | 8.19 | 15.91 | 0.00 | 2.15 | 0.11 | 78.45 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.80 | 90.80327 | 32.55 | 0.00 | 8.22 | 15.81 | 0.00 | 2.14 | 0.11 | 77.97 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.70 | 90.80327 | 32.55 | 0.00 | 8.24 | 15.71 | 0.00 | 2.14 | 0.11 | 77.50 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.60 | 90.80327 | 32.55 | 0.00 | 8.25 | 15.61 | 0.00 | 2.13 | 0.11 | 77.03 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.50 | 90.80327 | 32.55 | 0.00 | 8.27 | 15.52 | 0.00 | 2.12 | 0.11 | 76.55 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.40 | 90.80327 | 32.55 | 0.00 | 8.28 | 15.42 | 0.00 | 2.12 | 0.11 | 76.08 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.30 | 90.80327 | 32.55 | 0.00 | 8.29 | 15.33 | 0.00 | 2.11 | 0.11 | 75.60 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.20 | 90.80327 | 32.55 | 0.00 | 8.30 | 15.25 | 0.00 | 2.11 | 0.10 | 75.13 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.10 | 90.80327 | 32.54 | 0.00 | 8.31 | 15.16 | 0.00 | 2.10 | 0.10 | 74.66 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 8.00 | 90.80327 | 32.54 | 0.00 | 8.31 | 15.08 | 0.00 | 2.10 | 0.10 | 74.18 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.90 | 90.80327 | 32.54 | 0.00 | 8.31 | 15.00 | 0.00 | 2.09 | 0.10 | 73.71 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.80 | 90.80327 | 32.54 | 0.00 | 8.31 | 14.93 | 0.00 | 2.09 | 0.10 | 73.23 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.70 | 90.80327 | 32.54 | 0.00 | 8.31 | 14.85 | 0.00 | 2.08 | 0.10 | 72.76 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.60 | 90.80327 | 32.54 | 0.00 | 8.31 | 14.78 | 0.00 | 2.08 | 0.10 | 72.28 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.50 | 90.80327 | 32.54 | 0.00 | 8.30 | 14.71 | 0.00 | 2.07 | 0.10 | 71.81 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.40 | 90.80327 | 32.54 | 0.00 | 8.29 | 14.64 | 0.00 | 2.06 | 0.10 | 71.34 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.30 | 90.80327 | 32.54 | 0.00 | 8.28 | 14.58 | 0.00 | 2.06 | 0.10 | 70.86 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.20 | 90.80327 | 32.54 | 0.00 | 8.27 | 14.52 | 0.00 | 2.05 | 0.10 | 70.39 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.10 | 90.80327 | 32.54 | 0.00 | 8.25 | 14.45 | 0.00 | 2.05 | 0.10 | 69.91 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 7.00 | 90.80327 | 32.54 | 0.00 | 8.23 | 14.39 | 0.00 | 2.04 | 0.10 | 69.44 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.90 | 90.80327 | 32.53 | 0.00 | 8.22 | 14.34 | 0.00 | 2.04 | 0.10 | 68.97 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.80 | 90.80327 | 32.53 | 0.00 | 8.20 | 14.28 | 0.00 | 2.03 | 0.10 | 68.49 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.70 | 90.80327 | 32.53 | 0.00 | 8.17 | 14.23 | 0.00 | 2.03 | 0.10 | 68.02 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.60 | 90.80327 | 32.53 | 0.00 | 8.15 | 14.17 | 0.00 | 2.02 | 0.10 | 67.54 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.50 | 90.80327 | 32.53 | 0.00 | 8.12 | 14.12 | 0.00 | 2.02 | 0.10 | 67.07 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.40 | 90.80327 | 32.53 | 0.00 | 8.10 | 14.07 | 0.00 | 2.01 | 0.10 | 66.59 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.30 | 90.80327 | 32.53 | 0.00 | 8.07 | 14.03 | 0.00 | 2.01 | 0.10 | 66.12 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.20 | 90.80327 | 32.53 | 0.00 | 8.04 | 13.98 | 0.00 | 2.00 | 0.10 | 65.65 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.10 | 90.81248 | 32.53 | 0.00 | 8.00 | 13.94 | 0.00 | 2.00 | 0.10 | 65.17 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 6.00 | 90.81248 | 32.53 | 0.00 | 7.97 | 13.89 | 0.00 | 1.99 | 0.10 | 64.70 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.90 | 90.81248 | 32.53 | 0.00 | 7.93 | 13.85 | 0.00 | 1.99 | 0.10 | 64.22 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.80 | 90.81248 | 32.53 | 0.00 | 7.90 | 13.81 | 0.00 | 1.98 | 0.10 | 63.75 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.70 | 90.81248 | 32.52 | 0.00 | 7.86 | 13.77 | 0.00 | 1.98 | 0.10 | 63.28 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.60 | 90.81248 | 32.52 | 0.00 | 7.82 | 13.73 | 0.00 | 1.97 | 0.10 | 62.80 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.50 | 90.81248 | 32.52 | 0.00 | 7.78 | 13.69 | 0.00 | 1.96 | 0.10 | 62.33 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.40 | 90.81248 | 32.52 | 0.00 | 7.74 | 13.66 | 0.00 | 1.96 | 0.10 | 61.85 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.30 | 90.81248 | 32.52 | 0.00 | 7.69 | 13.62 | 0.00 | 1.95 | 0.10 | 61.38 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.20 | 90.81248 | 32.52 | 0.00 | 7.65 | 13.59 | 0.00 | 1.95 | 0.10 | 60.91 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.10 | 90.81248 | 32.52 | 0.00 | 7.60 | 13.56 | 0.00 | 1.94 | 0.10 | 60.43 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 5.00 | 90.81248 | 32.52 | 0.00 | 7.55 | 13.53 | 0.00 | 1.94 | 0.10 | 59.96 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 4.90 | 90.81248 | 32.52 | 0.00 | 7.50 | 13.50 | 0.00 | 1.93 | 0.10 | 59.48 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 4.80 | 90.81248 | 32.52 | 0.00 | 7.45 | 13.47 | 0.00 | 1.93 | 0.10 | 59.01 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 4.70 | 90.81248 | 32.52 | 0.00 | 7.40 | 13.44 | 0.00 | 1.92 | 0.10 | 58.53 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.60 | 90.81248 | 32.51 | 0.00 | 7.35 | 13.41 | 0.00 | 1.92 | 0.10 | 58.06 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.50 | 90.81248 | 32.51 | 0.00 | 7.30 | 13.38 | 0.00 | 1.91 | 0.10 | 57.59 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.40 | 90.81248 | 32.51 | 0.00 | 7.24 | 13.36 | 0.00 | 1.91 | 0.10 | 57.11 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.30 | 90.81248 | 32.51 | 0.00 | 7.19 | 13.33 | 0.00 | 1.90 | 0.10 | 56.64 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.20 | 90.81248 | 32.51 | 0.00 | 7.13 | 13.31 | 0.00 | 1.90 | 0.10 | 56.16 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.10 | 90.81248 | 32.51 | 0.00 | 7.07 | 13.28 | 0.00 | 1.90 | 0.09 | 55.69 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 4.00 | 90.81248 | 32.51 | 0.00 | 7.01 | 13.26 | 0.00 | 1.89 | 0.09 | 55.22 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.90 | 90.81248 | 32.51 | 0.00 | 6.95 | 13.24 | 0.00 | 1.89 | 0.09 | 54.74 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.80 | 90.81248 | 32.51 | 0.00 | 6.89 | 13.21 | 0.00 | 1.88 | 0.09 | 54.27 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.70 | 90.81248 | 32.51 | 0.00 | 6.83 | 13.19 | 0.00 | 1.88 | 0.09 | 53.79 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.60 | 90.81248 | 32.51 | 0.00 | 6.77 | 13.17 | 0.00 | 1.87 | 0.09 | 53.32 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.50 | 90.81248 | 32.51 | 0.00 | 6.71 | 13.15 | 0.00 | 1.87 | 0.09 | 52.84 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 3.40 | 90.81248 | 32.50 | 0.00 | 6.64 | 13.13 | 0.00 | 1.86 | 0.09 | 52.37 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 3.30 | 90.81248 | 32.50 | 0.00 | 6.58 | 13.12 | 0.00 | 1.86 | 0.09 | 51.90 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 3.20 | 90.81248 | 32.50 | 0.00 | 6.51 | 13.10 | 0.00 | 1.85 | 0.09 | 51.42 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 3.10 | 90.81248 | 32.50 | 0.00 | 6.44 | 13.08 | 0.00 | 1.85 | 0.09 | 50.95 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 3.00 | 90.81248 | 32.50 | 0.00 | 6.38 | 13.06 | 0.00 | 1.84 | 0.09 | 50.47 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 2.90 | 90.81248 | 32.50 | 0.00 | 6.31 | 13.05 | 0.00 | 1.84 | 0.09 | 50.00 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 2.80 | 90.81248 | 32.50 | 0.00 | 6.27 | 13.03 | 0.00 | 1.84 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.70 | 90.81248 | 32.50 | 0.00 | 6.23 | 13.02 | 0.00 | 1.84 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.60 | 90.81248 | 32.50 | 0.00 | 6.19 | 13.00 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.50 | 90.81248 | 32.50 | 0.00 | 6.15 | 12.98 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.40 | 90.81248 | 32.50 | 0.00 | 6.12 | 12.97 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.30 | 90.81248 | 32.50 | 0.00 | 6.08 | 12.95 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.20 | 90.81248 | 32.50 | 0.00 | 6.04 | 12.94 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 2.10 | 90.81248 | 32.50 | 0.00 | 6.00 | 12.92 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 2.00 | 90.81248 | 32.50 | 0.00 | 5.97 | 12.91 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.90 | 90.81248 | 32.50 | 0.00 | 5.93 | 12.89 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.80 | 90.81248 | 32.50 | 0.00 | 5.90 | 12.88 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.70 | 90.81248 | 32.50 | 0.00 | 5.86 | 12.86 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.60 | 90.81248 | 32.50 | 0.00 | 5.83 | 12.85 | 0.00 | 1.83 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.50 | 90.81248 | 32.50 | 0.00 | 5.80 | 12.83 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.40 | 90.81248 | 32.50 | 0.00 | 5.76 | 12.82 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.30 | 90.81248 | 32.50 | 0.00 | 5.73 | 12.80 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.20 | 90.81248 | 32.50 | 0.00 | 5.70 | 12.79 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.10 | 90.81248 | 32.50 | 0.00 | 5.66 | 12.78 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 1.00 | 90.81248 | 32.50 | 0.00 | 5.63 | 12.76 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.90 | 90.81248 | 32.50 | 0.00 | 5.60 | 12.75 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.80 | 90.81248 | 32.50 | 0.00 | 5.57 | 12.73 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.70 | 90.81248 | 32.50 | 0.00 | 5.54 | 12.72 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.60 | 90.81256 | 32.50 | 0.00 | 5.51 | 12.71 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.50 | 90.81256 | 32.50 | 0.00 | 5.48 | 12.69 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 0.40 | 90.81256 | 32.50 | 0.00 | 5.45 | 12.68 | 0.00 | 1.82 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 0.30 | 90.81256 | 32.50 | 0.00 | 5.42 | 12.67 | 0.00 | 1.81 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 0.20 | 90.81256 | 32.50 | 0.00 | 5.39 | 12.65 | 0.00 | 1.81 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 0.10 | 90.81256 | 32.50 | 0.00 | 5.36 | 12.64 | 0.00 | 1.81 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 0.00 | 90.81256 | 32.50 | 0.00 | 5.33 | 12.24 | 0.00 | 1.75 | 0.09 | 50.00 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |

CONDENSED CAPSULE SUMMARY FOR Fourmile Bayou Oxbow

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 NH3 | CHLA | RATE | DECA | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 8.80000 | 33.90 | 0.00 | 6.80 | 10.97 | 0.00 | 1.70 | 0.10 | 95.00 | | | | | | | |
| 4.10 | 8.80000 | 33.88 | 0.00 | 6.84 | 10.98 | 0.00 | 1.71 | 0.10 | 93.45 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.19 |
| 4.00 | 8.80000 | 33.85 | 0.00 | 6.88 | 10.99 | 0.00 | 1.72 | 0.10 | 91.90 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.18 |
| 3.90 | 8.80000 | 33.83 | 0.00 | 6.91 | 11.00 | 0.00 | 1.73 | 0.10 | 90.36 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.17 |
| 3.80 | 8.80000 | 33.80 | 0.00 | 6.94 | 11.01 | 0.00 | 1.74 | 0.10 | 88.81 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.16 |
| 3.70 | 8.80000 | 33.78 | 0.00 | 6.96 | 11.02 | 0.00 | 1.75 | 0.10 | 87.26 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.15 |
| 3.60 | 8.80000 | 33.76 | 0.00 | 6.98 | 11.03 | 0.00 | 1.76 | 0.10 | 85.71 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.58 | 7.13 |
| 3.50 | 8.80000 | 33.73 | 0.00 | 6.99 | 11.04 | 0.00 | 1.77 | 0.10 | 84.17 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.12 |
| 3.40 | 8.80000 | 33.71 | 0.00 | 7.00 | 11.05 | 0.00 | 1.78 | 0.10 | 82.62 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.11 |
| 3.30 | 8.80000 | 33.69 | 0.00 | 7.01 | 11.06 | 0.00 | 1.79 | 0.10 | 81.07 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.10 |
| 3.20 | 8.80000 | 33.66 | 0.00 | 7.01 | 11.07 | 0.00 | 1.79 | 0.10 | 79.52 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.09 |
| 3.10 | 8.80000 | 33.64 | 0.00 | 7.01 | 11.08 | 0.00 | 1.80 | 0.10 | 77.98 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.08 |
| 3.00 | 8.80000 | 33.61 | 0.00 | 7.00 | 11.09 | 0.00 | 1.81 | 0.10 | 76.43 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.07 |
| 2.90 | 8.80000 | 33.59 | 0.00 | 6.99 | 11.10 | 0.00 | 1.82 | 0.10 | 74.88 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.06 |
| 2.80 | 8.80000 | 33.57 | 0.00 | 6.97 | 11.11 | 0.00 | 1.83 | 0.10 | 73.33 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.05 |
| 2.70 | 8.80000 | 33.54 | 0.00 | 6.95 | 11.12 | 0.00 | 1.84 | 0.10 | 71.79 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.04 |
| 2.60 | 8.80000 | 33.52 | 0.00 | 6.93 | 11.13 | 0.00 | 1.85 | 0.10 | 70.24 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.03 |
| 2.50 | 8.80000 | 33.50 | 0.00 | 6.90 | 11.14 | 0.00 | 1.86 | 0.10 | 68.69 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.02 |
| 2.40 | 8.80000 | 33.47 | 0.00 | 6.87 | 11.15 | 0.00 | 1.87 | 0.10 | 67.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.01 |
| 2.30 | 8.80000 | 33.45 | 0.00 | 6.84 | 11.16 | 0.00 | 1.88 | 0.10 | 65.60 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.00 |
| 2.20 | 8.80000 | 33.42 | 0.00 | 6.80 | 11.17 | 0.00 | 1.89 | 0.09 | 64.05 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 6.99 |
| 2.10 | 8.80000 | 33.40 | 0.00 | 6.76 | 11.18 | 0.00 | 1.90 | 0.09 | 62.50 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 6.98 |
| 2.00 | 8.80000 | 33.38 | 0.00 | 6.71 | 11.19 | 0.00 | 1.91 | 0.09 | 60.95 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.97 |
| 1.90 | 8.80000 | 33.35 | 0.00 | 6.67 | 11.20 | 0.00 | 1.92 | 0.09 | 59.40 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.96 |
| 1.80 | 8.80000 | 33.33 | 0.00 | 6.61 | 11.21 | 0.00 | 1.93 | 0.09 | 57.86 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.94 |
| 1.70 | 8.80000 | 33.30 | 0.00 | 6.56 | 11.22 | 0.00 | 1.94 | 0.09 | 56.31 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.93 |
| 1.60 | 8.80000 | 33.28 | 0.00 | 6.50 | 11.23 | 0.00 | 1.94 | 0.09 | 54.76 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.92 |
| 1.50 | 8.80000 | 33.26 | 0.00 | 6.44 | 11.25 | 0.00 | 1.95 | 0.09 | 53.21 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.91 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.40 | 8.80000 | 33.23 | 0.00 | 6.37 | 11.26 | 0.00 | 1.96 | 0.09 | 51.67 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.90 |
| 1.30 | 8.80000 | 33.21 | 0.00 | 6.30 | 11.27 | 0.00 | 1.97 | 0.09 | 50.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.89 |
| 1.20 | 8.80000 | 33.19 | 0.00 | 6.23 | 11.28 | 0.00 | 1.98 | 0.09 | 48.57 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.88 |
| 1.10 | 8.80000 | 33.16 | 0.00 | 6.15 | 11.29 | 0.00 | 1.99 | 0.09 | 47.02 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.87 |
| 1.00 | 8.80000 | 33.14 | 0.00 | 6.07 | 11.30 | 0.00 | 2.00 | 0.09 | 45.48 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.86 |
| 0.90 | 8.80000 | 33.11 | 0.00 | 5.99 | 11.31 | 0.00 | 2.01 | 0.09 | 43.93 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.85 |
| 0.80 | 8.80000 | 33.09 | 0.00 | 5.91 | 11.32 | 0.00 | 2.02 | 0.09 | 42.38 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.84 |
| 0.70 | 8.80000 | 33.07 | 0.00 | 5.82 | 11.33 | 0.00 | 2.03 | 0.09 | 40.83 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.83 |
| 0.60 | 8.80000 | 33.04 | 0.00 | 5.73 | 11.34 | 0.00 | 2.04 | 0.09 | 39.29 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.82 |
| 0.50 | 8.80000 | 33.02 | 0.00 | 5.63 | 11.35 | 0.00 | 2.05 | 0.09 | 37.74 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.81 |
| 0.40 | 8.80000 | 33.00 | 0.00 | 5.53 | 11.36 | 0.00 | 2.06 | 0.09 | 36.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.80 |
| 0.30 | 8.80000 | 32.97 | 0.00 | 5.43 | 11.37 | 0.00 | 2.07 | 0.09 | 34.64 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.79 |
| 0.20 | 8.80000 | 32.95 | 0.00 | 5.33 | 11.38 | 0.00 | 2.07 | 0.09 | 33.10 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.78 |
| 0.10 | 8.80000 | 32.92 | 0.00 | 5.23 | 11.40 | 0.00 | 2.08 | 0.10 | 31.55 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.77 |
| 0.00 | 8.80000 | 32.90 | 0.00 | 5.14 | 11.67 | 0.00 | 2.09 | 0.10 | 30.00 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.76 |

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

| 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 |
| | HDWTR | | 60.700 | 33.1 | 0.0 | 6.7 | 21.1 | 0.0 | 1.6 | 0.1 | 100.0 | | | | | | | | | | | | | |
| 1 GL | 1 | 28.20 | 60.700 | 33.1 | 0.0 | 6.7 | 21.2 | 0.0 | 1.6 | 0.1 | 99.9 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.942 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 2 GL | 1 | 28.10 | 60.700 | 33.1 | 0.0 | 6.7 | 21.2 | 0.0 | 1.6 | 0.1 | 99.7 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.942 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 3 GL | 1 | 28.00 | 60.700 | 33.2 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 99.6 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.943 | 0.33 | 0.00 | 0.00 | 0.00 | 0.55 | 1.60 |
| 4 GL | 1 | 27.90 | 60.700 | 33.2 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 99.4 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.943 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 5 GL | 1 | 27.80 | 60.700 | 33.2 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 99.3 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.943 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 6 GL | 1 | 27.70 | 60.700 | 33.2 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 99.1 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.944 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 7 GL | 1 | 27.60 | 60.700 | 33.3 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 99.0 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.2 | 0.944 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.61 |
| 8 GL | 1 | 27.50 | 60.700 | 33.3 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 98.9 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.944 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 9 GL | 1 | 27.40 | 60.700 | 33.3 | 0.0 | 6.8 | 21.2 | 0.0 | 1.6 | 0.1 | 98.7 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.945 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 10 GL | 1 | 27.30 | 60.700 | 33.3 | 0.0 | 6.9 | 21.2 | 0.0 | 1.6 | 0.1 | 98.6 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.945 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 11 GL | 1 | 27.20 | 60.700 | 33.4 | 0.0 | 6.9 | 21.2 | 0.0 | 1.6 | 0.1 | 98.4 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.945 | 0.33 | 0.00 | 0.00 | 0.00 | 0.56 | 1.62 |
| 12 GL | 1 | 27.10 | 60.700 | 33.4 | 0.0 | 6.9 | 21.2 | 0.0 | 1.6 | 0.1 | 98.3 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.946 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 13 GL | 1 | 27.00 | 60.700 | 33.4 | 0.0 | 6.9 | 21.2 | 0.0 | 1.6 | 0.1 | 98.1 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.946 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 14 GL | 1 | 26.90 | 60.700 | 33.4 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 98.0 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.947 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 15 GL | 1 | 26.80 | 60.700 | 33.4 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.9 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.947 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 16 GL | 1 | 26.70 | 60.700 | 33.5 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.7 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.947 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.63 |
| 17 GL | 1 | 26.60 | 60.700 | 33.5 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.6 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.948 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |
| 18 GL | 1 | 26.50 | 60.700 | 33.5 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.4 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.948 | 0.33 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |
| 19 GL | 1 | 26.40 | 60.700 | 33.5 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.3 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.948 | 0.34 | 0.00 | 0.00 | 0.00 | 0.57 | 1.64 |
| 20 GL | 1 | 26.30 | 60.700 | 33.6 | 0.0 | 6.9 | 21.2 | 0.0 | 1.7 | 0.1 | 97.1 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.949 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.64 |
| 21 GL | 1 | 26.20 | 60.700 | 33.6 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 97.0 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.949 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 22 GL | 1 | 26.10 | 60.700 | 33.6 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.9 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.949 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 23 GL | 1 | 26.00 | 60.700 | 33.6 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.7 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.950 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 24 GL | 1 | 25.90 | 60.700 | 33.6 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.6 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.950 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.65 |
| 25 GL | 1 | 25.80 | 60.700 | 33.7 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.4 | 0.0 | 1.01 | 1343.0 | 0.045 | 0.045 | 7.1 | 0.950 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| DIVERSION # 026 (Outflow to FB Oxbow) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 GL | 1 | 25.70 | 51.900 | 33.7 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.3 | 0.0 | 1.01 | 1343.0 | 0.038 | 0.038 | 7.1 | 0.951 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | GL | 1 | 25.60 | 51.900 | 33.7 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.1 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.951 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 28 | GL | 1 | 25.50 | 51.900 | 33.7 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 96.0 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.952 | 0.34 | 0.00 | 0.00 | 0.00 | 0.58 | 1.66 |
| 29 | GL | 1 | 25.40 | 51.900 | 33.8 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.9 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.952 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 30 | GL | 1 | 25.30 | 51.900 | 33.8 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.7 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.952 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 31 | GL | 1 | 25.20 | 51.900 | 33.8 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.6 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.953 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 32 | GL | 1 | 25.10 | 51.900 | 33.8 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.4 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.953 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 33 | GL | 1 | 25.00 | 51.900 | 33.9 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.3 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.953 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.67 |
| 34 | GL | 1 | 24.90 | 51.900 | 33.9 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.1 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.954 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.68 |
| 35 | GL | 1 | 24.80 | 51.900 | 33.9 | 0.0 | 7.0 | 21.2 | 0.0 | 1.7 | 0.1 | 95.0 | 0.0 | 1.011 | 343.0 | 0.038 | 0.038 | 7.1 | 0.954 | 0.34 | 0.00 | 0.00 | 0.00 | 0.59 | 1.68 |
| 36 | FB | 2 | 24.70 | 51.900 | 33.9 | 0.0 | 7.0 | 21.3 | 0.0 | 1.7 | 0.1 | 91.8 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.172 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.18 |
| 37 | FB | 2 | 24.60 | 51.900 | 33.8 | 0.0 | 6.9 | 21.3 | 0.0 | 1.8 | 0.1 | 88.5 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.15 |
| 38 | FB | 2 | 24.50 | 51.900 | 33.8 | 0.0 | 6.9 | 21.3 | 0.0 | 1.8 | 0.1 | 85.2 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.13 |
| 39 | FB | 2 | 24.40 | 51.900 | 33.7 | 0.0 | 6.9 | 21.3 | 0.0 | 1.8 | 0.1 | 82.0 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.11 |
| 40 | FB | 2 | 24.30 | 51.900 | 33.7 | 0.0 | 6.9 | 21.3 | 0.0 | 1.8 | 0.1 | 78.8 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.09 |
| 41 | FB | 2 | 24.20 | 51.900 | 33.6 | 0.0 | 6.8 | 21.3 | 0.0 | 1.8 | 0.1 | 75.5 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.06 |
| 42 | FB | 2 | 24.10 | 51.900 | 33.6 | 0.0 | 6.8 | 21.3 | 0.0 | 1.8 | 0.1 | 72.2 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.04 |
| 43 | FB | 2 | 24.00 | 51.900 | 33.5 | 0.0 | 6.7 | 21.4 | 0.0 | 1.8 | 0.1 | 69.0 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.171 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.02 |
| 44 | FB | 2 | 23.90 | 51.900 | 33.5 | 0.0 | 6.7 | 21.4 | 0.0 | 1.8 | 0.1 | 65.8 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.00 |
| 45 | FB | 2 | 23.80 | 51.900 | 33.4 | 0.0 | 6.6 | 21.4 | 0.0 | 1.8 | 0.1 | 62.5 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.98 |
| 46 | FB | 2 | 23.70 | 51.900 | 33.4 | 0.0 | 6.6 | 21.4 | 0.0 | 1.8 | 0.1 | 59.2 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.95 |
| 47 | FB | 2 | 23.60 | 51.900 | 33.3 | 0.0 | 6.5 | 21.4 | 0.0 | 1.8 | 0.1 | 56.0 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.1 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.93 |
| 48 | FB | 2 | 23.50 | 51.900 | 33.2 | 0.0 | 6.5 | 21.4 | 0.0 | 1.8 | 0.1 | 52.8 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.91 |
| 49 | FB | 2 | 23.40 | 51.900 | 33.2 | 0.0 | 6.4 | 21.5 | 0.0 | 1.8 | 0.1 | 49.5 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.170 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.89 |
| 50 | FB | 2 | 23.30 | 51.900 | 33.2 | 0.0 | 6.3 | 21.5 | 0.0 | 1.8 | 0.1 | 46.2 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.170 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.87 |
| 51 | FB | 2 | 23.20 | 51.900 | 33.1 | 0.0 | 6.3 | 21.5 | 0.0 | 1.9 | 0.1 | 43.0 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.169 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.85 |
| 52 | FB | 2 | 23.10 | 51.900 | 33.1 | 0.0 | 6.2 | 21.5 | 0.0 | 1.9 | 0.1 | 39.8 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.169 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.82 |
| 53 | FB | 2 | 23.00 | 51.900 | 33.0 | 0.0 | 6.1 | 21.5 | 0.0 | 1.9 | 0.1 | 36.5 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.169 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.80 |
| 54 | FB | 2 | 22.90 | 51.900 | 33.0 | 0.0 | 6.0 | 21.6 | 0.0 | 1.9 | 0.1 | 33.2 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.169 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.78 |
| 55 | FB | 2 | 22.80 | 51.900 | 32.9 | 0.0 | 5.9 | 21.5 | 0.0 | 1.9 | 0.1 | 30.0 | 0.3 | 5.24 | 107.0 | 0.093 | 0.093 | 7.2 | 0.169 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| TRIBUTARY # 056 (Fourmile Bayou Oxbow) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | F2 | 4 | 22.70 | 60.700 | 32.9 | 0.0 | 5.8 | 20.1 | 0.0 | 1.9 | 0.1 | 32.1 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 99 | F2 | 4 | 22.60 | 60.700 | 32.9 | 0.0 | 5.7 | 20.1 | 0.0 | 1.9 | 0.1 | 34.1 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 100 | F2 | 4 | 22.50 | 60.700 | 32.9 | 0.0 | 5.7 | 20.1 | 0.0 | 1.9 | 0.1 | 36.2 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.76 |
| 101 | F2 | 4 | 22.40 | 60.700 | 32.9 | 0.0 | 5.7 | 20.1 | 0.0 | 1.9 | 0.1 | 38.2 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 102 | F2 | 4 | 22.30 | 60.700 | 32.9 | 0.0 | 5.6 | 20.1 | 0.0 | 2.0 | 0.1 | 40.3 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 103 | F2 | 4 | 22.20 | 60.700 | 32.9 | 0.0 | 5.6 | 20.2 | 0.0 | 2.0 | 0.1 | 42.4 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 104 | F2 | 4 | 22.10 | 60.700 | 32.9 | 0.0 | 5.5 | 20.2 | 0.0 | 2.0 | 0.1 | 44.4 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 105 | F2 | 4 | 22.00 | 60.700 | 32.9 | 0.0 | 5.5 | 20.2 | 0.0 | 2.0 | 0.1 | 46.5 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 106 | F2 | 4 | 21.90 | 60.700 | 32.9 | 0.0 | 5.5 | 20.2 | 0.0 | 2.0 | 0.1 | 48.5 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 107 | F2 | 4 | 21.80 | 60.700 | 32.9 | 0.0 | 5.4 | 20.2 | 0.0 | 2.0 | 0.1 | 50.6 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 108 | F2 | 4 | 21.70 | 60.700 | 32.9 | 0.0 | 5.4 | 20.2 | 0.0 | 2.0 | 0.1 | 52.6 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.75 |
| 109 | F2 | 4 | 21.60 | 60.700 | 32.9 | 0.0 | 5.4 | 20.2 | 0.0 | 2.0 | 0.1 | 54.7 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 110 | F2 | 4 | 21.50 | 60.700 | 32.9 | 0.0 | 5.4 | 20.2 | 0.0 | 2.0 | 0.1 | 56.8 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 111 | F2 | 4 | 21.40 | 60.700 | 32.9 | 0.0 | 5.3 | 20.2 | 0.0 | 2.0 | 0.1 | 58.8 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 112 | F2 | 4 | 21.30 | 60.700 | 32.9 | 0.0 | 5.3 | 20.2 | 0.0 | 2.0 | 0.1 | 60.9 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |
| 113 | F2 | 4 | 21.20 | 60.700 | 32.9 | 0.0 | 5.3 | 20.3 | 0.0 | 2.0 | 0.1 | 62.9 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 |

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3 µg/L | ADVEC m²/s | MEAN DEPTH m | CHLA m | DO m/s | REAER m/s | BOD1 mg/L | BOD1 1/da | BOD2 1/da | BOD2 1/da | NH3 1/da | SAT 1/da | RATE 1/da | DECA g/m²/d | SETT | DECA | SETT | DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | F2 4 | 21.10 | 60.700 | 32.8 | 0.0 | 5.3 | 20.3 | 0.0 | 2.0 | 0.1 | 65.0 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.74 | | | | |
| 115 | F2 4 | 21.00 | 60.700 | 32.8 | 0.0 | 5.2 | 20.3 | 0.0 | 2.0 | 0.1 | 67.1 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.74 | | | | |
| 116 | F2 4 | 20.90 | 60.700 | 32.8 | 0.0 | 5.2 | 20.3 | 0.0 | 2.1 | 0.1 | 69.1 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.74 | | | | |
| 117 | F2 4 | 20.80 | 60.700 | 32.8 | 0.0 | 5.2 | 20.3 | 0.0 | 2.1 | 0.1 | 71.2 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 118 | F2 4 | 20.70 | 60.700 | 32.8 | 0.0 | 5.2 | 20.3 | 0.0 | 2.1 | 0.1 | 73.2 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 119 | F2 4 | 20.60 | 60.700 | 32.8 | 0.0 | 5.2 | 20.3 | 0.0 | 2.1 | 0.1 | 75.3 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 120 | F2 4 | 20.50 | 60.700 | 32.8 | 0.0 | 5.1 | 20.3 | 0.0 | 2.1 | 0.1 | 77.4 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 121 | F2 4 | 20.40 | 60.700 | 32.8 | 0.0 | 5.1 | 20.3 | 0.0 | 2.1 | 0.1 | 79.4 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 122 | F2 4 | 20.30 | 60.700 | 32.8 | 0.0 | 5.1 | 20.3 | 0.0 | 2.1 | 0.1 | 81.5 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 123 | F2 4 | 20.20 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 83.5 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 124 | F2 4 | 20.10 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 85.6 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.73 | | | | |
| 125 | F2 4 | 20.00 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 87.6 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 126 | F2 4 | 19.90 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 89.7 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 127 | F2 4 | 19.80 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 91.8 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 128 | F2 4 | 19.70 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 93.8 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 129 | F2 4 | 19.60 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.1 | 0.1 | 95.9 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 130 | F2 4 | 19.50 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.2 | 0.1 | 97.9 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| 131 | F2 4 | 19.40 | 60.700 | 32.8 | 0.0 | 5.1 | 20.4 | 0.0 | 2.2 | 0.1 | 100.0 | 0.5 | 4.39 | 87.0 | 0.159 | 0.159 | 7.2 | 0.215 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.72 | | | | |
| WASTELOAD # 132 (Bayou Magazille) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | V3 5 | 19.30 | 90.800 | 32.8 | 0.0 | 6.0 | 19.0 | 0.0 | 2.2 | 0.1 | 100.1 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 | | | | |
| 133 | V3 5 | 19.20 | 90.800 | 32.8 | 0.0 | 6.0 | 19.3 | 0.0 | 2.3 | 0.1 | 100.2 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 | | | | |
| 134 | V3 5 | 19.10 | 90.800 | 32.8 | 0.0 | 6.1 | 19.7 | 0.0 | 2.3 | 0.1 | 100.3 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 | | | | |
| 135 | V3 5 | 19.00 | 90.800 | 32.8 | 0.0 | 6.1 | 20.0 | 0.0 | 2.3 | 0.1 | 100.4 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.36 | | | | |
| 136 | V3 5 | 18.90 | 90.800 | 32.8 | 0.0 | 6.1 | 20.3 | 0.0 | 2.3 | 0.1 | 100.5 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 137 | V3 5 | 18.80 | 90.800 | 32.8 | 0.0 | 6.2 | 20.6 | 0.0 | 2.3 | 0.1 | 100.6 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 138 | V3 5 | 18.70 | 90.800 | 32.8 | 0.0 | 6.2 | 21.0 | 0.0 | 2.3 | 0.1 | 100.7 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 139 | V3 5 | 18.60 | 90.800 | 32.8 | 0.0 | 6.2 | 21.3 | 0.0 | 2.3 | 0.1 | 100.8 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| WASTELOAD # 140 (NPDES Group1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | V3 5 | 18.50 | 90.802 | 32.8 | 0.0 | 6.3 | 21.6 | 0.0 | 2.3 | 0.1 | 100.9 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 141 | V3 5 | 18.40 | 90.802 | 32.8 | 0.0 | 6.3 | 21.9 | 0.0 | 2.3 | 0.1 | 101.0 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 142 | V3 5 | 18.30 | 90.802 | 32.8 | 0.0 | 6.3 | 22.2 | 0.0 | 2.3 | 0.1 | 101.1 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 143 | V3 5 | 18.20 | 90.802 | 32.8 | 0.0 | 6.3 | 22.5 | 0.0 | 2.3 | 0.1 | 101.2 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.706 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 144 | V3 5 | 18.10 | 90.802 | 32.7 | 0.0 | 6.3 | 22.8 | 0.0 | 2.3 | 0.1 | 101.3 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 145 | V3 5 | 18.00 | 90.802 | 32.7 | 0.0 | 6.4 | 23.1 | 0.0 | 2.3 | 0.1 | 101.4 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 146 | V3 5 | 17.90 | 90.802 | 32.7 | 0.0 | 6.4 | 23.4 | 0.0 | 2.3 | 0.1 | 101.5 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.35 | | | | |
| 147 | V3 5 | 17.80 | 90.802 | 32.7 | 0.0 | 6.4 | 23.7 | 0.0 | 2.3 | 0.1 | 101.6 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 148 | V3 5 | 17.70 | 90.802 | 32.7 | 0.0 | 6.4 | 24.0 | 0.0 | 2.3 | 0.1 | 101.7 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| WASTELOAD # 149 (LAG540112) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | V3 5 | 17.60 | 90.802 | 32.7 | 0.0 | 6.4 | 24.3 | 0.0 | 2.3 | 0.1 | 101.8 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 150 | V3 5 | 17.50 | 90.802 | 32.7 | 0.0 | 6.4 | 24.6 | 0.0 | 2.3 | 0.1 | 101.9 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 151 | V3 5 | 17.40 | 90.802 | 32.7 | 0.0 | 6.4 | 24.9 | 0.0 | 2.3 | 0.1 | 102.0 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 152 | V3 5 | 17.30 | 90.802 | 32.7 | 0.0 | 6.4 | 25.2 | 0.0 | 2.3 | 0.1 | 102.1 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 153 | V3 5 | 17.20 | 90.802 | 32.7 | 0.0 | 6.4 | 25.4 | 0.0 | 2.4 | 0.1 | 102.2 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |
| 154 | V3 5 | 17.10 | 90.802 | 32.7 | 0.0 | 6.3 | 25.7 | 0.0 | 2.4 | 0.1 | 102.3 | 0.0 | 1.34 | 1892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 155 | V3 | 5 | 17.00 | 90.802 | 32.7 | 0.0 | 6.3 | 26.0 | 0.0 | 2.4 | 0.1102.4 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 156 | V3 | 5 | 16.90 | 90.802 | 32.7 | 0.0 | 6.3 | 26.3 | 0.0 | 2.4 | 0.1102.6 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 157 | V3 | 5 | 16.80 | 90.802 | 32.7 | 0.0 | 6.3 | 26.5 | 0.0 | 2.4 | 0.1102.7 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 158 | V3 | 5 | 16.70 | 90.802 | 32.7 | 0.0 | 6.3 | 26.8 | 0.0 | 2.4 | 0.1102.8 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.34 |
| 159 | V3 | 5 | 16.60 | 90.802 | 32.7 | 0.0 | 6.3 | 27.1 | 0.0 | 2.4 | 0.1102.9 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 160 | V3 | 5 | 16.50 | 90.802 | 32.7 | 0.0 | 6.2 | 27.3 | 0.0 | 2.4 | 0.1103.0 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 161 | V3 | 5 | 16.40 | 90.802 | 32.7 | 0.0 | 6.2 | 27.6 | 0.0 | 2.4 | 0.1103.1 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 162 | V3 | 5 | 16.30 | 90.802 | 32.7 | 0.0 | 6.2 | 27.8 | 0.0 | 2.4 | 0.1103.2 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.33 |
| 163 | V3 | 5 | 16.20 | 90.802 | 32.7 | 0.0 | 6.2 | 28.1 | 0.0 | 2.4 | 0.1103.3 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.705 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 164 | V3 | 5 | 16.10 | 90.802 | 32.7 | 0.0 | 6.1 | 28.3 | 0.0 | 2.4 | 0.1103.4 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 165 | V3 | 5 | 16.00 | 90.802 | 32.7 | 0.0 | 6.1 | 28.6 | 0.0 | 2.4 | 0.1103.5 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 166 | V3 | 5 | 15.90 | 90.802 | 32.7 | 0.0 | 6.1 | 28.8 | 0.0 | 2.4 | 0.1103.6 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 167 | V3 | 5 | 15.80 | 90.802 | 32.7 | 0.0 | 6.1 | 29.1 | 0.0 | 2.4 | 0.1103.7 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 168 | V3 | 5 | 15.70 | 90.802 | 32.6 | 0.0 | 6.0 | 29.3 | 0.0 | 2.4 | 0.1103.8 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 169 | V3 | 5 | 15.60 | 90.802 | 32.6 | 0.0 | 6.0 | 29.6 | 0.0 | 2.4 | 0.1103.9 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 170 | V3 | 5 | 15.50 | 90.802 | 32.6 | 0.0 | 6.0 | 29.8 | 0.0 | 2.4 | 0.1104.0 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.33 |
| 171 | V3 | 5 | 15.40 | 90.802 | 32.6 | 0.0 | 5.9 | 30.1 | 0.0 | 2.4 | 0.1104.1 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 172 | V3 | 5 | 15.30 | 90.802 | 32.6 | 0.0 | 5.9 | 30.3 | 0.0 | 2.4 | 0.1104.2 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 173 | V3 | 5 | 15.20 | 90.802 | 32.6 | 0.0 | 5.8 | 30.5 | 0.0 | 2.5 | 0.1104.3 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 174 | V3 | 5 | 15.10 | 90.802 | 32.6 | 0.0 | 5.8 | 30.8 | 0.0 | 2.5 | 0.1104.4 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 175 | V3 | 5 | 15.00 | 90.802 | 32.6 | 0.0 | 5.8 | 31.0 | 0.0 | 2.5 | 0.1104.5 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.32 |
| 176 | V3 | 5 | 14.90 | 90.802 | 32.6 | 0.0 | 5.7 | 31.2 | 0.0 | 2.5 | 0.1104.6 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 177 | V3 | 5 | 14.80 | 90.802 | 32.6 | 0.0 | 5.7 | 31.4 | 0.0 | 2.5 | 0.1104.7 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 178 | V3 | 5 | 14.70 | 90.802 | 32.6 | 0.0 | 5.6 | 31.7 | 0.0 | 2.5 | 0.1104.8 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 179 | V3 | 5 | 14.60 | 90.802 | 32.6 | 0.0 | 5.6 | 31.9 | 0.0 | 2.5 | 0.1104.9 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 180 | V3 | 5 | 14.50 | 90.802 | 32.6 | 0.0 | 5.6 | 32.1 | 0.0 | 2.5 | 0.1105.0 | 0.0 | 1.341892.0 | 0.036 | 0.036 | 7.2 | 0.704 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 181 | V2 | 6 | 14.40 | 90.802 | 32.6 | 0.0 | 5.5 | 31.5 | 0.0 | 2.5 | 0.1104.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 182 | V2 | 6 | 14.30 | 90.802 | 32.6 | 0.0 | 5.4 | 30.9 | 0.0 | 2.5 | 0.1104.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 183 | V2 | 6 | 14.20 | 90.802 | 32.6 | 0.0 | 5.4 | 30.3 | 0.0 | 2.5 | 0.1103.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |
| 184 | V2 | 6 | 14.10 | 90.802 | 32.6 | 0.0 | 5.4 | 29.8 | 0.0 | 2.5 | 0.1103.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 |

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

| 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 | 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 |
| 185 | V2 | 6 | 14.00 | 90.802 | 32.6 | 0.0 | 5.3 | 29.3 | 0.0 | 2.5 | 0.1102.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 | |
| 186 | V2 | 6 | 13.90 | 90.802 | 32.6 | 0.0 | 5.3 | 28.7 | 0.0 | 2.4 | 0.1102.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 | |
| 187 | V2 | 6 | 13.80 | 90.802 | 32.6 | 0.0 | 5.3 | 28.2 | 0.0 | 2.4 | 0.1101.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 | |
| 188 | V2 | 6 | 13.70 | 90.802 | 32.6 | 0.0 | 5.4 | 27.8 | 0.0 | 2.4 | 0.1101.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 | |
| 189 | V2 | 6 | 13.60 | 90.802 | 32.6 | 0.0 | 5.4 | 27.3 | 0.0 | 2.4 | 0.1100.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.32 | |
| 190 | V2 | 6 | 13.50 | 90.802 | 32.6 | 0.0 | 5.4 | 26.8 | 0.0 | 2.4 | 0.1100.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 191 | V2 | 6 | 13.40 | 90.802 | 32.6 | 0.0 | 5.4 | 26.4 | 0.0 | 2.4 | 0.1 99.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 192 | V2 | 6 | 13.30 | 90.802 | 32.6 | 0.0 | 5.5 | 26.0 | 0.0 | 2.4 | 0.1 99.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 193 | V2 | 6 | 13.20 | 90.802 | 32.6 | 0.0 | 5.5 | 25.5 | 0.0 | 2.4 | 0.1 98.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 194 | V2 | 6 | 13.10 | 90.802 | 32.6 | 0.0 | 5.6 | 25.1 | 0.0 | 2.4 | 0.1 98.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 195 | V2 | 6 | 13.00 | 90.802 | 32.6 | 0.0 | 5.7 | 24.8 | 0.0 | 2.4 | 0.1 97.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 196 | V2 | 6 | 12.90 | 90.802 | 32.6 | 0.0 | 5.7 | 24.4 | 0.0 | 2.4 | 0.1 97.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |
| 197 | V2 | 6 | 12.80 | 90.802 | 32.6 | 0.0 | 5.8 | 24.0 | 0.0 | 2.4 | 0.1 96.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.51 | 3.31 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 198 | V2 | 6 | 12.70 | 90.802 | 32.6 | 0.0 | 5.9 | 23.7 | 0.0 | 2.4 | 0.1 | 96.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 199 | V2 | 6 | 12.60 | 90.802 | 32.6 | 0.0 | 5.9 | 23.3 | 0.0 | 2.4 | 0.1 | 96.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 200 | V2 | 6 | 12.50 | 90.802 | 32.6 | 0.0 | 6.0 | 23.0 | 0.0 | 2.4 | 0.1 | 95.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 201 | V2 | 6 | 12.40 | 90.802 | 32.6 | 0.0 | 6.1 | 22.7 | 0.0 | 2.4 | 0.1 | 95.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 202 | V2 | 6 | 12.30 | 90.802 | 32.6 | 0.0 | 6.2 | 22.4 | 0.0 | 2.3 | 0.1 | 94.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 203 | V2 | 6 | 12.20 | 90.802 | 32.6 | 0.0 | 6.2 | 22.1 | 0.0 | 2.3 | 0.1 | 94.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 204 | V2 | 6 | 12.10 | 90.802 | 32.6 | 0.0 | 6.3 | 21.8 | 0.0 | 2.3 | 0.1 | 93.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 205 | V2 | 6 | 12.00 | 90.802 | 32.6 | 0.0 | 6.4 | 21.5 | 0.0 | 2.3 | 0.1 | 93.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.52 | 3.31 |
| 206 | V2 | 6 | 11.90 | 90.802 | 32.6 | 0.0 | 6.5 | 21.2 | 0.0 | 2.3 | 0.1 | 92.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 207 | V2 | 6 | 11.80 | 90.802 | 32.6 | 0.0 | 6.6 | 20.9 | 0.0 | 2.3 | 0.1 | 92.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| WASTELOAD # 208 (LAG560026) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 208 | V2 | 6 | 11.70 | 90.803 | 32.6 | 0.0 | 6.6 | 20.7 | 0.0 | 2.3 | 0.1 | 91.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 209 | V2 | 6 | 11.60 | 90.803 | 32.6 | 0.0 | 6.7 | 20.4 | 0.0 | 2.3 | 0.1 | 91.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 210 | V2 | 6 | 11.50 | 90.803 | 32.6 | 0.0 | 6.8 | 20.2 | 0.0 | 2.3 | 0.1 | 90.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 211 | V2 | 6 | 11.40 | 90.803 | 32.6 | 0.0 | 6.9 | 19.9 | 0.0 | 2.3 | 0.1 | 90.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 212 | V2 | 6 | 11.30 | 90.803 | 32.6 | 0.0 | 7.0 | 19.7 | 0.0 | 2.3 | 0.1 | 89.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.443 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 213 | V2 | 6 | 11.20 | 90.803 | 32.6 | 0.0 | 7.0 | 19.5 | 0.0 | 2.3 | 0.1 | 89.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 214 | V2 | 6 | 11.10 | 90.803 | 32.6 | 0.0 | 7.1 | 19.3 | 0.0 | 2.3 | 0.1 | 88.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 215 | V2 | 6 | 11.00 | 90.803 | 32.6 | 0.0 | 7.2 | 19.1 | 0.0 | 2.3 | 0.1 | 88.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.29 | 0.00 | 0.00 | 0.00 | 0.53 | 3.31 |
| 216 | V2 | 6 | 10.90 | 90.803 | 32.6 | 0.0 | 7.3 | 18.9 | 0.0 | 2.3 | 0.1 | 87.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 217 | V2 | 6 | 10.80 | 90.803 | 32.6 | 0.0 | 7.3 | 18.7 | 0.0 | 2.3 | 0.1 | 87.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 218 | V2 | 6 | 10.70 | 90.803 | 32.6 | 0.0 | 7.4 | 18.5 | 0.0 | 2.3 | 0.1 | 87.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 219 | V2 | 6 | 10.60 | 90.803 | 32.6 | 0.0 | 7.4 | 18.3 | 0.0 | 2.2 | 0.1 | 86.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 220 | V2 | 6 | 10.50 | 90.803 | 32.6 | 0.0 | 7.5 | 18.1 | 0.0 | 2.2 | 0.1 | 86.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 221 | V2 | 6 | 10.40 | 90.803 | 32.6 | 0.0 | 7.6 | 17.9 | 0.0 | 2.2 | 0.1 | 85.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 222 | V2 | 6 | 10.30 | 90.803 | 32.6 | 0.0 | 7.6 | 17.8 | 0.0 | 2.2 | 0.1 | 85.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 223 | V2 | 6 | 10.20 | 90.803 | 32.6 | 0.0 | 7.7 | 17.6 | 0.0 | 2.2 | 0.1 | 84.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 224 | V2 | 6 | 10.10 | 90.803 | 32.6 | 0.0 | 7.7 | 17.5 | 0.0 | 2.2 | 0.1 | 84.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 225 | V2 | 6 | 10.00 | 90.803 | 32.6 | 0.0 | 7.8 | 17.3 | 0.0 | 2.2 | 0.1 | 83.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 226 | V2 | 6 | 9.90 | 90.803 | 32.6 | 0.0 | 7.8 | 17.2 | 0.0 | 2.2 | 0.1 | 83.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 227 | V2 | 6 | 9.80 | 90.803 | 32.6 | 0.0 | 7.9 | 17.0 | 0.0 | 2.2 | 0.1 | 82.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 228 | V2 | 6 | 9.70 | 90.803 | 32.6 | 0.0 | 7.9 | 16.9 | 0.0 | 2.2 | 0.1 | 82.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 229 | V2 | 6 | 9.60 | 90.803 | 32.6 | 0.0 | 8.0 | 16.7 | 0.0 | 2.2 | 0.1 | 81.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 230 | V2 | 6 | 9.50 | 90.803 | 32.6 | 0.0 | 8.0 | 16.6 | 0.0 | 2.2 | 0.1 | 81.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 231 | V2 | 6 | 9.40 | 90.803 | 32.6 | 0.0 | 8.0 | 16.5 | 0.0 | 2.2 | 0.1 | 80.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 232 | V2 | 6 | 9.30 | 90.803 | 32.6 | 0.0 | 8.1 | 16.4 | 0.0 | 2.2 | 0.1 | 80.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 233 | V2 | 6 | 9.20 | 90.803 | 32.6 | 0.0 | 8.1 | 16.2 | 0.0 | 2.2 | 0.1 | 79.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 234 | V2 | 6 | 9.10 | 90.803 | 32.6 | 0.0 | 8.1 | 16.1 | 0.0 | 2.2 | 0.1 | 79.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 235 | V2 | 6 | 9.00 | 90.803 | 32.6 | 0.0 | 8.2 | 16.0 | 0.0 | 2.2 | 0.1 | 78.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 236 | V2 | 6 | 8.90 | 90.803 | 32.6 | 0.0 | 8.2 | 15.9 | 0.0 | 2.1 | 0.1 | 78.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 237 | V2 | 6 | 8.80 | 90.803 | 32.6 | 0.0 | 8.2 | 15.8 | 0.0 | 2.1 | 0.1 | 78.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 238 | V2 | 6 | 8.70 | 90.803 | 32.5 | 0.0 | 8.2 | 15.7 | 0.0 | 2.1 | 0.1 | 77.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 239 | V2 | 6 | 8.60 | 90.803 | 32.5 | 0.0 | 8.3 | 15.6 | 0.0 | 2.1 | 0.1 | 77.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 240 | V2 | 6 | 8.50 | 90.803 | 32.5 | 0.0 | 8.3 | 15.5 | 0.0 | 2.1 | 0.1 | 76.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 241 | V2 | 6 | 8.40 | 90.803 | 32.5 | 0.0 | 8.3 | 15.4 | 0.0 | 2.1 | 0.1 | 76.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 242 | V2 | 6 | 8.30 | 90.803 | 32.5 | 0.0 | 8.3 | 15.3 | 0.0 | 2.1 | 0.1 | 75.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 243 | V2 | 6 | 8.20 | 90.803 | 32.5 | 0.0 | 8.3 | 15.2 | 0.0 | 2.1 | 0.1 | 75.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 244 | V2 | 6 | 8.10 | 90.803 | 32.5 | 0.0 | 8.3 | 15.2 | 0.0 | 2.1 | 0.1 | 74.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.31 |
| 245 | V2 | 6 | 8.00 | 90.803 | 32.5 | 0.0 | 8.3 | 15.1 | 0.0 | 2.1 | 0.1 | 74.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 246 | V2 | 6 | 7.90 | 90.803 | 32.5 | 0.0 | 8.3 | 15.0 | 0.0 | 2.1 | 0.1 | 73.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 247 | V2 | 6 | 7.80 | 90.803 | 32.5 | 0.0 | 8.3 | 14.9 | 0.0 | 2.1 | 0.1 | 73.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 248 | V2 | 6 | 7.70 | 90.803 | 32.5 | 0.0 | 8.3 | 14.9 | 0.0 | 2.1 | 0.1 | 72.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 249 | V2 | 6 | 7.60 | 90.803 | 32.5 | 0.0 | 8.3 | 14.8 | 0.0 | 2.1 | 0.1 | 72.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 250 | V2 | 6 | 7.50 | 90.803 | 32.5 | 0.0 | 8.3 | 14.7 | 0.0 | 2.1 | 0.1 | 71.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 251 | V2 | 6 | 7.40 | 90.803 | 32.5 | 0.0 | 8.3 | 14.6 | 0.0 | 2.1 | 0.1 | 71.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 252 | V2 | 6 | 7.30 | 90.803 | 32.5 | 0.0 | 8.3 | 14.6 | 0.0 | 2.1 | 0.1 | 70.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 253 | V2 | 6 | 7.20 | 90.803 | 32.5 | 0.0 | 8.3 | 14.5 | 0.0 | 2.1 | 0.1 | 70.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 254 | V2 | 6 | 7.10 | 90.803 | 32.5 | 0.0 | 8.3 | 14.5 | 0.0 | 2.0 | 0.1 | 69.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 255 | V2 | 6 | 7.00 | 90.803 | 32.5 | 0.0 | 8.2 | 14.4 | 0.0 | 2.0 | 0.1 | 69.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 256 | V2 | 6 | 6.90 | 90.803 | 32.5 | 0.0 | 8.2 | 14.3 | 0.0 | 2.0 | 0.1 | 69.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 257 | V2 | 6 | 6.80 | 90.803 | 32.5 | 0.0 | 8.2 | 14.3 | 0.0 | 2.0 | 0.1 | 68.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |

EXPANDED CAPSULE SUMMARY FOR Grassy Lake

| 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 |
| | | | | | | | | | | | | ADVEC | MEAN | DO | REAER | BOD1 | BOD1 | BOD2 | BOD2 | NH3 | | | | |
| 258 | V2 | 6 | 6.70 | 90.803 | 32.5 | 0.0 | 8.2 | 14.2 | 0.0 | 2.0 | 0.1 | 68.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 259 | V2 | 6 | 6.60 | 90.803 | 32.5 | 0.0 | 8.1 | 14.2 | 0.0 | 2.0 | 0.1 | 67.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 260 | V2 | 6 | 6.50 | 90.803 | 32.5 | 0.0 | 8.1 | 14.1 | 0.0 | 2.0 | 0.1 | 67.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 261 | V2 | 6 | 6.40 | 90.803 | 32.5 | 0.0 | 8.1 | 14.1 | 0.0 | 2.0 | 0.1 | 66.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 262 | V2 | 6 | 6.30 | 90.803 | 32.5 | 0.0 | 8.1 | 14.0 | 0.0 | 2.0 | 0.1 | 66.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 263 | V2 | 6 | 6.20 | 90.803 | 32.5 | 0.0 | 8.0 | 14.0 | 0.0 | 2.0 | 0.1 | 65.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| WASTELOAD # 264 (NPDES Group2) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | |
| 264 | V2 | 6 | 6.10 | 90.812 | 32.5 | 0.0 | 8.0 | 13.9 | 0.0 | 2.0 | 0.1 | 65.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 265 | V2 | 6 | 6.00 | 90.812 | 32.5 | 0.0 | 8.0 | 13.9 | 0.0 | 2.0 | 0.1 | 64.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 266 | V2 | 6 | 5.90 | 90.812 | 32.5 | 0.0 | 7.9 | 13.9 | 0.0 | 2.0 | 0.1 | 64.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 267 | V2 | 6 | 5.80 | 90.812 | 32.5 | 0.0 | 7.9 | 13.8 | 0.0 | 2.0 | 0.1 | 63.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 268 | V2 | 6 | 5.70 | 90.812 | 32.5 | 0.0 | 7.9 | 13.8 | 0.0 | 2.0 | 0.1 | 63.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 269 | V2 | 6 | 5.60 | 90.812 | 32.5 | 0.0 | 7.8 | 13.7 | 0.0 | 2.0 | 0.1 | 62.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 270 | V2 | 6 | 5.50 | 90.812 | 32.5 | 0.0 | 7.8 | 13.7 | 0.0 | 2.0 | 0.1 | 62.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 271 | V2 | 6 | 5.40 | 90.812 | 32.5 | 0.0 | 7.7 | 13.7 | 0.0 | 2.0 | 0.1 | 61.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 272 | V2 | 6 | 5.30 | 90.812 | 32.5 | 0.0 | 7.7 | 13.6 | 0.0 | 2.0 | 0.1 | 61.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 273 | V2 | 6 | 5.20 | 90.812 | 32.5 | 0.0 | 7.6 | 13.6 | 0.0 | 1.9 | 0.1 | 60.9 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 274 | V2 | 6 | 5.10 | 90.812 | 32.5 | 0.0 | 7.6 | 13.6 | 0.0 | 1.9 | 0.1 | 60.4 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 275 | V2 | 6 | 5.00 | 90.812 | 32.5 | 0.0 | 7.6 | 13.5 | 0.0 | 1.9 | 0.1 | 60.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 276 | V2 | 6 | 4.90 | 90.812 | 32.5 | 0.0 | 7.5 | 13.5 | 0.0 | 1.9 | 0.1 | 59.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 277 | V2 | 6 | 4.80 | 90.812 | 32.5 | 0.0 | 7.5 | 13.5 | 0.0 | 1.9 | 0.1 | 59.0 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.54 | 3.30 |
| 278 | V2 | 6 | 4.70 | 90.812 | 32.5 | 0.0 | 7.4 | 13.4 | 0.0 | 1.9 | 0.1 | 58.5 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 279 | V2 | 6 | 4.60 | 90.812 | 32.5 | 0.0 | 7.3 | 13.4 | 0.0 | 1.9 | 0.1 | 58.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 280 | V2 | 6 | 4.50 | 90.812 | 32.5 | 0.0 | 7.3 | 13.4 | 0.0 | 1.9 | 0.1 | 57.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 281 | V2 | 6 | 4.40 | 90.812 | 32.5 | 0.0 | 7.2 | 13.4 | 0.0 | 1.9 | 0.1 | 57.1 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 282 | V2 | 6 | 4.30 | 90.812 | 32.5 | 0.0 | 7.2 | 13.3 | 0.0 | 1.9 | 0.1 | 56.6 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 283 | V2 | 6 | 4.20 | 90.812 | 32.5 | 0.0 | 7.1 | 13.3 | 0.0 | 1.9 | 0.1 | 56.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 284 | V2 | 6 | 4.10 | 90.812 | 32.5 | 0.0 | 7.1 | 13.3 | 0.0 | 1.9 | 0.1 | 55.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 285 | V2 | 6 | 4.00 | 90.812 | 32.5 | 0.0 | 7.0 | 13.3 | 0.0 | 1.9 | 0.1 | 55.2 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 286 | V2 | 6 | 3.90 | 90.812 | 32.5 | 0.0 | 7.0 | 13.2 | 0.0 | 1.9 | 0.1 | 54.7 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 287 | V2 | 6 | 3.80 | 90.812 | 32.5 | 0.0 | 6.9 | 13.2 | 0.0 | 1.9 | 0.1 | 54.3 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 288 | V2 | 6 | 3.70 | 90.812 | 32.5 | 0.0 | 6.8 | 13.2 | 0.0 | 1.9 | 0.1 | 53.8 | 0.0 | 2.134092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 289 | V2 | 6 | 3.60 | 90.812 | 32.5 | 0.0 | 6.8 | 13.2 | 0.0 | 1.9 | 0.1 | 53.3 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 290 | V2 | 6 | 3.50 | 90.812 | 32.5 | 0.0 | 6.7 | 13.2 | 0.0 | 1.9 | 0.1 | 52.8 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.53 | 3.30 |
| 291 | V2 | 6 | 3.40 | 90.812 | 32.5 | 0.0 | 6.6 | 13.1 | 0.0 | 1.9 | 0.1 | 52.4 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 292 | V2 | 6 | 3.30 | 90.812 | 32.5 | 0.0 | 6.6 | 13.1 | 0.0 | 1.9 | 0.1 | 51.9 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 293 | V2 | 6 | 3.20 | 90.812 | 32.5 | 0.0 | 6.5 | 13.1 | 0.0 | 1.9 | 0.1 | 51.4 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 294 | V2 | 6 | 3.10 | 90.812 | 32.5 | 0.0 | 6.4 | 13.1 | 0.0 | 1.8 | 0.1 | 50.9 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 295 | V2 | 6 | 3.00 | 90.812 | 32.5 | 0.0 | 6.4 | 13.1 | 0.0 | 1.8 | 0.1 | 50.5 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 296 | V2 | 6 | 2.90 | 90.812 | 32.5 | 0.0 | 6.3 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.0 | 2.134 | 092.0 | 0.010 | 0.010 | 7.2 | 0.442 | 0.28 | 0.00 | 0.00 | 0.00 | 0.52 | 3.30 |
| 297 | V1 | 7 | 2.80 | 90.812 | 32.5 | 0.0 | 6.3 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 298 | V1 | 7 | 2.70 | 90.812 | 32.5 | 0.0 | 6.2 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 299 | V1 | 7 | 2.60 | 90.812 | 32.5 | 0.0 | 6.2 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 300 | V1 | 7 | 2.50 | 90.812 | 32.5 | 0.0 | 6.2 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 301 | V1 | 7 | 2.40 | 90.812 | 32.5 | 0.0 | 6.1 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 302 | V1 | 7 | 2.30 | 90.812 | 32.5 | 0.0 | 6.1 | 13.0 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 303 | V1 | 7 | 2.20 | 90.812 | 32.5 | 0.0 | 6.0 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.52 | 2.86 |
| 304 | V1 | 7 | 2.10 | 90.812 | 32.5 | 0.0 | 6.0 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 305 | V1 | 7 | 2.00 | 90.812 | 32.5 | 0.0 | 6.0 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 306 | V1 | 7 | 1.90 | 90.812 | 32.5 | 0.0 | 5.9 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 307 | V1 | 7 | 1.80 | 90.812 | 32.5 | 0.0 | 5.9 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 308 | V1 | 7 | 1.70 | 90.812 | 32.5 | 0.0 | 5.9 | 12.9 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 309 | V1 | 7 | 1.60 | 90.812 | 32.5 | 0.0 | 5.8 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 310 | V1 | 7 | 1.50 | 90.812 | 32.5 | 0.0 | 5.8 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 311 | V1 | 7 | 1.40 | 90.812 | 32.5 | 0.0 | 5.8 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 312 | V1 | 7 | 1.30 | 90.812 | 32.5 | 0.0 | 5.7 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 313 | V1 | 7 | 1.20 | 90.812 | 32.5 | 0.0 | 5.7 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 314 | V1 | 7 | 1.10 | 90.812 | 32.5 | 0.0 | 5.7 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 315 | V1 | 7 | 1.00 | 90.812 | 32.5 | 0.0 | 5.6 | 12.8 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 316 | V1 | 7 | 0.90 | 90.812 | 32.5 | 0.0 | 5.6 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 317 | V1 | 7 | 0.80 | 90.812 | 32.5 | 0.0 | 5.6 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 318 | V1 | 7 | 0.70 | 90.812 | 32.5 | 0.0 | 5.5 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| WASTELOAD # 319 (NPDES Group3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | V1 | 7 | 0.60 | 90.813 | 32.5 | 0.0 | 5.5 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 320 | V1 | 7 | 0.50 | 90.813 | 32.5 | 0.0 | 5.5 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.51 | 2.86 |
| 321 | V1 | 7 | 0.40 | 90.813 | 32.5 | 0.0 | 5.5 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 322 | V1 | 7 | 0.30 | 90.813 | 32.5 | 0.0 | 5.4 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 323 | V1 | 7 | 0.20 | 90.813 | 32.5 | 0.0 | 5.4 | 12.7 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 324 | V1 | 7 | 0.10 | 90.813 | 32.5 | 0.0 | 5.4 | 12.6 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |
| 325 | V1 | 7 | 0.00 | 90.813 | 32.5 | 0.0 | 5.3 | 12.2 | 0.0 | 1.8 | 0.1 | 50.0 | 0.1 | 1.95 | 767.0 | 0.061 | 0.061 | 7.2 | 0.483 | 0.41 | 0.00 | 0.00 | 0.00 | 0.50 | 2.86 |

EXPANDED CAPSULE SUMMARY FOR Fourmile Bayou Oxbow

| 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 | 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 |
| 56 | OB | 3 | 4.10 | 8.800 | 33.9 | 0.0 | 6.8 | 11.0 | 0.0 | 1.7 | 0.1 | 93.5 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.360 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.19 |
| 57 | OB | 3 | 4.00 | 8.800 | 33.9 | 0.0 | 6.9 | 11.0 | 0.0 | 1.7 | 0.1 | 91.9 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.18 |
| 58 | OB | 3 | 3.90 | 8.800 | 33.8 | 0.0 | 6.9 | 11.0 | 0.0 | 1.7 | 0.1 | 90.4 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.17 |
| 59 | OB | 3 | 3.80 | 8.800 | 33.8 | 0.0 | 6.9 | 11.0 | 0.0 | 1.7 | 0.1 | 88.8 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.16 |
| 60 | OB | 3 | 3.70 | 8.800 | 33.8 | 0.0 | 7.0 | 11.0 | 0.0 | 1.7 | 0.1 | 87.3 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.40 | 0.00 | 0.00 | 0.00 | 0.59 | 7.15 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | OB | 3 | 3.60 | 8.800 | 33.8 | 0.0 | 7.0 | 11.0 | 0.0 | 1.8 | 0.1 | 85.7 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.40 | 0.00 | 0.00 | 0.00 | 0.58 | 7.13 |
| 62 | OB | 3 | 3.50 | 8.800 | 33.7 | 0.0 | 7.0 | 11.0 | 0.0 | 1.8 | 0.1 | 84.2 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.12 |
| 63 | OB | 3 | 3.40 | 8.800 | 33.7 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 82.6 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.359 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.11 |
| 64 | OB | 3 | 3.30 | 8.800 | 33.7 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 81.1 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.10 |
| 65 | OB | 3 | 3.20 | 8.800 | 33.7 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 79.5 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.09 |
| 66 | OB | 3 | 3.10 | 8.800 | 33.6 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 78.0 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.08 |
| 67 | OB | 3 | 3.00 | 8.800 | 33.6 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 76.4 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.07 |
| 68 | OB | 3 | 2.90 | 8.800 | 33.6 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 74.9 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.06 |
| 69 | OB | 3 | 2.80 | 8.800 | 33.6 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 73.3 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.58 | 7.05 |
| 70 | OB | 3 | 2.70 | 8.800 | 33.5 | 0.0 | 7.0 | 11.1 | 0.0 | 1.8 | 0.1 | 71.8 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.358 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.04 |
| 71 | OB | 3 | 2.60 | 8.800 | 33.5 | 0.0 | 6.9 | 11.1 | 0.0 | 1.9 | 0.1 | 70.2 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.03 |
| 72 | OB | 3 | 2.50 | 8.800 | 33.5 | 0.0 | 6.9 | 11.1 | 0.0 | 1.9 | 0.1 | 68.7 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.02 |
| 73 | OB | 3 | 2.40 | 8.800 | 33.5 | 0.0 | 6.9 | 11.2 | 0.0 | 1.9 | 0.1 | 67.1 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.01 |
| 74 | OB | 3 | 2.30 | 8.800 | 33.4 | 0.0 | 6.8 | 11.2 | 0.0 | 1.9 | 0.1 | 65.6 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 7.00 |
| 75 | OB | 3 | 2.20 | 8.800 | 33.4 | 0.0 | 6.8 | 11.2 | 0.0 | 1.9 | 0.1 | 64.0 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 6.99 |
| 76 | OB | 3 | 2.10 | 8.800 | 33.4 | 0.0 | 6.8 | 11.2 | 0.0 | 1.9 | 0.1 | 62.5 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.57 | 6.98 |
| 77 | OB | 3 | 2.00 | 8.800 | 33.4 | 0.0 | 6.7 | 11.2 | 0.0 | 1.9 | 0.1 | 61.0 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.97 |
| 78 | OB | 3 | 1.90 | 8.800 | 33.4 | 0.0 | 6.7 | 11.2 | 0.0 | 1.9 | 0.1 | 59.4 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.357 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.96 |
| 79 | OB | 3 | 1.80 | 8.800 | 33.3 | 0.0 | 6.6 | 11.2 | 0.0 | 1.9 | 0.1 | 57.9 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.94 |
| 80 | OB | 3 | 1.70 | 8.800 | 33.3 | 0.0 | 6.6 | 11.2 | 0.0 | 1.9 | 0.1 | 56.3 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.93 |
| 81 | OB | 3 | 1.60 | 8.800 | 33.3 | 0.0 | 6.5 | 11.2 | 0.0 | 1.9 | 0.1 | 54.8 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.1 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.56 | 6.92 |
| 82 | OB | 3 | 1.50 | 8.800 | 33.3 | 0.0 | 6.4 | 11.2 | 0.0 | 2.0 | 0.1 | 53.2 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.91 |
| 83 | OB | 3 | 1.40 | 8.800 | 33.2 | 0.0 | 6.4 | 11.3 | 0.0 | 2.0 | 0.1 | 51.7 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.90 |
| 84 | OB | 3 | 1.30 | 8.800 | 33.2 | 0.0 | 6.3 | 11.3 | 0.0 | 2.0 | 0.1 | 50.1 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.356 | 0.39 | 0.00 | 0.00 | 0.00 | 0.55 | 6.89 |
| 85 | OB | 3 | 1.20 | 8.800 | 33.2 | 0.0 | 6.2 | 11.3 | 0.0 | 2.0 | 0.1 | 48.6 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.356 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.88 |
| 86 | OB | 3 | 1.10 | 8.800 | 33.2 | 0.0 | 6.2 | 11.3 | 0.0 | 2.0 | 0.1 | 47.0 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.55 | 6.87 |
| 87 | OB | 3 | 1.00 | 8.800 | 33.1 | 0.0 | 6.1 | 11.3 | 0.0 | 2.0 | 0.1 | 45.5 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.86 |
| 88 | OB | 3 | 0.90 | 8.800 | 33.1 | 0.0 | 6.0 | 11.3 | 0.0 | 2.0 | 0.1 | 43.9 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.85 |
| 89 | OB | 3 | 0.80 | 8.800 | 33.1 | 0.0 | 5.9 | 11.3 | 0.0 | 2.0 | 0.1 | 42.4 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.84 |
| 90 | OB | 3 | 0.70 | 8.800 | 33.1 | 0.0 | 5.8 | 11.3 | 0.0 | 2.0 | 0.1 | 40.8 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.54 | 6.83 |
| 91 | OB | 3 | 0.60 | 8.800 | 33.0 | 0.0 | 5.7 | 11.3 | 0.0 | 2.0 | 0.1 | 39.3 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.82 |
| 92 | OB | 3 | 0.50 | 8.800 | 33.0 | 0.0 | 5.6 | 11.4 | 0.0 | 2.0 | 0.1 | 37.7 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.355 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.81 |
| 93 | OB | 3 | 0.40 | 8.800 | 33.0 | 0.0 | 5.5 | 11.4 | 0.0 | 2.1 | 0.1 | 36.2 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.354 | 0.38 | 0.00 | 0.00 | 0.00 | 0.53 | 6.80 |
| 94 | OB | 3 | 0.30 | 8.800 | 33.0 | 0.0 | 5.4 | 11.4 | 0.0 | 2.1 | 0.1 | 34.6 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.354 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.79 |
| 95 | OB | 3 | 0.20 | 8.800 | 32.9 | 0.0 | 5.3 | 11.4 | 0.0 | 2.1 | 0.1 | 33.1 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.354 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.78 |
| 96 | OB | 3 | 0.10 | 8.800 | 32.9 | 0.0 | 5.2 | 11.4 | 0.0 | 2.1 | 0.1 | 31.5 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.354 | 0.38 | 0.00 | 0.00 | 0.00 | 0.52 | 6.77 |
| 97 | OB | 3 | 0.00 | 8.800 | 32.9 | 0.0 | 5.1 | 11.7 | 0.0 | 2.1 | 0.1 | 30.0 | 0.1 | 2.50 | 87.0 | 0.040 | 0.040 | 7.2 | 0.354 | 0.38 | 0.00 | 0.00 | 0.00 | 0.51 | 6.76 |

SPECIAL REPORT: Grassy Lake
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 #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.200 | 33.12 | 0.0 | 0.0 | 0.0 | 6.72 | 21.16 | 0.00 | 21.16 | 0.00 | 1.60 | 0.10 | 0.03 | 1.73 | 0.00 | 99.9 | 0.0 | 0. | 0.00 |
| 2 | 28.100 | 33.15 | 0.0 | 0.0 | 0.0 | 6.74 | 21.16 | 0.00 | 21.16 | 0.00 | 1.61 | 0.10 | 0.02 | 1.73 | 0.00 | 99.7 | 0.0 | 0. | 0.00 |
| 3 | 28.000 | 33.17 | 0.0 | 0.0 | 0.0 | 6.76 | 21.17 | 0.00 | 21.17 | 0.00 | 1.61 | 0.10 | 0.01 | 1.72 | 0.00 | 99.6 | 0.0 | 0. | 0.00 |
| 4 | 27.900 | 33.19 | 0.0 | 0.0 | 0.0 | 6.77 | 21.17 | 0.00 | 21.17 | 0.00 | 1.62 | 0.10 | 0.00 | 1.71 | 0.00 | 99.4 | 0.0 | 0. | 0.00 |
| 5 | 27.800 | 33.21 | 0.0 | 0.0 | 0.0 | 6.79 | 21.18 | 0.00 | 21.18 | 0.00 | 1.62 | 0.10 | 0.00 | 1.72 | 0.00 | 99.3 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 27.700 | 33.24 | 0.0 | 0.0 | 0.0 | 6.81 | 21.18 | 0.00 | 21.18 | 0.00 | 1.62 | 0.10 | 0.00 | 1.72 | 0.00 | 99.1 | 0.0 | 0. | 0.00 |
| 7 | 27.600 | 33.26 | 0.0 | 0.0 | 0.0 | 6.82 | 21.19 | 0.00 | 21.19 | 0.00 | 1.63 | 0.10 | 0.00 | 1.72 | 0.00 | 99.0 | 0.0 | 0. | 0.00 |
| 8 | 27.500 | 33.28 | 0.0 | 0.0 | 0.0 | 6.83 | 21.19 | 0.00 | 21.19 | 0.00 | 1.63 | 0.10 | 0.00 | 1.73 | 0.00 | 98.9 | 0.0 | 0. | 0.00 |
| 9 | 27.400 | 33.31 | 0.0 | 0.0 | 0.0 | 6.85 | 21.20 | 0.00 | 21.20 | 0.00 | 1.63 | 0.10 | 0.00 | 1.73 | 0.00 | 98.7 | 0.0 | 0. | 0.00 |
| 10 | 27.300 | 33.33 | 0.0 | 0.0 | 0.0 | 6.86 | 21.20 | 0.00 | 21.20 | 0.00 | 1.64 | 0.10 | 0.00 | 1.73 | 0.00 | 98.6 | 0.0 | 0. | 0.00 |
| 11 | 27.200 | 33.35 | 0.0 | 0.0 | 0.0 | 6.87 | 21.21 | 0.00 | 21.21 | 0.00 | 1.64 | 0.10 | 0.00 | 1.74 | 0.00 | 98.4 | 0.0 | 0. | 0.00 |
| 12 | 27.100 | 33.37 | 0.0 | 0.0 | 0.0 | 6.88 | 21.21 | 0.00 | 21.21 | 0.00 | 1.65 | 0.10 | 0.00 | 1.74 | 0.00 | 98.3 | 0.0 | 0. | 0.00 |
| 13 | 27.000 | 33.40 | 0.0 | 0.0 | 0.0 | 6.89 | 21.21 | 0.00 | 21.21 | 0.00 | 1.65 | 0.10 | 0.00 | 1.75 | 0.00 | 98.1 | 0.0 | 0. | 0.00 |
| 14 | 26.900 | 33.42 | 0.0 | 0.0 | 0.0 | 6.90 | 21.22 | 0.00 | 21.22 | 0.00 | 1.65 | 0.10 | 0.00 | 1.75 | 0.00 | 98.0 | 0.0 | 0. | 0.00 |
| 15 | 26.800 | 33.44 | 0.0 | 0.0 | 0.0 | 6.91 | 21.22 | 0.00 | 21.22 | 0.00 | 1.66 | 0.10 | 0.00 | 1.75 | 0.00 | 97.9 | 0.0 | 0. | 0.00 |
| 16 | 26.700 | 33.47 | 0.0 | 0.0 | 0.0 | 6.92 | 21.22 | 0.00 | 21.22 | 0.00 | 1.66 | 0.10 | 0.00 | 1.76 | 0.00 | 97.7 | 0.0 | 0. | 0.00 |
| 17 | 26.600 | 33.49 | 0.0 | 0.0 | 0.0 | 6.93 | 21.23 | 0.00 | 21.23 | 0.00 | 1.66 | 0.09 | 0.00 | 1.76 | 0.00 | 97.6 | 0.0 | 0. | 0.00 |
| 18 | 26.500 | 33.51 | 0.0 | 0.0 | 0.0 | 6.93 | 21.23 | 0.00 | 21.23 | 0.00 | 1.67 | 0.09 | 0.00 | 1.76 | 0.00 | 97.4 | 0.0 | 0. | 0.00 |
| 19 | 26.400 | 33.53 | 0.0 | 0.0 | 0.0 | 6.94 | 21.23 | 0.00 | 21.23 | 0.00 | 1.67 | 0.09 | 0.00 | 1.77 | 0.00 | 97.3 | 0.0 | 0. | 0.00 |
| 20 | 26.300 | 33.56 | 0.0 | 0.0 | 0.0 | 6.95 | 21.23 | 0.00 | 21.23 | 0.00 | 1.68 | 0.09 | 0.00 | 1.77 | 0.00 | 97.1 | 0.0 | 0. | 0.00 |
| 21 | 26.200 | 33.58 | 0.0 | 0.0 | 0.0 | 6.95 | 21.24 | 0.00 | 21.24 | 0.00 | 1.68 | 0.09 | 0.00 | 1.77 | 0.00 | 97.0 | 0.0 | 0. | 0.00 |
| 22 | 26.100 | 33.60 | 0.0 | 0.0 | 0.0 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.68 | 0.09 | 0.00 | 1.78 | 0.00 | 96.9 | 0.0 | 0. | 0.00 |
| 23 | 26.000 | 33.63 | 0.0 | 0.0 | 0.0 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.78 | 0.00 | 96.7 | 0.0 | 0. | 0.00 |
| 24 | 25.900 | 33.65 | 0.0 | 0.0 | 0.0 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.78 | 0.00 | 96.6 | 0.0 | 0. | 0.00 |
| 25 | 25.800 | 33.67 | 0.0 | 0.0 | 0.0 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.79 | 0.00 | 96.4 | 0.0 | 0. | 0.00 |
| 26 | 25.700 | 33.69 | 0.0 | 0.0 | 0.0 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.70 | 0.09 | 0.00 | 1.79 | 0.00 | 96.3 | 0.0 | 0. | 0.00 |
| 27 | 25.600 | 33.72 | 0.0 | 0.0 | 0.0 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.70 | 0.09 | 0.00 | 1.80 | 0.00 | 96.1 | 0.0 | 0. | 0.00 |
| 28 | 25.500 | 33.74 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.71 | 0.09 | 0.00 | 1.80 | 0.00 | 96.0 | 0.0 | 0. | 0.00 |
| 29 | 25.400 | 33.76 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.71 | 0.09 | 0.00 | 1.80 | 0.00 | 95.9 | 0.0 | 0. | 0.00 |
| 30 | 25.300 | 33.79 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.81 | 0.00 | 95.7 | 0.0 | 0. | 0.00 |
| 31 | 25.200 | 33.81 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.81 | 0.00 | 95.6 | 0.0 | 0. | 0.00 |
| 32 | 25.100 | 33.83 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.82 | 0.00 | 95.4 | 0.0 | 0. | 0.00 |
| 33 | 25.000 | 33.85 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.73 | 0.09 | 0.00 | 1.82 | 0.00 | 95.3 | 0.0 | 0. | 0.00 |
| 34 | 24.900 | 33.88 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.73 | 0.09 | 0.00 | 1.82 | 0.00 | 95.1 | 0.0 | 0. | 0.00 |
| 35 | 24.800 | 33.90 | 0.0 | 0.0 | 0.0 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.74 | 0.09 | 0.00 | 1.83 | 0.00 | 95.0 | 0.0 | 0. | 0.00 |
| 36 | 24.700 | 33.85 | 0.0 | 0.0 | 0.0 | 6.96 | 21.26 | 0.00 | 21.26 | 0.00 | 1.75 | 0.09 | 0.00 | 1.84 | 0.00 | 91.8 | 0.0 | 0. | 0.00 |
| 37 | 24.600 | 33.80 | 0.0 | 0.0 | 0.0 | 6.94 | 21.27 | 0.00 | 21.27 | 0.00 | 1.75 | 0.09 | 0.00 | 1.84 | 0.00 | 88.5 | 0.0 | 0. | 0.00 |
| 38 | 24.500 | 33.75 | 0.0 | 0.0 | 0.0 | 6.91 | 21.29 | 0.00 | 21.29 | 0.00 | 1.76 | 0.09 | 0.00 | 1.85 | 0.00 | 85.2 | 0.0 | 0. | 0.00 |
| 39 | 24.400 | 33.70 | 0.0 | 0.0 | 0.0 | 6.89 | 21.30 | 0.00 | 21.30 | 0.00 | 1.77 | 0.09 | 0.00 | 1.86 | 0.00 | 82.0 | 0.0 | 0. | 0.00 |
| 40 | 24.300 | 33.65 | 0.0 | 0.0 | 0.0 | 6.85 | 21.32 | 0.00 | 21.32 | 0.00 | 1.78 | 0.09 | 0.00 | 1.87 | 0.00 | 78.8 | 0.0 | 0. | 0.00 |
| 41 | 24.200 | 33.60 | 0.0 | 0.0 | 0.0 | 6.82 | 21.33 | 0.00 | 21.33 | 0.00 | 1.78 | 0.09 | 0.00 | 1.87 | 0.00 | 75.5 | 0.0 | 0. | 0.00 |
| 42 | 24.100 | 33.55 | 0.0 | 0.0 | 0.0 | 6.78 | 21.35 | 0.00 | 21.35 | 0.00 | 1.79 | 0.09 | 0.00 | 1.88 | 0.00 | 72.2 | 0.0 | 0. | 0.00 |
| 43 | 24.000 | 33.50 | 0.0 | 0.0 | 0.0 | 6.74 | 21.36 | 0.00 | 21.36 | 0.00 | 1.80 | 0.09 | 0.00 | 1.89 | 0.00 | 69.0 | 0.0 | 0. | 0.00 |
| 44 | 23.900 | 33.45 | 0.0 | 0.0 | 0.0 | 6.69 | 21.38 | 0.00 | 21.38 | 0.00 | 1.81 | 0.09 | 0.00 | 1.89 | 0.00 | 65.8 | 0.0 | 0. | 0.00 |
| 45 | 23.800 | 33.40 | 0.0 | 0.0 | 0.0 | 6.64 | 21.40 | 0.00 | 21.40 | 0.00 | 1.81 | 0.09 | 0.00 | 1.90 | 0.00 | 62.5 | 0.0 | 0. | 0.00 |
| 46 | 23.700 | 33.35 | 0.0 | 0.0 | 0.0 | 6.59 | 21.41 | 0.00 | 21.41 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 59.2 | 0.0 | 0. | 0.00 |
| 47 | 23.600 | 33.30 | 0.0 | 0.0 | 0.0 | 6.53 | 21.43 | 0.00 | 21.43 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 56.0 | 0.0 | 0. | 0.00 |
| 48 | 23.500 | 33.25 | 0.0 | 0.0 | 0.0 | 6.47 | 21.45 | 0.00 | 21.45 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 52.8 | 0.0 | 0. | 0.00 |
| 49 | 23.400 | 33.20 | 0.0 | 0.0 | 0.0 | 6.40 | 21.47 | 0.00 | 21.47 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 49.5 | 0.0 | 0. | 0.00 |
| 50 | 23.300 | 33.15 | 0.0 | 0.0 | 0.0 | 6.34 | 21.48 | 0.00 | 21.48 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 46.2 | 0.0 | 0. | 0.00 |
| 51 | 23.200 | 33.10 | 0.0 | 0.0 | 0.0 | 6.26 | 21.50 | 0.00 | 21.50 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 43.0 | 0.0 | 0. | 0.00 |
| 52 | 23.100 | 33.05 | 0.0 | 0.0 | 0.0 | 6.19 | 21.52 | 0.00 | 21.52 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 39.8 | 0.0 | 0. | 0.00 |
| 53 | 23.000 | 33.00 | 0.0 | 0.0 | 0.0 | 6.11 | 21.53 | 0.00 | 21.53 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |
| 54 | 22.900 | 32.95 | 0.0 | 0.0 | 0.0 | 6.03 | 21.55 | 0.00 | 21.55 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 55 | 22.800 | 32.90 | 0.0 | 0.0 | 0.0 | 5.94 | 21.52 | 0.00 | 21.52 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 22.700 | 32.90 | 0.0 | 0.0 | 0.0 | 5.78 | 20.11 | 0.00 | 20.11 | 0.00 | 1.92 | 0.09 | 0.00 | 2.01 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 99 | 22.600 | 32.89 | 0.0 | 0.0 | 0.0 | 5.74 | 20.12 | 0.00 | 20.12 | 0.00 | 1.93 | 0.09 | 0.00 | 2.02 | 0.00 | 34.1 | 0.0 | 0. | 0.00 |
| 100 | 22.500 | 32.89 | 0.0 | 0.0 | 0.0 | 5.70 | 20.13 | 0.00 | 20.13 | 0.00 | 1.94 | 0.09 | 0.00 | 2.03 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 101 | 22.400 | 32.89 | 0.0 | 0.0 | 0.0 | 5.66 | 20.14 | 0.00 | 20.14 | 0.00 | 1.95 | 0.09 | 0.00 | 2.04 | 0.00 | 38.2 | 0.0 | 0. | 0.00 |
| 102 | 22.300 | 32.89 | 0.0 | 0.0 | 0.0 | 5.62 | 20.15 | 0.00 | 20.15 | 0.00 | 1.95 | 0.09 | 0.00 | 2.04 | 0.00 | 40.3 | 0.0 | 0. | 0.00 |
| 103 | 22.200 | 32.88 | 0.0 | 0.0 | 0.0 | 5.58 | 20.16 | 0.00 | 20.16 | 0.00 | 1.96 | 0.09 | 0.00 | 2.05 | 0.00 | 42.4 | 0.0 | 0. | 0.00 |
| 104 | 22.100 | 32.88 | 0.0 | 0.0 | 0.0 | 5.54 | 20.17 | 0.00 | 20.17 | 0.00 | 1.97 | 0.09 | 0.00 | 2.06 | 0.00 | 44.4 | 0.0 | 0. | 0.00 |
| 105 | 22.000 | 32.88 | 0.0 | 0.0 | 0.0 | 5.51 | 20.18 | 0.00 | 20.18 | 0.00 | 1.97 | 0.09 | 0.00 | 2.06 | 0.00 | 46.5 | 0.0 | 0. | 0.00 |
| 106 | 21.900 | 32.87 | 0.0 | 0.0 | 0.0 | 5.47 | 20.19 | 0.00 | 20.19 | 0.00 | 1.98 | 0.09 | 0.00 | 2.07 | 0.00 | 48.5 | 0.0 | 0. | 0.00 |
| 107 | 21.800 | 32.87 | 0.0 | 0.0 | 0.0 | 5.44 | 20.20 | 0.00 | 20.20 | 0.00 | 1.99 | 0.09 | 0.00 | 2.08 | 0.00 | 50.6 | 0.0 | 0. | 0.00 |
| 108 | 21.700 | 32.87 | 0.0 | 0.0 | 0.0 | 5.41 | 20.21 | 0.00 | 20.21 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 52.6 | 0.0 | 0. | 0.00 |
| 109 | 21.600 | 32.86 | 0.0 | 0.0 | 0.0 | 5.38 | 20.22 | 0.00 | 20.22 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 54.7 | 0.0 | 0. | 0.00 |
| 110 | 21.500 | 32.86 | 0.0 | 0.0 | 0.0 | 5.35 | 20.23 | 0.00 | 20.23 | 0.00 | 2.01 | 0.09 | 0.00 | 2.10 | 0.00 | 56.8 | 0.0 | 0. | 0.00 |
| 111 | 21.400 | 32.86 | 0.0 | 0.0 | 0.0 | 5.32 | 20.23 | 0.00 | 20.23 | 0.00 | 2.02 | 0.09 | 0.00 | 2.11 | 0.00 | 58.8 | 0.0 | 0. | 0.00 |
| 112 | 21.300 | 32.86 | 0.0 | 0.0 | 0.0 | 5.30 | 20.24 | 0.00 | 20.24 | 0.00 | 2.02 | 0.09 | 0.00 | 2.12 | 0.00 | 60.9 | 0.0 | 0. | 0.00 |
| 113 | 21.200 | 32.85 | 0.0 | 0.0 | 0.0 | 5.28 | 20.25 | 0.00 | 20.25 | 0.00 | 2.03 | 0.09 | 0.00 | 2.12 | 0.00 | 62.9 | 0.0 | 0. | 0.00 |
| 114 | 21.100 | 32.85 | 0.0 | 0.0 | 0.0 | 5.25 | 20.26 | 0.00 | 20.26 | 0.00 | 2.04 | 0.09 | 0.00 | 2.13 | 0.00 | 65.0 | 0.0 | 0. | 0.00 |
| 115 | 21.000 | 32.85 | 0.0 | 0.0 | 0.0 | 5.23 | 20.27 | 0.00 | 20.27 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 67.1 | 0.0 | 0. | 0.00 |
| 116 | 20.900 | 32.84 | 0.0 | 0.0 | 0.0 | 5.21 | 20.28 | 0.00 | 20.28 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 69.1 | 0.0 | 0. | 0.00 |
| 117 | 20.800 | 32.84 | 0.0 | 0.0 | 0.0 | 5.19 | 20.29 | 0.00 | 20.29 | 0.00 | 2.06 | 0.09 | 0.00 | 2.15 | 0.00 | 71.2 | 0.0 | 0. | 0.00 |
| 118 | 20.700 | 32.84 | 0.0 | 0.0 | 0.0 | 5.17 | 20.30 | 0.00 | 20.30 | 0.00 | 2.07 | 0.09 | 0.00 | 2.16 | 0.00 | 73.2 | 0.0 | 0. | 0.00 |
| 119 | 20.600 | 32.84 | 0.0 | 0.0 | 0.0 | 5.16 | 20.31 | 0.00 | 20.31 | 0.00 | 2.07 | 0.09 | 0.00 | 2.17 | 0.00 | 75.3 | 0.0 | 0. | 0.00 |
| 120 | 20.500 | 32.83 | 0.0 | 0.0 | 0.0 | 5.14 | 20.32 | 0.00 | 20.32 | 0.00 | 2.08 | 0.09 | 0.00 | 2.17 | 0.00 | 77.4 | 0.0 | 0. | 0.00 |
| 121 | 20.400 | 32.83 | 0.0 | 0.0 | 0.0 | 5.13 | 20.33 | 0.00 | 20.33 | 0.00 | 2.09 | 0.09 | 0.00 | 2.18 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 122 | 20.300 | 32.83 | 0.0 | 0.0 | 0.0 | 5.12 | 20.34 | 0.00 | 20.34 | 0.00 | 2.10 | 0.09 | 0.00 | 2.19 | 0.00 | 81.5 | 0.0 | 0. | 0.00 |
| 123 | 20.200 | 32.82 | 0.0 | 0.0 | 0.0 | 5.11 | 20.35 | 0.00 | 20.35 | 0.00 | 2.10 | 0.09 | 0.00 | 2.19 | 0.00 | 83.5 | 0.0 | 0. | 0.00 |
| 124 | 20.100 | 32.82 | 0.0 | 0.0 | 0.0 | 5.10 | 20.36 | 0.00 | 20.36 | 0.00 | 2.11 | 0.09 | 0.00 | 2.20 | 0.00 | 85.6 | 0.0 | 0. | 0.00 |
| 125 | 20.000 | 32.82 | 0.0 | 0.0 | 0.0 | 5.09 | 20.37 | 0.00 | 20.37 | 0.00 | 2.12 | 0.09 | 0.00 | 2.21 | 0.00 | 87.6 | 0.0 | 0. | 0.00 |
| 126 | 19.900 | 32.81 | 0.0 | 0.0 | 0.0 | 5.08 | 20.38 | 0.00 | 20.38 | 0.00 | 2.13 | 0.09 | 0.00 | 2.22 | 0.00 | 89.7 | 0.0 | 0. | 0.00 |
| 127 | 19.800 | 32.81 | 0.0 | 0.0 | 0.0 | 5.08 | 20.39 | 0.00 | 20.39 | 0.00 | 2.13 | 0.09 | 0.00 | 2.22 | 0.00 | 91.8 | 0.0 | 0. | 0.00 |
| 128 | 19.700 | 32.81 | 0.0 | 0.0 | 0.0 | 5.08 | 20.40 | 0.00 | 20.40 | 0.00 | 2.14 | 0.09 | 0.00 | 2.23 | 0.00 | 93.8 | 0.0 | 0. | 0.00 |
| 129 | 19.600 | 32.81 | 0.0 | 0.0 | 0.0 | 5.07 | 20.41 | 0.00 | 20.41 | 0.00 | 2.15 | 0.09 | 0.00 | 2.24 | 0.00 | 95.9 | 0.0 | 0. | 0.00 |
| 130 | 19.500 | 32.80 | 0.0 | 0.0 | 0.0 | 5.07 | 20.42 | 0.00 | 20.42 | 0.00 | 2.15 | 0.09 | 0.00 | 2.25 | 0.00 | 97.9 | 0.0 | 0. | 0.00 |
| 131 | 19.400 | 32.80 | 0.0 | 0.0 | 0.0 | 5.09 | 20.39 | 0.00 | 20.39 | 0.00 | 2.16 | 0.09 | 0.00 | 2.25 | 0.00 | 100.0 | 0.0 | 0. | 0.00 |
| 132 | 19.300 | 32.80 | 0.0 | 0.0 | 0.0 | 5.97 | 19.00 | 0.00 | 19.00 | 0.00 | 2.25 | 0.09 | 0.00 | 2.34 | 0.00 | 100.1 | 0.0 | 0. | 0.00 |
| 133 | 19.200 | 32.79 | 0.0 | 0.0 | 0.0 | 6.02 | 19.34 | 0.00 | 19.34 | 0.00 | 2.25 | 0.10 | 0.00 | 2.35 | 0.00 | 100.2 | 0.0 | 0. | 0.00 |
| 134 | 19.100 | 32.79 | 0.0 | 0.0 | 0.0 | 6.06 | 19.67 | 0.00 | 19.67 | 0.00 | 2.26 | 0.10 | 0.00 | 2.35 | 0.00 | 100.3 | 0.0 | 0. | 0.00 |
| 135 | 19.000 | 32.78 | 0.0 | 0.0 | 0.0 | 6.11 | 20.00 | 0.00 | 20.00 | 0.00 | 2.26 | 0.10 | 0.00 | 2.36 | 0.00 | 100.4 | 0.0 | 0. | 0.00 |
| 136 | 18.900 | 32.78 | 0.0 | 0.0 | 0.0 | 6.14 | 20.32 | 0.00 | 20.32 | 0.00 | 2.27 | 0.10 | 0.00 | 2.36 | 0.00 | 100.5 | 0.0 | 0. | 0.00 |
| 137 | 18.800 | 32.78 | 0.0 | 0.0 | 0.0 | 6.18 | 20.65 | 0.00 | 20.65 | 0.00 | 2.27 | 0.10 | 0.00 | 2.37 | 0.00 | 100.6 | 0.0 | 0. | 0.00 |
| 138 | 18.700 | 32.77 | 0.0 | 0.0 | 0.0 | 6.21 | 20.97 | 0.00 | 20.97 | 0.00 | 2.28 | 0.10 | 0.00 | 2.37 | 0.00 | 100.7 | 0.0 | 0. | 0.00 |
| 139 | 18.600 | 32.77 | 0.0 | 0.0 | 0.0 | 6.24 | 21.29 | 0.00 | 21.29 | 0.00 | 2.28 | 0.10 | 0.00 | 2.38 | 0.00 | 100.8 | 0.0 | 0. | 0.00 |
| 140 | 18.500 | 32.76 | 0.0 | 0.0 | 0.0 | 6.27 | 21.60 | 0.00 | 21.60 | 0.00 | 2.29 | 0.10 | 0.00 | 2.38 | 0.00 | 100.9 | 0.0 | 0. | 0.00 |
| 141 | 18.400 | 32.76 | 0.0 | 0.0 | 0.0 | 6.29 | 21.91 | 0.00 | 21.91 | 0.00 | 2.29 | 0.10 | 0.00 | 2.39 | 0.00 | 101.0 | 0.0 | 0. | 0.00 |
| 142 | 18.300 | 32.76 | 0.0 | 0.0 | 0.0 | 6.31 | 22.22 | 0.00 | 22.22 | 0.00 | 2.30 | 0.10 | 0.00 | 2.39 | 0.00 | 101.1 | 0.0 | 0. | 0.00 |
| 143 | 18.200 | 32.75 | 0.0 | 0.0 | 0.0 | 6.33 | 22.53 | 0.00 | 22.53 | 0.00 | 2.30 | 0.10 | 0.00 | 2.40 | 0.00 | 101.2 | 0.0 | 0. | 0.00 |
| 144 | 18.100 | 32.75 | 0.0 | 0.0 | 0.0 | 6.34 | 22.83 | 0.00 | 22.83 | 0.00 | 2.31 | 0.10 | 0.00 | 2.40 | 0.00 | 101.3 | 0.0 | 0. | 0.00 |
| 145 | 18.000 | 32.74 | 0.0 | 0.0 | 0.0 | 6.35 | 23.13 | 0.00 | 23.13 | 0.00 | 2.31 | 0.10 | 0.00 | 2.41 | 0.00 | 101.4 | 0.0 | 0. | 0.00 |
| 146 | 17.900 | 32.74 | 0.0 | 0.0 | 0.0 | 6.36 | 23.43 | 0.00 | 23.43 | 0.00 | 2.32 | 0.10 | 0.00 | 2.42 | 0.00 | 101.5 | 0.0 | 0. | 0.00 |
| 147 | 17.800 | 32.73 | 0.0 | 0.0 | 0.0 | 6.37 | 23.72 | 0.00 | 23.72 | 0.00 | 2.32 | 0.10 | 0.00 | 2.42 | 0.00 | 101.6 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148 | 17.700 | 32.73 | 0.0 | 0.0 | 0.0 | 6.37 | 24.01 | 0.00 | 24.01 | 0.00 | 2.33 | 0.10 | 0.00 | 2.43 | 0.00 | 101.7 | 0.0 | 0. | 0.00 |
| 149 | 17.600 | 32.73 | 0.0 | 0.0 | 0.0 | 6.37 | 24.30 | 0.00 | 24.30 | 0.00 | 2.33 | 0.10 | 0.00 | 2.43 | 0.00 | 101.8 | 0.0 | 0. | 0.00 |
| 150 | 17.500 | 32.72 | 0.0 | 0.0 | 0.0 | 6.37 | 24.59 | 0.00 | 24.59 | 0.00 | 2.34 | 0.10 | 0.00 | 2.44 | 0.00 | 101.9 | 0.0 | 0. | 0.00 |
| 151 | 17.400 | 32.72 | 0.0 | 0.0 | 0.0 | 6.37 | 24.87 | 0.00 | 24.87 | 0.00 | 2.34 | 0.10 | 0.00 | 2.44 | 0.00 | 102.0 | 0.0 | 0. | 0.00 |
| 152 | 17.300 | 32.71 | 0.0 | 0.0 | 0.0 | 6.36 | 25.16 | 0.00 | 25.16 | 0.00 | 2.35 | 0.10 | 0.00 | 2.45 | 0.00 | 102.1 | 0.0 | 0. | 0.00 |
| 153 | 17.200 | 32.71 | 0.0 | 0.0 | 0.0 | 6.35 | 25.44 | 0.00 | 25.44 | 0.00 | 2.35 | 0.10 | 0.00 | 2.45 | 0.00 | 102.2 | 0.0 | 0. | 0.00 |
| 154 | 17.100 | 32.71 | 0.0 | 0.0 | 0.0 | 6.34 | 25.71 | 0.00 | 25.71 | 0.00 | 2.36 | 0.10 | 0.00 | 2.46 | 0.00 | 102.3 | 0.0 | 0. | 0.00 |
| 155 | 17.000 | 32.70 | 0.0 | 0.0 | 0.0 | 6.33 | 25.99 | 0.00 | 25.99 | 0.00 | 2.36 | 0.10 | 0.00 | 2.46 | 0.00 | 102.4 | 0.0 | 0. | 0.00 |
| 156 | 16.900 | 32.70 | 0.0 | 0.0 | 0.0 | 6.32 | 26.26 | 0.00 | 26.26 | 0.00 | 2.37 | 0.10 | 0.00 | 2.47 | 0.00 | 102.6 | 0.0 | 0. | 0.00 |
| 157 | 16.800 | 32.69 | 0.0 | 0.0 | 0.0 | 6.30 | 26.53 | 0.00 | 26.53 | 0.00 | 2.37 | 0.10 | 0.00 | 2.47 | 0.00 | 102.7 | 0.0 | 0. | 0.00 |
| 158 | 16.700 | 32.69 | 0.0 | 0.0 | 0.0 | 6.28 | 26.79 | 0.00 | 26.79 | 0.00 | 2.38 | 0.10 | 0.00 | 2.48 | 0.00 | 102.8 | 0.0 | 0. | 0.00 |
| 159 | 16.600 | 32.69 | 0.0 | 0.0 | 0.0 | 6.27 | 27.06 | 0.00 | 27.06 | 0.00 | 2.38 | 0.10 | 0.00 | 2.48 | 0.00 | 102.9 | 0.0 | 0. | 0.00 |
| 160 | 16.500 | 32.68 | 0.0 | 0.0 | 0.0 | 6.24 | 27.32 | 0.00 | 27.32 | 0.00 | 2.39 | 0.10 | 0.00 | 2.49 | 0.00 | 103.0 | 0.0 | 0. | 0.00 |
| 161 | 16.400 | 32.68 | 0.0 | 0.0 | 0.0 | 6.22 | 27.58 | 0.00 | 27.58 | 0.00 | 2.39 | 0.10 | 0.00 | 2.49 | 0.00 | 103.1 | 0.0 | 0. | 0.00 |
| 162 | 16.300 | 32.67 | 0.0 | 0.0 | 0.0 | 6.20 | 27.84 | 0.00 | 27.84 | 0.00 | 2.40 | 0.10 | 0.00 | 2.50 | 0.00 | 103.2 | 0.0 | 0. | 0.00 |
| 163 | 16.200 | 32.67 | 0.0 | 0.0 | 0.0 | 6.17 | 28.09 | 0.00 | 28.09 | 0.00 | 2.40 | 0.10 | 0.00 | 2.51 | 0.00 | 103.3 | 0.0 | 0. | 0.00 |
| 164 | 16.100 | 32.67 | 0.0 | 0.0 | 0.0 | 6.15 | 28.35 | 0.00 | 28.35 | 0.00 | 2.41 | 0.10 | 0.00 | 2.51 | 0.00 | 103.4 | 0.0 | 0. | 0.00 |
| 165 | 16.000 | 32.66 | 0.0 | 0.0 | 0.0 | 6.12 | 28.60 | 0.00 | 28.60 | 0.00 | 2.41 | 0.10 | 0.00 | 2.52 | 0.00 | 103.5 | 0.0 | 0. | 0.00 |
| 166 | 15.900 | 32.66 | 0.0 | 0.0 | 0.0 | 6.09 | 28.85 | 0.00 | 28.85 | 0.00 | 2.42 | 0.10 | 0.00 | 2.52 | 0.00 | 103.6 | 0.0 | 0. | 0.00 |
| 167 | 15.800 | 32.65 | 0.0 | 0.0 | 0.0 | 6.06 | 29.09 | 0.00 | 29.09 | 0.00 | 2.42 | 0.10 | 0.00 | 2.53 | 0.00 | 103.7 | 0.0 | 0. | 0.00 |
| 168 | 15.700 | 32.65 | 0.0 | 0.0 | 0.0 | 6.03 | 29.34 | 0.00 | 29.34 | 0.00 | 2.43 | 0.10 | 0.00 | 2.53 | 0.00 | 103.8 | 0.0 | 0. | 0.00 |
| 169 | 15.600 | 32.64 | 0.0 | 0.0 | 0.0 | 5.99 | 29.58 | 0.00 | 29.58 | 0.00 | 2.43 | 0.10 | 0.00 | 2.54 | 0.00 | 103.9 | 0.0 | 0. | 0.00 |
| 170 | 15.500 | 32.64 | 0.0 | 0.0 | 0.0 | 5.96 | 29.82 | 0.00 | 29.82 | 0.00 | 2.44 | 0.10 | 0.00 | 2.54 | 0.00 | 104.0 | 0.0 | 0. | 0.00 |
| 171 | 15.400 | 32.64 | 0.0 | 0.0 | 0.0 | 5.92 | 30.05 | 0.00 | 30.05 | 0.00 | 2.44 | 0.10 | 0.00 | 2.55 | 0.00 | 104.1 | 0.0 | 0. | 0.00 |
| 172 | 15.300 | 32.63 | 0.0 | 0.0 | 0.0 | 5.89 | 30.29 | 0.00 | 30.29 | 0.00 | 2.45 | 0.10 | 0.00 | 2.55 | 0.00 | 104.2 | 0.0 | 0. | 0.00 |
| 173 | 15.200 | 32.63 | 0.0 | 0.0 | 0.0 | 5.85 | 30.52 | 0.00 | 30.52 | 0.00 | 2.45 | 0.11 | 0.00 | 2.56 | 0.00 | 104.3 | 0.0 | 0. | 0.00 |
| 174 | 15.100 | 32.62 | 0.0 | 0.0 | 0.0 | 5.81 | 30.75 | 0.00 | 30.75 | 0.00 | 2.46 | 0.11 | 0.00 | 2.56 | 0.00 | 104.4 | 0.0 | 0. | 0.00 |
| 175 | 15.000 | 32.62 | 0.0 | 0.0 | 0.0 | 5.77 | 30.98 | 0.00 | 30.98 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 104.5 | 0.0 | 0. | 0.00 |
| 176 | 14.900 | 32.62 | 0.0 | 0.0 | 0.0 | 5.73 | 31.21 | 0.00 | 31.21 | 0.00 | 2.47 | 0.11 | 0.00 | 2.57 | 0.00 | 104.6 | 0.0 | 0. | 0.00 |
| 177 | 14.800 | 32.61 | 0.0 | 0.0 | 0.0 | 5.69 | 31.43 | 0.00 | 31.43 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 104.7 | 0.0 | 0. | 0.00 |
| 178 | 14.700 | 32.61 | 0.0 | 0.0 | 0.0 | 5.65 | 31.66 | 0.00 | 31.66 | 0.00 | 2.48 | 0.11 | 0.00 | 2.58 | 0.00 | 104.8 | 0.0 | 0. | 0.00 |
| 179 | 14.600 | 32.60 | 0.0 | 0.0 | 0.0 | 5.61 | 31.88 | 0.00 | 31.88 | 0.00 | 2.48 | 0.11 | 0.00 | 2.59 | 0.00 | 104.9 | 0.0 | 0. | 0.00 |
| 180 | 14.500 | 32.60 | 0.0 | 0.0 | 0.0 | 5.56 | 32.09 | 0.00 | 32.09 | 0.00 | 2.49 | 0.11 | 0.00 | 2.59 | 0.00 | 105.0 | 0.0 | 0. | 0.00 |
| 181 | 14.400 | 32.60 | 0.0 | 0.0 | 0.0 | 5.49 | 31.48 | 0.00 | 31.48 | 0.00 | 2.48 | 0.11 | 0.00 | 2.59 | 0.00 | 104.5 | 0.0 | 0. | 0.00 |
| 182 | 14.300 | 32.60 | 0.0 | 0.0 | 0.0 | 5.43 | 30.90 | 0.00 | 30.90 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 104.1 | 0.0 | 0. | 0.00 |
| 183 | 14.200 | 32.60 | 0.0 | 0.0 | 0.0 | 5.38 | 30.33 | 0.00 | 30.33 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 103.6 | 0.0 | 0. | 0.00 |
| 184 | 14.100 | 32.60 | 0.0 | 0.0 | 0.0 | 5.35 | 29.78 | 0.00 | 29.78 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 103.1 | 0.0 | 0. | 0.00 |
| 185 | 14.000 | 32.60 | 0.0 | 0.0 | 0.0 | 5.34 | 29.25 | 0.00 | 29.25 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 102.6 | 0.0 | 0. | 0.00 |
| 186 | 13.900 | 32.59 | 0.0 | 0.0 | 0.0 | 5.33 | 28.74 | 0.00 | 28.74 | 0.00 | 2.45 | 0.11 | 0.00 | 2.56 | 0.00 | 102.2 | 0.0 | 0. | 0.00 |
| 187 | 13.800 | 32.59 | 0.0 | 0.0 | 0.0 | 5.34 | 28.24 | 0.00 | 28.24 | 0.00 | 2.44 | 0.11 | 0.00 | 2.55 | 0.00 | 101.7 | 0.0 | 0. | 0.00 |
| 188 | 13.700 | 32.59 | 0.0 | 0.0 | 0.0 | 5.35 | 27.75 | 0.00 | 27.75 | 0.00 | 2.44 | 0.11 | 0.00 | 2.55 | 0.00 | 101.2 | 0.0 | 0. | 0.00 |
| 189 | 13.600 | 32.59 | 0.0 | 0.0 | 0.0 | 5.37 | 27.29 | 0.00 | 27.29 | 0.00 | 2.43 | 0.11 | 0.00 | 2.54 | 0.00 | 100.7 | 0.0 | 0. | 0.00 |
| 190 | 13.500 | 32.59 | 0.0 | 0.0 | 0.0 | 5.41 | 26.83 | 0.00 | 26.83 | 0.00 | 2.42 | 0.11 | 0.00 | 2.54 | 0.00 | 100.3 | 0.0 | 0. | 0.00 |
| 191 | 13.400 | 32.59 | 0.0 | 0.0 | 0.0 | 5.45 | 26.39 | 0.00 | 26.39 | 0.00 | 2.42 | 0.11 | 0.00 | 2.53 | 0.00 | 99.8 | 0.0 | 0. | 0.00 |
| 192 | 13.300 | 32.59 | 0.0 | 0.0 | 0.0 | 5.49 | 25.96 | 0.00 | 25.96 | 0.00 | 2.41 | 0.12 | 0.00 | 2.53 | 0.00 | 99.3 | 0.0 | 0. | 0.00 |
| 193 | 13.200 | 32.59 | 0.0 | 0.0 | 0.0 | 5.54 | 25.55 | 0.00 | 25.55 | 0.00 | 2.40 | 0.12 | 0.00 | 2.52 | 0.00 | 98.8 | 0.0 | 0. | 0.00 |
| 194 | 13.100 | 32.59 | 0.0 | 0.0 | 0.0 | 5.60 | 25.15 | 0.00 | 25.15 | 0.00 | 2.40 | 0.12 | 0.00 | 2.51 | 0.00 | 98.4 | 0.0 | 0. | 0.00 |
| 195 | 13.000 | 32.59 | 0.0 | 0.0 | 0.0 | 5.66 | 24.76 | 0.00 | 24.76 | 0.00 | 2.39 | 0.12 | 0.00 | 2.51 | 0.00 | 97.9 | 0.0 | 0. | 0.00 |
| 196 | 12.900 | 32.59 | 0.0 | 0.0 | 0.0 | 5.72 | 24.38 | 0.00 | 24.38 | 0.00 | 2.38 | 0.12 | 0.00 | 2.50 | 0.00 | 97.4 | 0.0 | 0. | 0.00 |
| 197 | 12.800 | 32.59 | 0.0 | 0.0 | 0.0 | 5.79 | 24.02 | 0.00 | 24.02 | 0.00 | 2.38 | 0.12 | 0.00 | 2.49 | 0.00 | 96.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 198 | 12.700 | 32.58 | 0.0 | 0.0 | 0.0 | 5.86 | 23.66 | 0.00 | 23.66 | 0.00 | 2.37 | 0.12 | 0.00 | 2.49 | 0.00 | 96.5 | 0.0 | 0. | 0.00 |
| 199 | 12.600 | 32.58 | 0.0 | 0.0 | 0.0 | 5.94 | 23.32 | 0.00 | 23.32 | 0.00 | 2.37 | 0.12 | 0.00 | 2.48 | 0.00 | 96.0 | 0.0 | 0. | 0.00 |
| 200 | 12.500 | 32.58 | 0.0 | 0.0 | 0.0 | 6.01 | 22.99 | 0.00 | 22.99 | 0.00 | 2.36 | 0.12 | 0.00 | 2.48 | 0.00 | 95.5 | 0.0 | 0. | 0.00 |
| 201 | 12.400 | 32.58 | 0.0 | 0.0 | 0.0 | 6.09 | 22.67 | 0.00 | 22.67 | 0.00 | 2.35 | 0.12 | 0.00 | 2.47 | 0.00 | 95.0 | 0.0 | 0. | 0.00 |
| 202 | 12.300 | 32.58 | 0.0 | 0.0 | 0.0 | 6.17 | 22.35 | 0.00 | 22.35 | 0.00 | 2.35 | 0.12 | 0.00 | 2.46 | 0.00 | 94.6 | 0.0 | 0. | 0.00 |
| 203 | 12.200 | 32.58 | 0.0 | 0.0 | 0.0 | 6.25 | 22.05 | 0.00 | 22.05 | 0.00 | 2.34 | 0.12 | 0.00 | 2.46 | 0.00 | 94.1 | 0.0 | 0. | 0.00 |
| 204 | 12.100 | 32.58 | 0.0 | 0.0 | 0.0 | 6.33 | 21.76 | 0.00 | 21.76 | 0.00 | 2.33 | 0.12 | 0.00 | 2.45 | 0.00 | 93.6 | 0.0 | 0. | 0.00 |
| 205 | 12.000 | 32.58 | 0.0 | 0.0 | 0.0 | 6.41 | 21.47 | 0.00 | 21.47 | 0.00 | 2.33 | 0.12 | 0.00 | 2.44 | 0.00 | 93.1 | 0.0 | 0. | 0.00 |
| 206 | 11.900 | 32.58 | 0.0 | 0.0 | 0.0 | 6.49 | 21.20 | 0.00 | 21.20 | 0.00 | 2.32 | 0.12 | 0.00 | 2.44 | 0.00 | 92.7 | 0.0 | 0. | 0.00 |
| 207 | 11.800 | 32.58 | 0.0 | 0.0 | 0.0 | 6.57 | 20.93 | 0.00 | 20.93 | 0.00 | 2.32 | 0.12 | 0.00 | 2.43 | 0.00 | 92.2 | 0.0 | 0. | 0.00 |
| 208 | 11.700 | 32.58 | 0.0 | 0.0 | 0.0 | 6.65 | 20.67 | 0.00 | 20.67 | 0.00 | 2.31 | 0.12 | 0.00 | 2.43 | 0.00 | 91.7 | 0.0 | 0. | 0.00 |
| 209 | 11.600 | 32.58 | 0.0 | 0.0 | 0.0 | 6.73 | 20.42 | 0.00 | 20.42 | 0.00 | 2.30 | 0.12 | 0.00 | 2.42 | 0.00 | 91.2 | 0.0 | 0. | 0.00 |
| 210 | 11.500 | 32.57 | 0.0 | 0.0 | 0.0 | 6.81 | 20.18 | 0.00 | 20.18 | 0.00 | 2.30 | 0.12 | 0.00 | 2.41 | 0.00 | 90.8 | 0.0 | 0. | 0.00 |
| 211 | 11.400 | 32.57 | 0.0 | 0.0 | 0.0 | 6.88 | 19.94 | 0.00 | 19.94 | 0.00 | 2.29 | 0.11 | 0.00 | 2.41 | 0.00 | 90.3 | 0.0 | 0. | 0.00 |
| 212 | 11.300 | 32.57 | 0.0 | 0.0 | 0.0 | 6.96 | 19.71 | 0.00 | 19.71 | 0.00 | 2.29 | 0.11 | 0.00 | 2.40 | 0.00 | 89.8 | 0.0 | 0. | 0.00 |
| 213 | 11.200 | 32.57 | 0.0 | 0.0 | 0.0 | 7.04 | 19.49 | 0.00 | 19.49 | 0.00 | 2.28 | 0.11 | 0.00 | 2.39 | 0.00 | 89.4 | 0.0 | 0. | 0.00 |
| 214 | 11.100 | 32.57 | 0.0 | 0.0 | 0.0 | 7.11 | 19.28 | 0.00 | 19.28 | 0.00 | 2.27 | 0.11 | 0.00 | 2.39 | 0.00 | 88.9 | 0.0 | 0. | 0.00 |
| 215 | 11.000 | 32.57 | 0.0 | 0.0 | 0.0 | 7.18 | 19.07 | 0.00 | 19.07 | 0.00 | 2.27 | 0.11 | 0.00 | 2.38 | 0.00 | 88.4 | 0.0 | 0. | 0.00 |
| 216 | 10.900 | 32.57 | 0.0 | 0.0 | 0.0 | 7.25 | 18.87 | 0.00 | 18.87 | 0.00 | 2.26 | 0.11 | 0.00 | 2.38 | 0.00 | 87.9 | 0.0 | 0. | 0.00 |
| 217 | 10.800 | 32.57 | 0.0 | 0.0 | 0.0 | 7.32 | 18.67 | 0.00 | 18.67 | 0.00 | 2.26 | 0.11 | 0.00 | 2.37 | 0.00 | 87.5 | 0.0 | 0. | 0.00 |
| 218 | 10.700 | 32.57 | 0.0 | 0.0 | 0.0 | 7.38 | 18.48 | 0.00 | 18.48 | 0.00 | 2.25 | 0.11 | 0.00 | 2.36 | 0.00 | 87.0 | 0.0 | 0. | 0.00 |
| 219 | 10.600 | 32.57 | 0.0 | 0.0 | 0.0 | 7.45 | 18.30 | 0.00 | 18.30 | 0.00 | 2.24 | 0.11 | 0.00 | 2.36 | 0.00 | 86.5 | 0.0 | 0. | 0.00 |
| 220 | 10.500 | 32.57 | 0.0 | 0.0 | 0.0 | 7.51 | 18.12 | 0.00 | 18.12 | 0.00 | 2.24 | 0.11 | 0.00 | 2.35 | 0.00 | 86.0 | 0.0 | 0. | 0.00 |
| 221 | 10.400 | 32.56 | 0.0 | 0.0 | 0.0 | 7.57 | 17.95 | 0.00 | 17.95 | 0.00 | 2.23 | 0.11 | 0.00 | 2.34 | 0.00 | 85.6 | 0.0 | 0. | 0.00 |
| 222 | 10.300 | 32.56 | 0.0 | 0.0 | 0.0 | 7.63 | 17.78 | 0.00 | 17.78 | 0.00 | 2.23 | 0.11 | 0.00 | 2.34 | 0.00 | 85.1 | 0.0 | 0. | 0.00 |
| 223 | 10.200 | 32.56 | 0.0 | 0.0 | 0.0 | 7.69 | 17.62 | 0.00 | 17.62 | 0.00 | 2.22 | 0.11 | 0.00 | 2.33 | 0.00 | 84.6 | 0.0 | 0. | 0.00 |
| 224 | 10.100 | 32.56 | 0.0 | 0.0 | 0.0 | 7.74 | 17.46 | 0.00 | 17.46 | 0.00 | 2.22 | 0.11 | 0.00 | 2.33 | 0.00 | 84.1 | 0.0 | 0. | 0.00 |
| 225 | 10.000 | 32.56 | 0.0 | 0.0 | 0.0 | 7.79 | 17.31 | 0.00 | 17.31 | 0.00 | 2.21 | 0.11 | 0.00 | 2.32 | 0.00 | 83.7 | 0.0 | 0. | 0.00 |
| 226 | 9.900 | 32.56 | 0.0 | 0.0 | 0.0 | 7.84 | 17.16 | 0.00 | 17.16 | 0.00 | 2.20 | 0.11 | 0.00 | 2.31 | 0.00 | 83.2 | 0.0 | 0. | 0.00 |
| 227 | 9.800 | 32.56 | 0.0 | 0.0 | 0.0 | 7.88 | 17.02 | 0.00 | 17.02 | 0.00 | 2.20 | 0.11 | 0.00 | 2.31 | 0.00 | 82.7 | 0.0 | 0. | 0.00 |
| 228 | 9.700 | 32.56 | 0.0 | 0.0 | 0.0 | 7.93 | 16.88 | 0.00 | 16.88 | 0.00 | 2.19 | 0.11 | 0.00 | 2.30 | 0.00 | 82.2 | 0.0 | 0. | 0.00 |
| 229 | 9.600 | 32.56 | 0.0 | 0.0 | 0.0 | 7.97 | 16.75 | 0.00 | 16.75 | 0.00 | 2.19 | 0.11 | 0.00 | 2.30 | 0.00 | 81.8 | 0.0 | 0. | 0.00 |
| 230 | 9.500 | 32.56 | 0.0 | 0.0 | 0.0 | 8.01 | 16.62 | 0.00 | 16.62 | 0.00 | 2.18 | 0.11 | 0.00 | 2.29 | 0.00 | 81.3 | 0.0 | 0. | 0.00 |
| 231 | 9.400 | 32.56 | 0.0 | 0.0 | 0.0 | 8.05 | 16.49 | 0.00 | 16.49 | 0.00 | 2.18 | 0.11 | 0.00 | 2.28 | 0.00 | 80.8 | 0.0 | 0. | 0.00 |
| 232 | 9.300 | 32.56 | 0.0 | 0.0 | 0.0 | 8.08 | 16.37 | 0.00 | 16.37 | 0.00 | 2.17 | 0.11 | 0.00 | 2.28 | 0.00 | 80.3 | 0.0 | 0. | 0.00 |
| 233 | 9.200 | 32.55 | 0.0 | 0.0 | 0.0 | 8.11 | 16.25 | 0.00 | 16.25 | 0.00 | 2.16 | 0.11 | 0.00 | 2.27 | 0.00 | 79.9 | 0.0 | 0. | 0.00 |
| 234 | 9.100 | 32.55 | 0.0 | 0.0 | 0.0 | 8.14 | 16.13 | 0.00 | 16.13 | 0.00 | 2.16 | 0.11 | 0.00 | 2.27 | 0.00 | 79.4 | 0.0 | 0. | 0.00 |
| 235 | 9.000 | 32.55 | 0.0 | 0.0 | 0.0 | 8.17 | 16.02 | 0.00 | 16.02 | 0.00 | 2.15 | 0.11 | 0.00 | 2.26 | 0.00 | 78.9 | 0.0 | 0. | 0.00 |
| 236 | 8.900 | 32.55 | 0.0 | 0.0 | 0.0 | 8.19 | 15.91 | 0.00 | 15.91 | 0.00 | 2.15 | 0.11 | 0.00 | 2.25 | 0.00 | 78.4 | 0.0 | 0. | 0.00 |
| 237 | 8.800 | 32.55 | 0.0 | 0.0 | 0.0 | 8.22 | 15.81 | 0.00 | 15.81 | 0.00 | 2.14 | 0.11 | 0.00 | 2.25 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 238 | 8.700 | 32.55 | 0.0 | 0.0 | 0.0 | 8.24 | 15.71 | 0.00 | 15.71 | 0.00 | 2.14 | 0.11 | 0.00 | 2.24 | 0.00 | 77.5 | 0.0 | 0. | 0.00 |
| 239 | 8.600 | 32.55 | 0.0 | 0.0 | 0.0 | 8.25 | 15.61 | 0.00 | 15.61 | 0.00 | 2.13 | 0.11 | 0.00 | 2.24 | 0.00 | 77.0 | 0.0 | 0. | 0.00 |
| 240 | 8.500 | 32.55 | 0.0 | 0.0 | 0.0 | 8.27 | 15.52 | 0.00 | 15.52 | 0.00 | 2.12 | 0.11 | 0.00 | 2.23 | 0.00 | 76.6 | 0.0 | 0. | 0.00 |
| 241 | 8.400 | 32.55 | 0.0 | 0.0 | 0.0 | 8.28 | 15.42 | 0.00 | 15.42 | 0.00 | 2.12 | 0.11 | 0.00 | 2.22 | 0.00 | 76.1 | 0.0 | 0. | 0.00 |
| 242 | 8.300 | 32.55 | 0.0 | 0.0 | 0.0 | 8.29 | 15.33 | 0.00 | 15.33 | 0.00 | 2.11 | 0.11 | 0.00 | 2.22 | 0.00 | 75.6 | 0.0 | 0. | 0.00 |
| 243 | 8.200 | 32.55 | 0.0 | 0.0 | 0.0 | 8.30 | 15.25 | 0.00 | 15.25 | 0.00 | 2.11 | 0.10 | 0.00 | 2.21 | 0.00 | 75.1 | 0.0 | 0. | 0.00 |
| 244 | 8.100 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 15.16 | 0.00 | 15.16 | 0.00 | 2.10 | 0.10 | 0.00 | 2.21 | 0.00 | 74.7 | 0.0 | 0. | 0.00 |
| 245 | 8.000 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 15.08 | 0.00 | 15.08 | 0.00 | 2.10 | 0.10 | 0.00 | 2.20 | 0.00 | 74.2 | 0.0 | 0. | 0.00 |
| 246 | 7.900 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 15.00 | 0.00 | 15.00 | 0.00 | 2.09 | 0.10 | 0.00 | 2.20 | 0.00 | 73.7 | 0.0 | 0. | 0.00 |
| 247 | 7.800 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 14.93 | 0.00 | 14.93 | 0.00 | 2.09 | 0.10 | 0.00 | 2.19 | 0.00 | 73.2 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 248 | 7.700 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 14.85 | 0.00 | 14.85 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 72.8 | 0.0 | 0. 0.00 |
| 249 | 7.600 | 32.54 | 0.0 | 0.0 | 0.0 | 8.31 | 14.78 | 0.00 | 14.78 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 72.3 | 0.0 | 0. 0.00 |
| 250 | 7.500 | 32.54 | 0.0 | 0.0 | 0.0 | 8.30 | 14.71 | 0.00 | 14.71 | 0.00 | 2.07 | 0.10 | 0.00 | 2.17 | 0.00 | 71.8 | 0.0 | 0. 0.00 |
| 251 | 7.400 | 32.54 | 0.0 | 0.0 | 0.0 | 8.29 | 14.64 | 0.00 | 14.64 | 0.00 | 2.06 | 0.10 | 0.00 | 2.17 | 0.00 | 71.3 | 0.0 | 0. 0.00 |
| 252 | 7.300 | 32.54 | 0.0 | 0.0 | 0.0 | 8.28 | 14.58 | 0.00 | 14.58 | 0.00 | 2.06 | 0.10 | 0.00 | 2.16 | 0.00 | 70.9 | 0.0 | 0. 0.00 |
| 253 | 7.200 | 32.54 | 0.0 | 0.0 | 0.0 | 8.27 | 14.52 | 0.00 | 14.52 | 0.00 | 2.05 | 0.10 | 0.00 | 2.16 | 0.00 | 70.4 | 0.0 | 0. 0.00 |
| 254 | 7.100 | 32.54 | 0.0 | 0.0 | 0.0 | 8.25 | 14.45 | 0.00 | 14.45 | 0.00 | 2.05 | 0.10 | 0.00 | 2.15 | 0.00 | 69.9 | 0.0 | 0. 0.00 |
| 255 | 7.000 | 32.54 | 0.0 | 0.0 | 0.0 | 8.23 | 14.39 | 0.00 | 14.39 | 0.00 | 2.04 | 0.10 | 0.00 | 2.14 | 0.00 | 69.4 | 0.0 | 0. 0.00 |
| 256 | 6.900 | 32.53 | 0.0 | 0.0 | 0.0 | 8.22 | 14.34 | 0.00 | 14.34 | 0.00 | 2.04 | 0.10 | 0.00 | 2.14 | 0.00 | 69.0 | 0.0 | 0. 0.00 |
| 257 | 6.800 | 32.53 | 0.0 | 0.0 | 0.0 | 8.20 | 14.28 | 0.00 | 14.28 | 0.00 | 2.03 | 0.10 | 0.00 | 2.13 | 0.00 | 68.5 | 0.0 | 0. 0.00 |
| 258 | 6.700 | 32.53 | 0.0 | 0.0 | 0.0 | 8.17 | 14.23 | 0.00 | 14.23 | 0.00 | 2.03 | 0.10 | 0.00 | 2.13 | 0.00 | 68.0 | 0.0 | 0. 0.00 |
| 259 | 6.600 | 32.53 | 0.0 | 0.0 | 0.0 | 8.15 | 14.17 | 0.00 | 14.17 | 0.00 | 2.02 | 0.10 | 0.00 | 2.12 | 0.00 | 67.5 | 0.0 | 0. 0.00 |
| 260 | 6.500 | 32.53 | 0.0 | 0.0 | 0.0 | 8.12 | 14.12 | 0.00 | 14.12 | 0.00 | 2.02 | 0.10 | 0.00 | 2.12 | 0.00 | 67.1 | 0.0 | 0. 0.00 |
| 261 | 6.400 | 32.53 | 0.0 | 0.0 | 0.0 | 8.10 | 14.07 | 0.00 | 14.07 | 0.00 | 2.01 | 0.10 | 0.00 | 2.11 | 0.00 | 66.6 | 0.0 | 0. 0.00 |
| 262 | 6.300 | 32.53 | 0.0 | 0.0 | 0.0 | 8.07 | 14.03 | 0.00 | 14.03 | 0.00 | 2.01 | 0.10 | 0.00 | 2.11 | 0.00 | 66.1 | 0.0 | 0. 0.00 |
| 263 | 6.200 | 32.53 | 0.0 | 0.0 | 0.0 | 8.04 | 13.98 | 0.00 | 13.98 | 0.00 | 2.00 | 0.10 | 0.00 | 2.10 | 0.00 | 65.6 | 0.0 | 0. 0.00 |
| 264 | 6.100 | 32.53 | 0.0 | 0.0 | 0.0 | 8.00 | 13.94 | 0.00 | 13.94 | 0.00 | 2.00 | 0.10 | 0.00 | 2.10 | 0.00 | 65.2 | 0.0 | 0. 0.00 |
| 265 | 6.000 | 32.53 | 0.0 | 0.0 | 0.0 | 7.97 | 13.89 | 0.00 | 13.89 | 0.00 | 1.99 | 0.10 | 0.00 | 2.09 | 0.00 | 64.7 | 0.0 | 0. 0.00 |
| 266 | 5.900 | 32.53 | 0.0 | 0.0 | 0.0 | 7.93 | 13.85 | 0.00 | 13.85 | 0.00 | 1.99 | 0.10 | 0.00 | 2.08 | 0.00 | 64.2 | 0.0 | 0. 0.00 |
| 267 | 5.800 | 32.53 | 0.0 | 0.0 | 0.0 | 7.90 | 13.81 | 0.00 | 13.81 | 0.00 | 1.98 | 0.10 | 0.00 | 2.08 | 0.00 | 63.8 | 0.0 | 0. 0.00 |
| 268 | 5.700 | 32.52 | 0.0 | 0.0 | 0.0 | 7.86 | 13.77 | 0.00 | 13.77 | 0.00 | 1.98 | 0.10 | 0.00 | 2.07 | 0.00 | 63.3 | 0.0 | 0. 0.00 |
| 269 | 5.600 | 32.52 | 0.0 | 0.0 | 0.0 | 7.82 | 13.73 | 0.00 | 13.73 | 0.00 | 1.97 | 0.10 | 0.00 | 2.07 | 0.00 | 62.8 | 0.0 | 0. 0.00 |
| 270 | 5.500 | 32.52 | 0.0 | 0.0 | 0.0 | 7.78 | 13.69 | 0.00 | 13.69 | 0.00 | 1.96 | 0.10 | 0.00 | 2.06 | 0.00 | 62.3 | 0.0 | 0. 0.00 |
| 271 | 5.400 | 32.52 | 0.0 | 0.0 | 0.0 | 7.74 | 13.66 | 0.00 | 13.66 | 0.00 | 1.96 | 0.10 | 0.00 | 2.06 | 0.00 | 61.9 | 0.0 | 0. 0.00 |
| 272 | 5.300 | 32.52 | 0.0 | 0.0 | 0.0 | 7.69 | 13.62 | 0.00 | 13.62 | 0.00 | 1.95 | 0.10 | 0.00 | 2.05 | 0.00 | 61.4 | 0.0 | 0. 0.00 |
| 273 | 5.200 | 32.52 | 0.0 | 0.0 | 0.0 | 7.65 | 13.59 | 0.00 | 13.59 | 0.00 | 1.95 | 0.10 | 0.00 | 2.05 | 0.00 | 60.9 | 0.0 | 0. 0.00 |
| 274 | 5.100 | 32.52 | 0.0 | 0.0 | 0.0 | 7.60 | 13.56 | 0.00 | 13.56 | 0.00 | 1.94 | 0.10 | 0.00 | 2.04 | 0.00 | 60.4 | 0.0 | 0. 0.00 |
| 275 | 5.000 | 32.52 | 0.0 | 0.0 | 0.0 | 7.55 | 13.53 | 0.00 | 13.53 | 0.00 | 1.94 | 0.10 | 0.00 | 2.04 | 0.00 | 60.0 | 0.0 | 0. 0.00 |
| 276 | 4.900 | 32.52 | 0.0 | 0.0 | 0.0 | 7.50 | 13.50 | 0.00 | 13.50 | 0.00 | 1.93 | 0.10 | 0.00 | 2.03 | 0.00 | 59.5 | 0.0 | 0. 0.00 |
| 277 | 4.800 | 32.52 | 0.0 | 0.0 | 0.0 | 7.45 | 13.47 | 0.00 | 13.47 | 0.00 | 1.93 | 0.10 | 0.00 | 2.03 | 0.00 | 59.0 | 0.0 | 0. 0.00 |
| 278 | 4.700 | 32.52 | 0.0 | 0.0 | 0.0 | 7.40 | 13.44 | 0.00 | 13.44 | 0.00 | 1.92 | 0.10 | 0.00 | 2.02 | 0.00 | 58.5 | 0.0 | 0. 0.00 |
| 279 | 4.600 | 32.51 | 0.0 | 0.0 | 0.0 | 7.35 | 13.41 | 0.00 | 13.41 | 0.00 | 1.92 | 0.10 | 0.00 | 2.02 | 0.00 | 58.1 | 0.0 | 0. 0.00 |
| 280 | 4.500 | 32.51 | 0.0 | 0.0 | 0.0 | 7.30 | 13.38 | 0.00 | 13.38 | 0.00 | 1.91 | 0.10 | 0.00 | 2.01 | 0.00 | 57.6 | 0.0 | 0. 0.00 |
| 281 | 4.400 | 32.51 | 0.0 | 0.0 | 0.0 | 7.24 | 13.36 | 0.00 | 13.36 | 0.00 | 1.91 | 0.10 | 0.00 | 2.01 | 0.00 | 57.1 | 0.0 | 0. 0.00 |
| 282 | 4.300 | 32.51 | 0.0 | 0.0 | 0.0 | 7.19 | 13.33 | 0.00 | 13.33 | 0.00 | 1.90 | 0.10 | 0.00 | 2.00 | 0.00 | 56.6 | 0.0 | 0. 0.00 |
| 283 | 4.200 | 32.51 | 0.0 | 0.0 | 0.0 | 7.13 | 13.31 | 0.00 | 13.31 | 0.00 | 1.90 | 0.10 | 0.00 | 2.00 | 0.00 | 56.2 | 0.0 | 0. 0.00 |
| 284 | 4.100 | 32.51 | 0.0 | 0.0 | 0.0 | 7.07 | 13.28 | 0.00 | 13.28 | 0.00 | 1.90 | 0.09 | 0.00 | 1.99 | 0.00 | 55.7 | 0.0 | 0. 0.00 |
| 285 | 4.000 | 32.51 | 0.0 | 0.0 | 0.0 | 7.01 | 13.26 | 0.00 | 13.26 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 55.2 | 0.0 | 0. 0.00 |
| 286 | 3.900 | 32.51 | 0.0 | 0.0 | 0.0 | 6.95 | 13.24 | 0.00 | 13.24 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 54.7 | 0.0 | 0. 0.00 |
| 287 | 3.800 | 32.51 | 0.0 | 0.0 | 0.0 | 6.89 | 13.21 | 0.00 | 13.21 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 54.3 | 0.0 | 0. 0.00 |
| 288 | 3.700 | 32.51 | 0.0 | 0.0 | 0.0 | 6.83 | 13.19 | 0.00 | 13.19 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 53.8 | 0.0 | 0. 0.00 |
| 289 | 3.600 | 32.51 | 0.0 | 0.0 | 0.0 | 6.77 | 13.17 | 0.00 | 13.17 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 53.3 | 0.0 | 0. 0.00 |
| 290 | 3.500 | 32.51 | 0.0 | 0.0 | 0.0 | 6.71 | 13.15 | 0.00 | 13.15 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 52.8 | 0.0 | 0. 0.00 |
| 291 | 3.400 | 32.50 | 0.0 | 0.0 | 0.0 | 6.64 | 13.13 | 0.00 | 13.13 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 52.4 | 0.0 | 0. 0.00 |
| 292 | 3.300 | 32.50 | 0.0 | 0.0 | 0.0 | 6.58 | 13.12 | 0.00 | 13.12 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 51.9 | 0.0 | 0. 0.00 |
| 293 | 3.200 | 32.50 | 0.0 | 0.0 | 0.0 | 6.51 | 13.10 | 0.00 | 13.10 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 51.4 | 0.0 | 0. 0.00 |
| 294 | 3.100 | 32.50 | 0.0 | 0.0 | 0.0 | 6.44 | 13.08 | 0.00 | 13.08 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 50.9 | 0.0 | 0. 0.00 |
| 295 | 3.000 | 32.50 | 0.0 | 0.0 | 0.0 | 6.38 | 13.06 | 0.00 | 13.06 | 0.00 | 1.84 | 0.09 | 0.00 | 1.94 | 0.00 | 50.5 | 0.0 | 0. 0.00 |
| 296 | 2.900 | 32.50 | 0.0 | 0.0 | 0.0 | 6.31 | 13.05 | 0.00 | 13.05 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. 0.00 |
| 297 | 2.800 | 32.50 | 0.0 | 0.0 | 0.0 | 6.27 | 13.03 | 0.00 | 13.03 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 298 | 2.700 | 32.50 | 0.0 | 0.0 | 0.0 | 6.23 | 13.02 | 0.00 | 13.02 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 299 | 2.600 | 32.50 | 0.0 | 0.0 | 0.0 | 6.19 | 13.00 | 0.00 | 13.00 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 300 | 2.500 | 32.50 | 0.0 | 0.0 | 0.0 | 6.15 | 12.98 | 0.00 | 12.98 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 301 | 2.400 | 32.50 | 0.0 | 0.0 | 0.0 | 6.12 | 12.97 | 0.00 | 12.97 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 302 | 2.300 | 32.50 | 0.0 | 0.0 | 0.0 | 6.08 | 12.95 | 0.00 | 12.95 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 303 | 2.200 | 32.50 | 0.0 | 0.0 | 0.0 | 6.04 | 12.94 | 0.00 | 12.94 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 304 | 2.100 | 32.50 | 0.0 | 0.0 | 0.0 | 6.00 | 12.92 | 0.00 | 12.92 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 305 | 2.000 | 32.50 | 0.0 | 0.0 | 0.0 | 5.97 | 12.91 | 0.00 | 12.91 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 306 | 1.900 | 32.50 | 0.0 | 0.0 | 0.0 | 5.93 | 12.89 | 0.00 | 12.89 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 307 | 1.800 | 32.50 | 0.0 | 0.0 | 0.0 | 5.90 | 12.88 | 0.00 | 12.88 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 308 | 1.700 | 32.50 | 0.0 | 0.0 | 0.0 | 5.86 | 12.86 | 0.00 | 12.86 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 309 | 1.600 | 32.50 | 0.0 | 0.0 | 0.0 | 5.83 | 12.85 | 0.00 | 12.85 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 310 | 1.500 | 32.50 | 0.0 | 0.0 | 0.0 | 5.80 | 12.83 | 0.00 | 12.83 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 311 | 1.400 | 32.50 | 0.0 | 0.0 | 0.0 | 5.76 | 12.82 | 0.00 | 12.82 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 312 | 1.300 | 32.50 | 0.0 | 0.0 | 0.0 | 5.73 | 12.80 | 0.00 | 12.80 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 313 | 1.200 | 32.50 | 0.0 | 0.0 | 0.0 | 5.70 | 12.79 | 0.00 | 12.79 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 314 | 1.100 | 32.50 | 0.0 | 0.0 | 0.0 | 5.66 | 12.78 | 0.00 | 12.78 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 315 | 1.000 | 32.50 | 0.0 | 0.0 | 0.0 | 5.63 | 12.76 | 0.00 | 12.76 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 316 | 0.900 | 32.50 | 0.0 | 0.0 | 0.0 | 5.60 | 12.75 | 0.00 | 12.75 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 317 | 0.800 | 32.50 | 0.0 | 0.0 | 0.0 | 5.57 | 12.73 | 0.00 | 12.73 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 318 | 0.700 | 32.50 | 0.0 | 0.0 | 0.0 | 5.54 | 12.72 | 0.00 | 12.72 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 319 | 0.600 | 32.50 | 0.0 | 0.0 | 0.0 | 5.51 | 12.71 | 0.00 | 12.71 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 320 | 0.500 | 32.50 | 0.0 | 0.0 | 0.0 | 5.48 | 12.69 | 0.00 | 12.69 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 321 | 0.400 | 32.50 | 0.0 | 0.0 | 0.0 | 5.45 | 12.68 | 0.00 | 12.68 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 322 | 0.300 | 32.50 | 0.0 | 0.0 | 0.0 | 5.42 | 12.67 | 0.00 | 12.67 | 0.00 | 1.81 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 323 | 0.200 | 32.50 | 0.0 | 0.0 | 0.0 | 5.39 | 12.65 | 0.00 | 12.65 | 0.00 | 1.81 | 0.09 | 0.00 | 1.91 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 324 | 0.100 | 32.50 | 0.0 | 0.0 | 0.0 | 5.36 | 12.64 | 0.00 | 12.64 | 0.00 | 1.81 | 0.09 | 0.00 | 1.90 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |
| 325 | 0.000 | 32.50 | 0.0 | 0.0 | 0.0 | 5.33 | 12.24 | 0.00 | 12.24 | 0.00 | 1.75 | 0.09 | 0.00 | 1.85 | 0.00 | 50.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Fourmile Bayou Oxbow
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 #/100mL | CHL A * | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.100 | 33.88 | 0.0 | 0.0 | 0.0 | 6.84 | 10.98 | 0.00 | 10.98 | 0.00 | 1.71 | 0.10 | 0.03 | 1.84 | 0.00 | 93.5 | 0.0 | 0. | 0.00 |
| 57 | 4.000 | 33.85 | 0.0 | 0.0 | 0.0 | 6.88 | 10.99 | 0.00 | 10.99 | 0.00 | 1.72 | 0.10 | 0.02 | 1.84 | 0.00 | 91.9 | 0.0 | 0. | 0.00 |
| 58 | 3.900 | 33.83 | 0.0 | 0.0 | 0.0 | 6.91 | 11.00 | 0.00 | 11.00 | 0.00 | 1.73 | 0.10 | 0.01 | 1.84 | 0.00 | 90.4 | 0.0 | 0. | 0.00 |
| 59 | 3.800 | 33.80 | 0.0 | 0.0 | 0.0 | 6.94 | 11.01 | 0.00 | 11.01 | 0.00 | 1.74 | 0.10 | 0.00 | 1.84 | 0.00 | 88.8 | 0.0 | 0. | 0.00 |
| 60 | 3.700 | 33.78 | 0.0 | 0.0 | 0.0 | 6.96 | 11.02 | 0.00 | 11.02 | 0.00 | 1.75 | 0.10 | 0.00 | 1.85 | 0.00 | 87.3 | 0.0 | 0. | 0.00 |
| 61 | 3.600 | 33.76 | 0.0 | 0.0 | 0.0 | 6.98 | 11.03 | 0.00 | 11.03 | 0.00 | 1.76 | 0.10 | 0.00 | 1.85 | 0.00 | 85.7 | 0.0 | 0. | 0.00 |
| 62 | 3.500 | 33.73 | 0.0 | 0.0 | 0.0 | 6.99 | 11.04 | 0.00 | 11.04 | 0.00 | 1.77 | 0.10 | 0.00 | 1.86 | 0.00 | 84.2 | 0.0 | 0. | 0.00 |
| 63 | 3.400 | 33.71 | 0.0 | 0.0 | 0.0 | 7.00 | 11.05 | 0.00 | 11.05 | 0.00 | 1.78 | 0.10 | 0.00 | 1.87 | 0.00 | 82.6 | 0.0 | 0. | 0.00 |
| 64 | 3.300 | 33.69 | 0.0 | 0.0 | 0.0 | 7.01 | 11.06 | 0.00 | 11.06 | 0.00 | 1.79 | 0.10 | 0.00 | 1.88 | 0.00 | 81.1 | 0.0 | 0. | 0.00 |
| 65 | 3.200 | 33.66 | 0.0 | 0.0 | 0.0 | 7.01 | 11.07 | 0.00 | 11.07 | 0.00 | 1.79 | 0.10 | 0.00 | 1.89 | 0.00 | 79.5 | 0.0 | 0. | 0.00 |
| 66 | 3.100 | 33.64 | 0.0 | 0.0 | 0.0 | 7.01 | 11.08 | 0.00 | 11.08 | 0.00 | 1.80 | 0.10 | 0.00 | 1.90 | 0.00 | 78.0 | 0.0 | 0. | 0.00 |
| 67 | 3.000 | 33.61 | 0.0 | 0.0 | 0.0 | 7.00 | 11.09 | 0.00 | 11.09 | 0.00 | 1.81 | 0.10 | 0.00 | 1.91 | 0.00 | 76.4 | 0.0 | 0. | 0.00 |
| 68 | 2.900 | 33.59 | 0.0 | 0.0 | 0.0 | 6.99 | 11.10 | 0.00 | 11.10 | 0.00 | 1.82 | 0.10 | 0.00 | 1.92 | 0.00 | 74.9 | 0.0 | 0. | 0.00 |
| 69 | 2.800 | 33.57 | 0.0 | 0.0 | 0.0 | 6.97 | 11.11 | 0.00 | 11.11 | 0.00 | 1.83 | 0.10 | 0.00 | 1.93 | 0.00 | 73.3 | 0.0 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 2.700 | 33.54 | 0.0 | 0.0 | 0.0 | 6.95 | 11.12 | 0.00 | 11.12 | 0.00 | 1.84 | 0.10 | 0.00 | 1.94 | 0.00 | 71.8 | 0.0 | 0. | 0.00 |
| 71 | 2.600 | 33.52 | 0.0 | 0.0 | 0.0 | 6.93 | 11.13 | 0.00 | 11.13 | 0.00 | 1.85 | 0.10 | 0.00 | 1.95 | 0.00 | 70.2 | 0.0 | 0. | 0.00 |
| 72 | 2.500 | 33.50 | 0.0 | 0.0 | 0.0 | 6.90 | 11.14 | 0.00 | 11.14 | 0.00 | 1.86 | 0.10 | 0.00 | 1.96 | 0.00 | 68.7 | 0.0 | 0. | 0.00 |
| 73 | 2.400 | 33.47 | 0.0 | 0.0 | 0.0 | 6.87 | 11.15 | 0.00 | 11.15 | 0.00 | 1.87 | 0.10 | 0.00 | 1.97 | 0.00 | 67.1 | 0.0 | 0. | 0.00 |
| 74 | 2.300 | 33.45 | 0.0 | 0.0 | 0.0 | 6.84 | 11.16 | 0.00 | 11.16 | 0.00 | 1.88 | 0.10 | 0.00 | 1.97 | 0.00 | 65.6 | 0.0 | 0. | 0.00 |
| 75 | 2.200 | 33.42 | 0.0 | 0.0 | 0.0 | 6.80 | 11.17 | 0.00 | 11.17 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 64.0 | 0.0 | 0. | 0.00 |
| 76 | 2.100 | 33.40 | 0.0 | 0.0 | 0.0 | 6.76 | 11.18 | 0.00 | 11.18 | 0.00 | 1.90 | 0.09 | 0.00 | 1.99 | 0.00 | 62.5 | 0.0 | 0. | 0.00 |
| 77 | 2.000 | 33.38 | 0.0 | 0.0 | 0.0 | 6.71 | 11.19 | 0.00 | 11.19 | 0.00 | 1.91 | 0.09 | 0.00 | 2.00 | 0.00 | 61.0 | 0.0 | 0. | 0.00 |
| 78 | 1.900 | 33.35 | 0.0 | 0.0 | 0.0 | 6.67 | 11.20 | 0.00 | 11.20 | 0.00 | 1.92 | 0.09 | 0.00 | 2.01 | 0.00 | 59.4 | 0.0 | 0. | 0.00 |
| 79 | 1.800 | 33.33 | 0.0 | 0.0 | 0.0 | 6.61 | 11.21 | 0.00 | 11.21 | 0.00 | 1.93 | 0.09 | 0.00 | 2.02 | 0.00 | 57.9 | 0.0 | 0. | 0.00 |
| 80 | 1.700 | 33.30 | 0.0 | 0.0 | 0.0 | 6.56 | 11.22 | 0.00 | 11.22 | 0.00 | 1.94 | 0.09 | 0.00 | 2.03 | 0.00 | 56.3 | 0.0 | 0. | 0.00 |
| 81 | 1.600 | 33.28 | 0.0 | 0.0 | 0.0 | 6.50 | 11.23 | 0.00 | 11.23 | 0.00 | 1.94 | 0.09 | 0.00 | 2.04 | 0.00 | 54.8 | 0.0 | 0. | 0.00 |
| 82 | 1.500 | 33.26 | 0.0 | 0.0 | 0.0 | 6.44 | 11.25 | 0.00 | 11.25 | 0.00 | 1.95 | 0.09 | 0.00 | 2.05 | 0.00 | 53.2 | 0.0 | 0. | 0.00 |
| 83 | 1.400 | 33.23 | 0.0 | 0.0 | 0.0 | 6.37 | 11.26 | 0.00 | 11.26 | 0.00 | 1.96 | 0.09 | 0.00 | 2.06 | 0.00 | 51.7 | 0.0 | 0. | 0.00 |
| 84 | 1.300 | 33.21 | 0.0 | 0.0 | 0.0 | 6.30 | 11.27 | 0.00 | 11.27 | 0.00 | 1.97 | 0.09 | 0.00 | 2.07 | 0.00 | 50.1 | 0.0 | 0. | 0.00 |
| 85 | 1.200 | 33.19 | 0.0 | 0.0 | 0.0 | 6.23 | 11.28 | 0.00 | 11.28 | 0.00 | 1.98 | 0.09 | 0.00 | 2.08 | 0.00 | 48.6 | 0.0 | 0. | 0.00 |
| 86 | 1.100 | 33.16 | 0.0 | 0.0 | 0.0 | 6.15 | 11.29 | 0.00 | 11.29 | 0.00 | 1.99 | 0.09 | 0.00 | 2.09 | 0.00 | 47.0 | 0.0 | 0. | 0.00 |
| 87 | 1.000 | 33.14 | 0.0 | 0.0 | 0.0 | 6.07 | 11.30 | 0.00 | 11.30 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 45.5 | 0.0 | 0. | 0.00 |
| 88 | 0.900 | 33.11 | 0.0 | 0.0 | 0.0 | 5.99 | 11.31 | 0.00 | 11.31 | 0.00 | 2.01 | 0.09 | 0.00 | 2.10 | 0.00 | 43.9 | 0.0 | 0. | 0.00 |
| 89 | 0.800 | 33.09 | 0.0 | 0.0 | 0.0 | 5.91 | 11.32 | 0.00 | 11.32 | 0.00 | 2.02 | 0.09 | 0.00 | 2.11 | 0.00 | 42.4 | 0.0 | 0. | 0.00 |
| 90 | 0.700 | 33.07 | 0.0 | 0.0 | 0.0 | 5.82 | 11.33 | 0.00 | 11.33 | 0.00 | 2.03 | 0.09 | 0.00 | 2.12 | 0.00 | 40.8 | 0.0 | 0. | 0.00 |
| 91 | 0.600 | 33.04 | 0.0 | 0.0 | 0.0 | 5.73 | 11.34 | 0.00 | 11.34 | 0.00 | 2.04 | 0.09 | 0.00 | 2.13 | 0.00 | 39.3 | 0.0 | 0. | 0.00 |
| 92 | 0.500 | 33.02 | 0.0 | 0.0 | 0.0 | 5.63 | 11.35 | 0.00 | 11.35 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 37.7 | 0.0 | 0. | 0.00 |
| 93 | 0.400 | 33.00 | 0.0 | 0.0 | 0.0 | 5.53 | 11.36 | 0.00 | 11.36 | 0.00 | 2.06 | 0.09 | 0.00 | 2.15 | 0.00 | 36.2 | 0.0 | 0. | 0.00 |
| 94 | 0.300 | 32.97 | 0.0 | 0.0 | 0.0 | 5.43 | 11.37 | 0.00 | 11.37 | 0.00 | 2.07 | 0.09 | 0.00 | 2.16 | 0.00 | 34.6 | 0.0 | 0. | 0.00 |
| 95 | 0.200 | 32.95 | 0.0 | 0.0 | 0.0 | 5.33 | 11.38 | 0.00 | 11.38 | 0.00 | 2.07 | 0.09 | 0.00 | 2.17 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 96 | 0.100 | 32.92 | 0.0 | 0.0 | 0.0 | 5.23 | 11.40 | 0.00 | 11.40 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 31.5 | 0.0 | 0. | 0.00 |
| 97 | 0.000 | 32.90 | 0.0 | 0.0 | 0.0 | 5.14 | 11.67 | 0.00 | 11.67 | 0.00 | 2.09 | 0.10 | 0.00 | 2.18 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: Grassy Lake
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 SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.200 | 7.17 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 28.100 | 7.17 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 28.000 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 27.900 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 27.800 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 27.700 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 27.600 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 27.500 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 27.400 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 27.300 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 27.200 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 27.100 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 27.000 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 26.900 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 26.800 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 26.700 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 26.600 | 7.12 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 26.500 | 7.12 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 26.400 | 7.12 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 26.300 | 7.12 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 26.200 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 26.100 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 26.000 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 25.900 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 25.800 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 25.700 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 25.600 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 25.500 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 25.400 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 25.300 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 25.200 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 25.100 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 25.000 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 24.900 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 24.800 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 24.700 | 7.08 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 | 7.18 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 24.600 | 7.09 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.15 | 7.15 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 24.500 | 7.09 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.13 | 7.13 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 8.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 24.400 | 7.10 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 7.11 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 24.300 | 7.11 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 7.09 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 24.200 | 7.11 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.06 | 7.06 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 24.100 | 7.12 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.04 | 7.04 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 24.000 | 7.12 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 7.02 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 23.900 | 7.13 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 7.00 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 23.800 | 7.14 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.98 | 6.98 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 23.700 | 7.14 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.95 | 6.95 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 23.600 | 7.15 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.93 | 6.93 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 23.500 | 7.15 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.91 | 6.91 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 23.400 | 7.16 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.89 | 6.89 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 23.300 | 7.16 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 6.87 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 23.200 | 7.17 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 | 6.85 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 23.100 | 7.18 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 6.82 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 23.000 | 7.18 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 6.80 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 22.900 | 7.19 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.78 | 6.78 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 22.800 | 7.20 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 22.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 22.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 22.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 22.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 22.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 22.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 22.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 22.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106 | 21.900 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 21.800 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 21.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 21.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 21.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 21.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 21.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 21.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 21.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 21.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 20.900 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 20.800 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 20.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 20.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 20.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 20.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 20.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 20.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 20.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 20.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 19.900 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 19.800 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 19.700 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 19.600 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 19.500 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 19.400 | 7.21 | 0.21 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 19.300 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 19.200 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 19.100 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 19.000 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 18.900 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 18.800 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 18.700 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 18.600 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 18.500 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 18.400 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 18.300 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 18.200 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 18.100 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 18.000 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 17.900 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 17.800 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 17.700 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 17.600 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 17.500 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 17.400 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 17.300 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 17.200 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 17.100 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 17.000 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.18 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 156 | 16.900 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 16.800 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 16.700 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 16.600 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 16.500 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 16.400 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 16.300 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 16.200 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 16.100 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 16.000 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 15.900 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 15.800 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 15.700 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 15.600 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 15.500 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 15.400 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 15.300 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 15.200 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 15.100 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 15.000 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 14.900 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 14.800 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 14.700 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 14.600 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 14.500 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 14.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 14.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 14.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 14.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 14.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 13.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 13.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 13.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 13.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 13.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 13.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 13.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 13.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 13.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 13.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 12.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 12.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 12.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 12.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 12.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 12.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 12.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 12.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 12.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 12.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.30 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 206 | 11.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 11.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 11.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 11.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 11.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 11.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 11.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 11.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 11.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 11.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 10.900 | 7.23 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 10.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 10.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 10.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 10.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 10.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 10.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 10.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 10.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 10.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 9.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 9.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 9.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 9.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 9.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 9.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 9.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 9.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 9.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 9.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 8.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 8.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 8.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 8.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 8.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 8.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 8.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 8.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 8.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 8.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 7.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 7.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 7.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 7.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 7.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 7.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 7.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 7.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 7.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 7.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 256 | 6.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 6.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 6.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 6.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 6.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 6.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 6.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 6.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 6.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 6.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 5.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 5.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 5.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 5.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 5.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 5.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 5.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 5.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 5.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 5.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 4.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 4.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 4.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 4.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 4.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 4.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 4.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 4.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 4.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 4.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 3.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 3.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 3.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 3.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 3.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 3.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 3.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 3.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 3.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 3.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 2.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 2.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 2.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 2.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 2.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 2.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 2.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 2.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 2.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 2.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 306 | 1.900 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 1.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 1.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 1.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 1.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 1.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 1.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 1.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 1.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 1.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 0.900 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 0.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 0.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 0.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 0.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 0.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 0.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 0.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 0.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 0.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Fourmile Bayou Oxbow
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 * | 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 DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.100 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.19 | 7.19 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 4.000 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 | 7.18 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 3.900 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.17 | 7.17 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 3.800 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.16 | 7.16 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 3.700 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.15 | 7.15 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 3.600 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.13 | 7.13 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 8.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 3.500 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.12 | 7.12 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 3.400 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 7.11 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 3.300 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.10 | 7.10 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 3.200 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 7.09 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 3.100 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.08 | 7.08 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 3.000 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.07 | 7.07 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 2.900 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.06 | 7.06 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 6.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 2.800 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.05 | 7.05 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 2.700 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.04 | 7.04 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 2.600 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.03 | 7.03 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 2.500 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 7.02 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 2.400 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.01 | 7.01 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 2.300 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 7.00 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 2.200 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.99 | 6.99 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 2.100 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.98 | 6.98 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 2.000 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.97 | 6.97 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 1.900 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.96 | 6.96 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 1.800 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.94 | 6.94 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 1.700 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.93 | 6.93 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 1.600 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.92 | 6.92 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 1.500 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.91 | 6.91 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 1.400 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.90 | 6.90 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 1.300 | 7.16 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.89 | 6.89 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 1.200 | 7.16 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.88 | 6.88 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 1.100 | 7.16 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 6.87 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 1.000 | 7.17 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 | 6.86 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 4.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 0.900 | 7.17 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 | 6.85 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 0.800 | 7.17 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.84 | 6.84 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.700 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.83 | 6.83 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 0.600 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 6.82 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 0.500 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.81 | 6.81 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.400 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 6.80 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.300 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.79 | 6.79 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.200 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.78 | 6.78 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.100 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.77 | 6.77 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.000 | 7.20 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: Grassy Lake
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME AREA $m^3$ | SURFACE AREA $m^2$ | PRISM $m^2$ | X-SECT $m^3$ | VELO m/s | $m^2/s$ | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.30 | 28.20 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 2 | 28.20 | 28.10 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 3 | 28.10 | 28.00 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 4 | 28.00 | 27.90 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 5 | 27.90 | 27.80 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 6 | 27.80 | 27.70 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 7 | 27.70 | 27.60 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 8 | 27.60 | 27.50 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 9 | 27.50 | 27.40 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 10 | 27.40 | 27.30 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 11 | 27.30 | 27.20 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 12 | 27.20 | 27.10 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 13 | 27.10 | 27.00 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 14 | 27.00 | 26.90 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 15 | 26.90 | 26.80 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 16 | 26.80 | 26.70 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 17 | 26.70 | 26.60 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 18 | 26.60 | 26.50 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 19 | 26.50 | 26.40 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |
| 20 | 26.40 | 26.30 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 26.30 | 26.20 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 |
| 22 | 26.20 | 26.10 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 |
| 23 | 26.10 | 26.00 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 |
| 24 | 26.00 | 25.90 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 |
| 25 | 25.90 | 25.80 | 60.7000 | 0.045 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.042 | 0.045 |
| 26 | 25.80 | 25.70 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 27 | 25.70 | 25.60 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 28 | 25.60 | 25.50 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 29 | 25.50 | 25.40 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 30 | 25.40 | 25.30 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 31 | 25.30 | 25.20 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 32 | 25.20 | 25.10 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 33 | 25.10 | 25.00 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 34 | 25.00 | 24.90 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 35 | 24.90 | 24.80 | 51.9000 | 0.038 | 1.01 | 1343.0 | 135643. | 134300.0 | 1356.4 | 0. | 0.000 | 0.036 | 0.038 |
| 36 | 24.80 | 24.70 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 37 | 24.70 | 24.60 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 38 | 24.60 | 24.50 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 39 | 24.50 | 24.40 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 40 | 24.40 | 24.30 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 41 | 24.30 | 24.20 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 42 | 24.20 | 24.10 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 43 | 24.10 | 24.00 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 44 | 24.00 | 23.90 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 45 | 23.90 | 23.80 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 46 | 23.80 | 23.70 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 47 | 23.70 | 23.60 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 48 | 23.60 | 23.50 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 49 | 23.50 | 23.40 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 50 | 23.40 | 23.30 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 51 | 23.30 | 23.20 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 52 | 23.20 | 23.10 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 53 | 23.10 | 23.00 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 54 | 23.00 | 22.90 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 55 | 22.90 | 22.80 | 51.9000 | 0.093 | 5.24 | 107.0 | 56068. | 10700.0 | 560.7 | 0. | 0.000 | 0.341 | 0.093 |
| 98 | 22.80 | 22.70 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 99 | 22.70 | 22.60 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 100 | 22.60 | 22.50 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 101 | 22.50 | 22.40 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 102 | 22.40 | 22.30 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 103 | 22.30 | 22.20 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 104 | 22.20 | 22.10 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 105 | 22.10 | 22.00 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 106 | 22.00 | 21.90 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 107 | 21.90 | 21.80 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 108 | 21.80 | 21.70 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 109 | 21.70 | 21.60 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 110 | 21.60 | 21.50 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 111 | 21.50 | 21.40 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 112 | 21.40 | 21.30 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 113 | 21.30 | 21.20 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 114 | 21.20 | 21.10 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 115 | 21.10 | 21.00 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 116 | 21.00 | 20.90 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 117 | 20.90 | 20.80 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 118 | 20.80 | 20.70 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 119 | 20.70 | 20.60 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 120 | 20.60 | 20.50 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 121 | 20.50 | 20.40 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 122 | 20.40 | 20.30 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 123 | 20.30 | 20.20 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 124 | 20.20 | 20.10 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 125 | 20.10 | 20.00 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 126 | 20.00 | 19.90 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 127 | 19.90 | 19.80 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 128 | 19.80 | 19.70 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 129 | 19.70 | 19.60 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 130 | 19.60 | 19.50 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 131 | 19.50 | 19.40 | 60.7000 | 0.159 | 4.39 | 87.0 | 38193. | 8700.0 | 381.9 | 0. | 0.000 | 0.505 | 0.159 |
| 132 | 19.40 | 19.30 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 133 | 19.30 | 19.20 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 134 | 19.20 | 19.10 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 135 | 19.10 | 19.00 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 136 | 19.00 | 18.90 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 137 | 18.90 | 18.80 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 138 | 18.80 | 18.70 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 139 | 18.70 | 18.60 | 90.8000 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 140 | 18.60 | 18.50 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 141 | 18.50 | 18.40 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 142 | 18.40 | 18.30 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 143 | 18.30 | 18.20 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 144 | 18.20 | 18.10 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 145 | 18.10 | 18.00 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 146 | 18.00 | 17.90 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 147 | 17.90 | 17.80 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 148 | 17.80 | 17.70 | 90.8016 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 149 | 17.70 | 17.60 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 150 | 17.60 | 17.50 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 151 | 17.50 | 17.40 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 152 | 17.40 | 17.30 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 153 | 17.30 | 17.20 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 154 | 17.20 | 17.10 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 155 | 17.10 | 17.00 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 156 | 17.00 | 16.90 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 157 | 16.90 | 16.80 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 158 | 16.80 | 16.70 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 159 | 16.70 | 16.60 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 160 | 16.60 | 16.50 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 161 | 16.50 | 16.40 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 162 | 16.40 | 16.30 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 163 | 16.30 | 16.20 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 164 | 16.20 | 16.10 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 165 | 16.10 | 16.00 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 166 | 16.00 | 15.90 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 167 | 15.90 | 15.80 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 168 | 15.80 | 15.70 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 169 | 15.70 | 15.60 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 170 | 15.60 | 15.50 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 171 | 15.50 | 15.40 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 172 | 15.40 | 15.30 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 173 | 15.30 | 15.20 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 174 | 15.20 | 15.10 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 175 | 15.10 | 15.00 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 176 | 15.00 | 14.90 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 177 | 14.90 | 14.80 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 178 | 14.80 | 14.70 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 179 | 14.70 | 14.60 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 180 | 14.60 | 14.50 | 90.8020 | 0.036 | 1.34 | 1892.0 | 253528. | 189200.0 | 2535.3 | 0. | 0.000 | 0.042 | 0.036 |
| 181 | 14.50 | 14.40 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 182 | 14.40 | 14.30 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 183 | 14.30 | 14.20 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 184 | 14.20 | 14.10 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 185 | 14.10 | 14.00 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 186 | 14.00 | 13.90 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 187 | 13.90 | 13.80 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 188 | 13.80 | 13.70 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 189 | 13.70 | 13.60 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 190 | 13.60 | 13.50 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 191 | 13.50 | 13.40 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 192 | 13.40 | 13.30 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 193 | 13.30 | 13.20 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 194 | 13.20 | 13.10 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 195 | 13.10 | 13.00 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 196 | 13.00 | 12.90 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 197 | 12.90 | 12.80 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 198 | 12.80 | 12.70 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 199 | 12.70 | 12.60 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 200 | 12.60 | 12.50 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 201 | 12.50 | 12.40 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 202 | 12.40 | 12.30 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 203 | 12.30 | 12.20 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 204 | 12.20 | 12.10 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 205 | 12.10 | 12.00 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 206 | 12.00 | 11.90 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 207 | 11.90 | 11.80 | 90.8020 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 208 | 11.80 | 11.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 209 | 11.70 | 11.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 210 | 11.60 | 11.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 211 | 11.50 | 11.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 212 | 11.40 | 11.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 11.30 | 11.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 214 | 11.20 | 11.10 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 215 | 11.10 | 11.00 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 216 | 11.00 | 10.90 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 217 | 10.90 | 10.80 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 218 | 10.80 | 10.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 219 | 10.70 | 10.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 220 | 10.60 | 10.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 221 | 10.50 | 10.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 222 | 10.40 | 10.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 223 | 10.30 | 10.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 224 | 10.20 | 10.10 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 225 | 10.10 | 10.00 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 226 | 10.00 | 9.90 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 227 | 9.90 | 9.80 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 228 | 9.80 | 9.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 229 | 9.70 | 9.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 230 | 9.60 | 9.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 231 | 9.50 | 9.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 232 | 9.40 | 9.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 233 | 9.30 | 9.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 234 | 9.20 | 9.10 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 235 | 9.10 | 9.00 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 236 | 9.00 | 8.90 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 237 | 8.90 | 8.80 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 238 | 8.80 | 8.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 239 | 8.70 | 8.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 240 | 8.60 | 8.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 241 | 8.50 | 8.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 242 | 8.40 | 8.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 243 | 8.30 | 8.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 244 | 8.20 | 8.10 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 245 | 8.10 | 8.00 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 246 | 8.00 | 7.90 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 247 | 7.90 | 7.80 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 248 | 7.80 | 7.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 249 | 7.70 | 7.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 250 | 7.60 | 7.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 251 | 7.50 | 7.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 252 | 7.40 | 7.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 253 | 7.30 | 7.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 254 | 7.20 | 7.10 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 255 | 7.10 | 7.00 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 256 | 7.00 | 6.90 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 257 | 6.90 | 6.80 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 258 | 6.80 | 6.70 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 259 | 6.70 | 6.60 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 260 | 6.60 | 6.50 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 261 | 6.50 | 6.40 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 262 | 6.40 | 6.30 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 263 | 6.30 | 6.20 | 90.8033 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 264 | 6.20 | 6.10 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 265 | 6.10 | 6.00 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 266 | 6.00 | 5.90 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 267 | 5.90 | 5.80 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 268 | 5.80 | 5.70 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 269 | 5.70 | 5.60 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 270 | 5.60 | 5.50 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 271 | 5.50 | 5.40 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 272 | 5.40 | 5.30 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 273 | 5.30 | 5.20 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 274 | 5.20 | 5.10 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 275 | 5.10 | 5.00 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 276 | 5.00 | 4.90 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 277 | 4.90 | 4.80 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 278 | 4.80 | 4.70 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 279 | 4.70 | 4.60 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 280 | 4.60 | 4.50 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 281 | 4.50 | 4.40 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 282 | 4.40 | 4.30 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 283 | 4.30 | 4.20 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 284 | 4.20 | 4.10 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 285 | 4.10 | 4.00 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 286 | 4.00 | 3.90 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 287 | 3.90 | 3.80 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 288 | 3.80 | 3.70 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 289 | 3.70 | 3.60 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 290 | 3.60 | 3.50 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 291 | 3.50 | 3.40 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 292 | 3.40 | 3.30 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 293 | 3.30 | 3.20 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 294 | 3.20 | 3.10 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 295 | 3.10 | 3.00 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 296 | 3.00 | 2.90 | 90.8125 | 0.010 | 2.13 | 4092.0 | 871596. | 409200.0 | 8716.0 | 0. | 0.000 | 0.018 | 0.010 |
| 297 | 2.90 | 2.80 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 298 | 2.80 | 2.70 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 299 | 2.70 | 2.60 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 300 | 2.60 | 2.50 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 301 | 2.50 | 2.40 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 302 | 2.40 | 2.30 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 303 | 2.30 | 2.20 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 304 | 2.20 | 2.10 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 305 | 2.10 | 2.00 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 306 | 2.00 | 1.90 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 307 | 1.90 | 1.80 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 308 | 1.80 | 1.70 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 309 | 1.70 | 1.60 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 310 | 1.60 | 1.50 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 311 | 1.50 | 1.40 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 312 | 1.40 | 1.30 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 313 | 1.30 | 1.20 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 314 | 1.20 | 1.10 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 315 | 1.10 | 1.00 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 316 | 1.00 | 0.90 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 317 | 0.90 | 0.80 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 318 | 0.80 | 0.70 | 90.8125 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 319 | 0.70 | 0.60 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 320 | 0.60 | 0.50 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 321 | 0.50 | 0.40 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 322 | 0.40 | 0.30 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 323 | 0.30 | 0.20 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 324 | 0.20 | 0.10 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |
| 325 | 0.10 | 0.00 | 90.8126 | 0.061 | 1.95 | 767.0 | 149565. | 76700.0 | 1495.7 | 0. | 0.000 | 0.098 | 0.061 |

SPECIAL REPORT: Fourmile Bayou Oxbow
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW VELO m³/s | ADVCTV m/s | DEPTH m | WIDTH m | VOLUME AREA m³ | SURFACE AREA m² | PRISM m³ | X-SECT VELO m/s | TIDAL m²/s | TIDAL VELO m/s | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.20 | 4.10 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 57 | 4.10 | 4.00 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 58 | 4.00 | 3.90 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 59 | 3.90 | 3.80 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 60 | 3.80 | 3.70 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 61 | 3.70 | 3.60 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 62 | 3.60 | 3.50 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 63 | 3.50 | 3.40 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 64 | 3.40 | 3.30 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 65 | 3.30 | 3.20 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 66 | 3.20 | 3.10 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 67 | 3.10 | 3.00 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 68 | 3.00 | 2.90 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 69 | 2.90 | 2.80 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 70 | 2.80 | 2.70 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 71 | 2.70 | 2.60 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 72 | 2.60 | 2.50 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 73 | 2.50 | 2.40 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 74 | 2.40 | 2.30 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 75 | 2.30 | 2.20 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 76 | 2.20 | 2.10 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 77 | 2.10 | 2.00 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 78 | 2.00 | 1.90 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 79 | 1.90 | 1.80 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 80 | 1.80 | 1.70 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 81 | 1.70 | 1.60 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 82 | 1.60 | 1.50 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |
| 83 | 1.50 | 1.40 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | 1.40 | 1.30 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 85 | 1.30 | 1.20 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 86 | 1.20 | 1.10 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 87 | 1.10 | 1.00 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 88 | 1.00 | 0.90 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 89 | 0.90 | 0.80 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 90 | 0.80 | 0.70 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 91 | 0.70 | 0.60 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 92 | 0.60 | 0.50 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 93 | 0.50 | 0.40 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 94 | 0.40 | 0.30 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 95 | 0.30 | 0.20 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 96 | 0.20 | 0.10 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |
| 97 | 0.10 | 0.00 | 8.8000 | 0.040 | 2.50 | 87.0 | 21750. | 8700.0 | 217.5 | 0. | 0.000 | 0.080 | 0.040 |

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 1 Grassy Lake Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 60.70000 | 33.10 | 0.00 | 0.00 | 0.00 | 6.70 | 21.15 | 0.00 | 21.15 | 0.00 | 1.60 | 0.10 | 0.04 | 0.00 | 100.00 | 0.00 | 0.00 |
| 26 | WSTLD | -8.80000 | 33.69 | 0.00 | 0.00 | 0.00 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.70 | 0.09 | 0.00 | 0.00 | 96.29 | 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 | 28.30 | 28.20 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 2 | 28.20 | 28.10 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 3 | 28.10 | 28.00 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 4 | 28.00 | 27.90 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 5 | 27.90 | 27.80 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 6 | 27.80 | 27.70 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 7 | 27.70 | 27.60 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 8 | 27.60 | 27.50 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 9 | 27.50 | 27.40 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 10 | 27.40 | 27.30 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 11 | 27.30 | 27.20 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 12 | 27.20 | 27.10 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 13 | 27.10 | 27.00 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 14 | 27.00 | 26.90 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 15 | 26.90 | 26.80 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 26.80 | 26.70 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 17 | 26.70 | 26.60 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 18 | 26.60 | 26.50 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 19 | 26.50 | 26.40 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 20 | 26.40 | 26.30 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 21 | 26.30 | 26.20 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 22 | 26.20 | 26.10 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 23 | 26.10 | 26.00 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 24 | 26.00 | 25.90 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 25 | 25.90 | 25.80 | 60.70000 | 0.0 | 0.04475 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.042 | 0.045 |
| 26 | 25.80 | 25.70 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 27 | 25.70 | 25.60 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 28 | 25.60 | 25.50 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 29 | 25.50 | 25.40 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 30 | 25.40 | 25.30 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 31 | 25.30 | 25.20 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 32 | 25.20 | 25.10 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 33 | 25.10 | 25.00 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 34 | 25.00 | 24.90 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |
| 35 | 24.90 | 24.80 | 51.90000 | 0.0 | 0.03826 | 0.03 | 1.01 | 1343.00 | 135643.00 | 134300.00 | 1356.43 | 0.00 | 0.000 | 0.036 | 0.038 |

| | | | | | |
|---|---|---|---|---|---|
| TOT | | 0.95 | 4747505.00 | 4700500.00 | |
| AVG | 0.0427 | | 1.01 1343.00 | | 1356.43 |
| CUM | | 0.95 | | | |

********** 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 * | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE * | DENIT SRCE * | PO4 PROD ** | ALG PROD ** | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.200 | 7.17 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 28.100 | 7.17 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 28.000 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 1.60 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | 27.900 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | 27.800 | 7.16 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6 | 27.700 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7 | 27.600 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 1.61 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8 | 27.500 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9 | 27.400 | 7.15 | 0.94 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10 | 27.300 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 11 | 27.200 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 1.62 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12 | 27.100 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13 | 27.000 | 7.14 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 26.900 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15 | 26.800 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | 26.700 | 7.13 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 | 26.600 | 7.12 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | 26.500 | 7.12 | 0.95 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 26.400 | 7.12 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 1.64 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 26.300 | 7.12 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 1.64 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 26.200 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 26.100 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 26.000 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 25.900 | 7.11 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 1.65 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 25.800 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 25.700 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 25.600 | 7.10 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 25.500 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 1.66 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 25.400 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 25.300 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 25.200 | 7.09 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 25.100 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 25.000 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 24.900 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 1.68 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 24.800 | 7.08 | 0.95 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 1.68 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.99 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.74 0.18 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.200 | 33.12 | 0.00 | 0.00 | 0.00 | 6.72 | 21.16 | 0.00 | 21.16 | 0.00 | 1.60 | 0.10 | 0.03 | 1.73 | 0.00 | 99.86 | 0.00 | 0. | 0.00 |
| 2 | 28.100 | 33.15 | 0.00 | 0.00 | 0.00 | 6.74 | 21.16 | 0.00 | 21.16 | 0.00 | 1.61 | 0.10 | 0.02 | 1.73 | 0.00 | 99.71 | 0.00 | 0. | 0.00 |
| 3 | 28.000 | 33.17 | 0.00 | 0.00 | 0.00 | 6.76 | 21.17 | 0.00 | 21.17 | 0.00 | 1.61 | 0.10 | 0.01 | 1.72 | 0.00 | 99.57 | 0.00 | 0. | 0.00 |
| 4 | 27.900 | 33.19 | 0.00 | 0.00 | 0.00 | 6.77 | 21.17 | 0.00 | 21.17 | 0.00 | 1.62 | 0.10 | 0.00 | 1.71 | 0.00 | 99.43 | 0.00 | 0. | 0.00 |
| 5 | 27.800 | 33.21 | 0.00 | 0.00 | 0.00 | 6.79 | 21.18 | 0.00 | 21.18 | 0.00 | 1.62 | 0.10 | 0.00 | 1.72 | 0.00 | 99.29 | 0.00 | 0. | 0.00 |
| 6 | 27.700 | 33.24 | 0.00 | 0.00 | 0.00 | 6.81 | 21.18 | 0.00 | 21.18 | 0.00 | 1.62 | 0.10 | 0.00 | 1.72 | 0.00 | 99.14 | 0.00 | 0. | 0.00 |
| 7 | 27.600 | 33.26 | 0.00 | 0.00 | 0.00 | 6.82 | 21.19 | 0.00 | 21.19 | 0.00 | 1.63 | 0.10 | 0.00 | 1.72 | 0.00 | 99.00 | 0.00 | 0. | 0.00 |
| 8 | 27.500 | 33.28 | 0.00 | 0.00 | 0.00 | 6.83 | 21.19 | 0.00 | 21.19 | 0.00 | 1.63 | 0.10 | 0.00 | 1.73 | 0.00 | 98.86 | 0.00 | 0. | 0.00 |
| 9 | 27.400 | 33.31 | 0.00 | 0.00 | 0.00 | 6.85 | 21.20 | 0.00 | 21.20 | 0.00 | 1.63 | 0.10 | 0.00 | 1.73 | 0.00 | 98.71 | 0.00 | 0. | 0.00 |
| 10 | 27.300 | 33.33 | 0.00 | 0.00 | 0.00 | 6.86 | 21.20 | 0.00 | 21.20 | 0.00 | 1.64 | 0.10 | 0.00 | 1.73 | 0.00 | 98.57 | 0.00 | 0. | 0.00 |
| 11 | 27.200 | 33.35 | 0.00 | 0.00 | 0.00 | 6.87 | 21.21 | 0.00 | 21.21 | 0.00 | 1.64 | 0.10 | 0.00 | 1.74 | 0.00 | 98.43 | 0.00 | 0. | 0.00 |
| 12 | 27.100 | 33.37 | 0.00 | 0.00 | 0.00 | 6.88 | 21.21 | 0.00 | 21.21 | 0.00 | 1.65 | 0.10 | 0.00 | 1.74 | 0.00 | 98.29 | 0.00 | 0. | 0.00 |
| 13 | 27.000 | 33.40 | 0.00 | 0.00 | 0.00 | 6.89 | 21.21 | 0.00 | 21.21 | 0.00 | 1.65 | 0.10 | 0.00 | 1.75 | 0.00 | 98.14 | 0.00 | 0. | 0.00 |
| 14 | 26.900 | 33.42 | 0.00 | 0.00 | 0.00 | 6.90 | 21.22 | 0.00 | 21.22 | 0.00 | 1.65 | 0.10 | 0.00 | 1.75 | 0.00 | 98.00 | 0.00 | 0. | 0.00 |
| 15 | 26.800 | 33.44 | 0.00 | 0.00 | 0.00 | 6.91 | 21.22 | 0.00 | 21.22 | 0.00 | 1.66 | 0.10 | 0.00 | 1.75 | 0.00 | 97.86 | 0.00 | 0. | 0.00 |
| 16 | 26.700 | 33.47 | 0.00 | 0.00 | 0.00 | 6.92 | 21.22 | 0.00 | 21.22 | 0.00 | 1.66 | 0.10 | 0.00 | 1.76 | 0.00 | 97.71 | 0.00 | 0. | 0.00 |
| 17 | 26.600 | 33.49 | 0.00 | 0.00 | 0.00 | 6.93 | 21.23 | 0.00 | 21.23 | 0.00 | 1.66 | 0.09 | 0.00 | 1.76 | 0.00 | 97.57 | 0.00 | 0. | 0.00 |
| 18 | 26.500 | 33.51 | 0.00 | 0.00 | 0.00 | 6.93 | 21.23 | 0.00 | 21.23 | 0.00 | 1.67 | 0.09 | 0.00 | 1.76 | 0.00 | 97.43 | 0.00 | 0. | 0.00 |
| 19 | 26.400 | 33.53 | 0.00 | 0.00 | 0.00 | 6.94 | 21.23 | 0.00 | 21.23 | 0.00 | 1.67 | 0.09 | 0.00 | 1.77 | 0.00 | 97.29 | 0.00 | 0. | 0.00 |
| 20 | 26.300 | 33.56 | 0.00 | 0.00 | 0.00 | 6.95 | 21.23 | 0.00 | 21.23 | 0.00 | 1.68 | 0.09 | 0.00 | 1.77 | 0.00 | 97.14 | 0.00 | 0. | 0.00 |
| 21 | 26.200 | 33.58 | 0.00 | 0.00 | 0.00 | 6.95 | 21.24 | 0.00 | 21.24 | 0.00 | 1.68 | 0.09 | 0.00 | 1.77 | 0.00 | 97.00 | 0.00 | 0. | 0.00 |
| 22 | 26.100 | 33.60 | 0.00 | 0.00 | 0.00 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.68 | 0.09 | 0.00 | 1.78 | 0.00 | 96.86 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 26.000 | 33.63 | 0.00 | 0.00 | 0.00 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.78 | 0.00 | 96.71 | 0.00 | 0. | 0.00 |
| 24 | 25.900 | 33.65 | 0.00 | 0.00 | 0.00 | 6.96 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.78 | 0.00 | 96.57 | 0.00 | 0. | 0.00 |
| 25 | 25.800 | 33.67 | 0.00 | 0.00 | 0.00 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.69 | 0.09 | 0.00 | 1.79 | 0.00 | 96.43 | 0.00 | 0. | 0.00 |
| 26 | 25.700 | 33.69 | 0.00 | 0.00 | 0.00 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.70 | 0.09 | 0.00 | 1.79 | 0.00 | 96.29 | 0.00 | 0. | 0.00 |
| 27 | 25.600 | 33.72 | 0.00 | 0.00 | 0.00 | 6.97 | 21.24 | 0.00 | 21.24 | 0.00 | 1.70 | 0.09 | 0.00 | 1.80 | 0.00 | 96.14 | 0.00 | 0. | 0.00 |
| 28 | 25.500 | 33.74 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.71 | 0.09 | 0.00 | 1.80 | 0.00 | 96.00 | 0.00 | 0. | 0.00 |
| 29 | 25.400 | 33.76 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.71 | 0.09 | 0.00 | 1.80 | 0.00 | 95.86 | 0.00 | 0. | 0.00 |
| 30 | 25.300 | 33.79 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.81 | 0.00 | 95.71 | 0.00 | 0. | 0.00 |
| 31 | 25.200 | 33.81 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.81 | 0.00 | 95.57 | 0.00 | 0. | 0.00 |
| 32 | 25.100 | 33.83 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.72 | 0.09 | 0.00 | 1.82 | 0.00 | 95.43 | 0.00 | 0. | 0.00 |
| 33 | 25.000 | 33.85 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.73 | 0.09 | 0.00 | 1.82 | 0.00 | 95.29 | 0.00 | 0. | 0.00 |
| 34 | 24.900 | 33.88 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.73 | 0.09 | 0.00 | 1.82 | 0.00 | 95.14 | 0.00 | 0. | 0.00 |
| 35 | 24.800 | 33.90 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.74 | 0.09 | 0.00 | 1.83 | 0.00 | 95.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Grassy Lake — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 2 Fourmile Bayou 1 — Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | UPR RCH | 51.90000 | 33.90 | 0.00 | 0.00 | 0.00 | 6.98 | 21.24 | 0.00 | 21.24 | 0.00 | 1.74 | 0.09 | 0.00 | 0.00 | 95.00 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 24.80 | 24.70 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 37 | 24.70 | 24.60 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 38 | 24.60 | 24.50 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 39 | 24.50 | 24.40 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 40 | 24.40 | 24.30 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 41 | 24.30 | 24.20 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 42 | 24.20 | 24.10 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 43 | 24.10 | 24.00 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 44 | 24.00 | 23.90 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 45 | 23.90 | 23.80 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 46 | 23.80 | 23.70 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 47 | 23.70 | 23.60 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 48 | 23.60 | 23.50 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 49 | 23.50 | 23.40 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 50 | 23.40 | 23.30 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 51 | 23.30 | 23.20 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 52 | 23.20 | 23.10 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 23.10 | 23.00 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 54 | 23.00 | 22.90 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| 55 | 22.90 | 22.80 | 51.90000 | 0.0 | 0.09257 | 0.01 | 5.24 | 107.00 | 56068.00 | 10700.00 | 560.68 | 0.00 | 0.000 | 0.341 | 0.093 |
| TOT | | | | | | 0.25 | | 1121360.00 | 214000.00 | | | | | | |
| AVG | | | | | | 0.0926 | 5.24 | 107.00 | | | 560.68 | | | | |
| CUM | | | | | | 1.20 | | | | | | | | | |

********** 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 DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD | ALG PROD | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 24.700 | 7.08 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 | 7.18 | 7.18 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 24.600 | 7.09 | 0.17 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.15 | 7.15 | 7.15 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 24.500 | 7.09 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.13 | 7.13 | 7.13 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 8.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 24.400 | 7.10 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 7.11 | 7.11 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 24.300 | 7.11 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 7.09 | 7.09 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 24.200 | 7.11 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.06 | 7.06 | 7.06 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 24.100 | 7.12 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.04 | 7.04 | 7.04 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 24.000 | 7.12 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 7.02 | 7.02 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 23.900 | 7.13 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 7.00 | 7.00 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 23.800 | 7.14 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.98 | 6.98 | 6.98 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 23.700 | 7.14 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.95 | 6.95 | 6.95 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 23.600 | 7.15 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.93 | 6.93 | 6.93 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 23.500 | 7.15 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.91 | 6.91 | 6.91 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 23.400 | 7.16 | 0.17 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.89 | 6.89 | 6.89 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 23.300 | 7.16 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 6.87 | 6.87 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 23.200 | 7.17 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 | 6.85 | 6.85 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 23.100 | 7.18 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 6.82 | 6.82 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 23.000 | 7.18 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 6.80 | 6.80 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 22.900 | 7.19 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.78 | 6.78 | 6.78 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 22.800 | 7.20 | 0.17 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.13 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | | 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 #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 24.700 | 33.85 | 0.00 | 0.00 | 0.00 | 6.96 | 21.26 | 0.00 | 21.26 | 0.00 | 1.75 | 0.09 | 0.00 | 1.84 | 0.00 | 91.75 | 0.00 | 0. | 0.00 |
| 37 | 24.600 | 33.80 | 0.00 | 0.00 | 0.00 | 6.94 | 21.27 | 0.00 | 21.27 | 0.00 | 1.75 | 0.09 | 0.00 | 1.84 | 0.00 | 88.50 | 0.00 | 0. | 0.00 |
| 38 | 24.500 | 33.75 | 0.00 | 0.00 | 0.00 | 6.91 | 21.29 | 0.00 | 21.29 | 0.00 | 1.76 | 0.09 | 0.00 | 1.85 | 0.00 | 85.25 | 0.00 | 0. | 0.00 |
| 39 | 24.400 | 33.70 | 0.00 | 0.00 | 0.00 | 6.89 | 21.30 | 0.00 | 21.30 | 0.00 | 1.77 | 0.09 | 0.00 | 1.86 | 0.00 | 82.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 24.300 | 33.65 | 0.00 | 0.00 | 0.00 | 6.85 | 21.32 | 0.00 | 21.32 | 0.00 | 1.78 | 0.09 | 0.00 | 1.87 | 0.00 | 78.75 | 0.00 | 0. | 0.00 |
| 41 | 24.200 | 33.60 | 0.00 | 0.00 | 0.00 | 6.82 | 21.33 | 0.00 | 21.33 | 0.00 | 1.78 | 0.09 | 0.00 | 1.87 | 0.00 | 75.50 | 0.00 | 0. | 0.00 |
| 42 | 24.100 | 33.55 | 0.00 | 0.00 | 0.00 | 6.78 | 21.35 | 0.00 | 21.35 | 0.00 | 1.79 | 0.09 | 0.00 | 1.88 | 0.00 | 72.25 | 0.00 | 0. | 0.00 |
| 43 | 24.000 | 33.50 | 0.00 | 0.00 | 0.00 | 6.74 | 21.36 | 0.00 | 21.36 | 0.00 | 1.80 | 0.09 | 0.00 | 1.89 | 0.00 | 69.00 | 0.00 | 0. | 0.00 |
| 44 | 23.900 | 33.45 | 0.00 | 0.00 | 0.00 | 6.69 | 21.38 | 0.00 | 21.38 | 0.00 | 1.81 | 0.09 | 0.00 | 1.89 | 0.00 | 65.75 | 0.00 | 0. | 0.00 |
| 45 | 23.800 | 33.40 | 0.00 | 0.00 | 0.00 | 6.64 | 21.40 | 0.00 | 21.40 | 0.00 | 1.81 | 0.09 | 0.00 | 1.90 | 0.00 | 62.50 | 0.00 | 0. | 0.00 |
| 46 | 23.700 | 33.35 | 0.00 | 0.00 | 0.00 | 6.59 | 21.41 | 0.00 | 21.41 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 59.25 | 0.00 | 0. | 0.00 |
| 47 | 23.600 | 33.30 | 0.00 | 0.00 | 0.00 | 6.53 | 21.43 | 0.00 | 21.43 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 56.00 | 0.00 | 0. | 0.00 |
| 48 | 23.500 | 33.25 | 0.00 | 0.00 | 0.00 | 6.47 | 21.45 | 0.00 | 21.45 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 52.75 | 0.00 | 0. | 0.00 |
| 49 | 23.400 | 33.20 | 0.00 | 0.00 | 0.00 | 6.40 | 21.47 | 0.00 | 21.47 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 49.50 | 0.00 | 0. | 0.00 |
| 50 | 23.300 | 33.15 | 0.00 | 0.00 | 0.00 | 6.34 | 21.48 | 0.00 | 21.48 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 46.25 | 0.00 | 0. | 0.00 |
| 51 | 23.200 | 33.10 | 0.00 | 0.00 | 0.00 | 6.26 | 21.50 | 0.00 | 21.50 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 43.00 | 0.00 | 0. | 0.00 |
| 52 | 23.100 | 33.05 | 0.00 | 0.00 | 0.00 | 6.19 | 21.52 | 0.00 | 21.52 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 39.75 | 0.00 | 0. | 0.00 |
| 53 | 23.000 | 33.00 | 0.00 | 0.00 | 0.00 | 6.11 | 21.53 | 0.00 | 21.53 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 36.50 | 0.00 | 0. | 0.00 |
| 54 | 22.900 | 32.95 | 0.00 | 0.00 | 0.00 | 6.03 | 21.55 | 0.00 | 21.55 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 33.25 | 0.00 | 0. | 0.00 |
| 55 | 22.800 | 32.90 | 0.00 | 0.00 | 0.00 | 5.94 | 21.52 | 0.00 | 21.52 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 30.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Grassy Lake LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 4 Fourmile Bayou 2 Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | UPR RCH | 51.90000 | 32.90 | 0.00 | 0.00 | 0.00 | 5.94 | 21.52 | 0.00 | 21.52 | 0.00 | 1.89 | 0.09 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 |
| 98 | TRIB | 8.80000 | 32.90 | 0.00 | 0.00 | 0.00 | 5.14 | 11.67 | 0.00 | 11.67 | 0.00 | 2.09 | 0.10 | 0.00 | 0.00 | 30.00 | 0.00 | 0.00 |

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

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 22.80 | 22.70 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 99 | 22.70 | 22.60 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 100 | 22.60 | 22.50 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 101 | 22.50 | 22.40 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 102 | 22.40 | 22.30 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 103 | 22.30 | 22.20 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 104 | 22.20 | 22.10 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 105 | 22.10 | 22.00 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 106 | 22.00 | 21.90 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 107 | 21.90 | 21.80 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 108 | 21.80 | 21.70 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 109 | 21.70 | 21.60 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 110 | 21.60 | 21.50 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | 21.50 | 21.40 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 112 | 21.40 | 21.30 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 113 | 21.30 | 21.20 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 114 | 21.20 | 21.10 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 115 | 21.10 | 21.00 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 116 | 21.00 | 20.90 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 117 | 20.90 | 20.80 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 118 | 20.80 | 20.70 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 119 | 20.70 | 20.60 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 120 | 20.60 | 20.50 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 121 | 20.50 | 20.40 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 122 | 20.40 | 20.30 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 123 | 20.30 | 20.20 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 124 | 20.20 | 20.10 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 125 | 20.10 | 20.00 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 126 | 20.00 | 19.90 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 127 | 19.90 | 19.80 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 128 | 19.80 | 19.70 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 129 | 19.70 | 19.60 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 130 | 19.60 | 19.50 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| 131 | 19.50 | 19.40 | 60.70000 | 0.0 | 0.15893 | 0.01 | 4.39 | 87.00 | 38193.00 | 8700.00 | 381.93 | 0.00 | 0.000 | 0.505 | 0.159 |
| TOT | | | | | 0.25 | | | 1298562.00 | 295800.00 | | | | | | |
| AVG | | | | 0.1589 | | | 4.39 | 87.00 | | | 381.93 | | | | |
| CUM | | | | | 1.45 | | | | | | | | | | |

********** 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 * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 22.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 22.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 22.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 6.76 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 22.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 22.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 22.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 22.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 22.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 21.900 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 21.800 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 21.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 6.75 | 6.75 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 21.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 21.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 21.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 21.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 21.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 21.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 5.86 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 21.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 20.900 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 | 6.74 | 6.74 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 20.800 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 20.700 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 20.600 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 20.500 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 6.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 20.400 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 20.300 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 20.200 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 20.100 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.73 | 6.73 | 6.73 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 20.000 | 7.20 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 7.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 19.900 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 19.800 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 19.700 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 19.600 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 19.500 | 7.21 | 0.22 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 19.400 | 7.21 | 0.21 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 6.72 | 6.72 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.17 0.21 0.00 0.00 0.00 0.00 0.00 3.00 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 22.700 | 32.90 | 0.00 | 0.00 | 0.00 | 5.78 | 20.11 | 0.00 | 20.11 | 0.00 | 1.92 | 0.09 | 0.00 | 2.01 | 0.00 | 32.06 | 0.00 | 0. | 0.00 |
| 99 | 22.600 | 32.89 | 0.00 | 0.00 | 0.00 | 5.74 | 20.12 | 0.00 | 20.12 | 0.00 | 1.93 | 0.09 | 0.00 | 2.02 | 0.00 | 34.12 | 0.00 | 0. | 0.00 |
| 100 | 22.500 | 32.89 | 0.00 | 0.00 | 0.00 | 5.70 | 20.13 | 0.00 | 20.13 | 0.00 | 1.94 | 0.09 | 0.00 | 2.03 | 0.00 | 36.18 | 0.00 | 0. | 0.00 |
| 101 | 22.400 | 32.89 | 0.00 | 0.00 | 0.00 | 5.66 | 20.14 | 0.00 | 20.14 | 0.00 | 1.95 | 0.09 | 0.00 | 2.04 | 0.00 | 38.24 | 0.00 | 0. | 0.00 |
| 102 | 22.300 | 32.89 | 0.00 | 0.00 | 0.00 | 5.62 | 20.15 | 0.00 | 20.15 | 0.00 | 1.95 | 0.09 | 0.00 | 2.04 | 0.00 | 40.29 | 0.00 | 0. | 0.00 |
| 103 | 22.200 | 32.88 | 0.00 | 0.00 | 0.00 | 5.58 | 20.16 | 0.00 | 20.16 | 0.00 | 1.96 | 0.09 | 0.00 | 2.05 | 0.00 | 42.35 | 0.00 | 0. | 0.00 |
| 104 | 22.100 | 32.88 | 0.00 | 0.00 | 0.00 | 5.54 | 20.17 | 0.00 | 20.17 | 0.00 | 1.97 | 0.09 | 0.00 | 2.06 | 0.00 | 44.41 | 0.00 | 0. | 0.00 |
| 105 | 22.000 | 32.88 | 0.00 | 0.00 | 0.00 | 5.51 | 20.18 | 0.00 | 20.18 | 0.00 | 1.97 | 0.09 | 0.00 | 2.06 | 0.00 | 46.47 | 0.00 | 0. | 0.00 |
| 106 | 21.900 | 32.87 | 0.00 | 0.00 | 0.00 | 5.47 | 20.19 | 0.00 | 20.19 | 0.00 | 1.98 | 0.09 | 0.00 | 2.07 | 0.00 | 48.53 | 0.00 | 0. | 0.00 |
| 107 | 21.800 | 32.87 | 0.00 | 0.00 | 0.00 | 5.44 | 20.20 | 0.00 | 20.20 | 0.00 | 1.99 | 0.09 | 0.00 | 2.08 | 0.00 | 50.59 | 0.00 | 0. | 0.00 |
| 108 | 21.700 | 32.87 | 0.00 | 0.00 | 0.00 | 5.41 | 20.21 | 0.00 | 20.21 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 52.65 | 0.00 | 0. | 0.00 |
| 109 | 21.600 | 32.86 | 0.00 | 0.00 | 0.00 | 5.38 | 20.22 | 0.00 | 20.22 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 54.71 | 0.00 | 0. | 0.00 |
| 110 | 21.500 | 32.86 | 0.00 | 0.00 | 0.00 | 5.35 | 20.23 | 0.00 | 20.23 | 0.00 | 2.01 | 0.09 | 0.00 | 2.10 | 0.00 | 56.76 | 0.00 | 0. | 0.00 |
| 111 | 21.400 | 32.86 | 0.00 | 0.00 | 0.00 | 5.32 | 20.23 | 0.00 | 20.23 | 0.00 | 2.02 | 0.09 | 0.00 | 2.11 | 0.00 | 58.82 | 0.00 | 0. | 0.00 |
| 112 | 21.300 | 32.86 | 0.00 | 0.00 | 0.00 | 5.30 | 20.24 | 0.00 | 20.24 | 0.00 | 2.02 | 0.09 | 0.00 | 2.12 | 0.00 | 60.88 | 0.00 | 0. | 0.00 |
| 113 | 21.200 | 32.85 | 0.00 | 0.00 | 0.00 | 5.28 | 20.25 | 0.00 | 20.25 | 0.00 | 2.03 | 0.09 | 0.00 | 2.12 | 0.00 | 62.94 | 0.00 | 0. | 0.00 |
| 114 | 21.100 | 32.85 | 0.00 | 0.00 | 0.00 | 5.25 | 20.26 | 0.00 | 20.26 | 0.00 | 2.04 | 0.09 | 0.00 | 2.13 | 0.00 | 65.00 | 0.00 | 0. | 0.00 |
| 115 | 21.000 | 32.85 | 0.00 | 0.00 | 0.00 | 5.23 | 20.27 | 0.00 | 20.27 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 67.06 | 0.00 | 0. | 0.00 |
| 116 | 20.900 | 32.84 | 0.00 | 0.00 | 0.00 | 5.21 | 20.28 | 0.00 | 20.28 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 69.12 | 0.00 | 0. | 0.00 |
| 117 | 20.800 | 32.84 | 0.00 | 0.00 | 0.00 | 5.19 | 20.29 | 0.00 | 20.29 | 0.00 | 2.06 | 0.09 | 0.00 | 2.15 | 0.00 | 71.18 | 0.00 | 0. | 0.00 |
| 118 | 20.700 | 32.84 | 0.00 | 0.00 | 0.00 | 5.17 | 20.30 | 0.00 | 20.30 | 0.00 | 2.07 | 0.09 | 0.00 | 2.16 | 0.00 | 73.24 | 0.00 | 0. | 0.00 |
| 119 | 20.600 | 32.84 | 0.00 | 0.00 | 0.00 | 5.16 | 20.31 | 0.00 | 20.31 | 0.00 | 2.07 | 0.09 | 0.00 | 2.17 | 0.00 | 75.29 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 20.500 | 32.83 | 0.00 | 0.00 | 0.00 | 5.14 | 20.32 | 0.00 | 20.32 | 0.00 | 2.08 | 0.09 | 0.00 | 2.17 | 0.00 | 77.35 | 0.00 | 0. | 0.00 |
| 121 | 20.400 | 32.83 | 0.00 | 0.00 | 0.00 | 5.13 | 20.33 | 0.00 | 20.33 | 0.00 | 2.09 | 0.09 | 0.00 | 2.18 | 0.00 | 79.41 | 0.00 | 0. | 0.00 |
| 122 | 20.300 | 32.83 | 0.00 | 0.00 | 0.00 | 5.12 | 20.34 | 0.00 | 20.34 | 0.00 | 2.10 | 0.09 | 0.00 | 2.19 | 0.00 | 81.47 | 0.00 | 0. | 0.00 |
| 123 | 20.200 | 32.82 | 0.00 | 0.00 | 0.00 | 5.11 | 20.35 | 0.00 | 20.35 | 0.00 | 2.10 | 0.09 | 0.00 | 2.19 | 0.00 | 83.53 | 0.00 | 0. | 0.00 |
| 124 | 20.100 | 32.82 | 0.00 | 0.00 | 0.00 | 5.10 | 20.36 | 0.00 | 20.36 | 0.00 | 2.11 | 0.09 | 0.00 | 2.20 | 0.00 | 85.59 | 0.00 | 0. | 0.00 |
| 125 | 20.000 | 32.82 | 0.00 | 0.00 | 0.00 | 5.09 | 20.37 | 0.00 | 20.37 | 0.00 | 2.12 | 0.09 | 0.00 | 2.21 | 0.00 | 87.65 | 0.00 | 0. | 0.00 |
| 126 | 19.900 | 32.81 | 0.00 | 0.00 | 0.00 | 5.08 | 20.38 | 0.00 | 20.38 | 0.00 | 2.13 | 0.09 | 0.00 | 2.22 | 0.00 | 89.71 | 0.00 | 0. | 0.00 |
| 127 | 19.800 | 32.81 | 0.00 | 0.00 | 0.00 | 5.08 | 20.39 | 0.00 | 20.39 | 0.00 | 2.13 | 0.09 | 0.00 | 2.22 | 0.00 | 91.76 | 0.00 | 0. | 0.00 |
| 128 | 19.700 | 32.81 | 0.00 | 0.00 | 0.00 | 5.08 | 20.40 | 0.00 | 20.40 | 0.00 | 2.14 | 0.09 | 0.00 | 2.23 | 0.00 | 93.82 | 0.00 | 0. | 0.00 |
| 129 | 19.600 | 32.81 | 0.00 | 0.00 | 0.00 | 5.07 | 20.41 | 0.00 | 20.41 | 0.00 | 2.15 | 0.09 | 0.00 | 2.24 | 0.00 | 95.88 | 0.00 | 0. | 0.00 |
| 130 | 19.500 | 32.80 | 0.00 | 0.00 | 0.00 | 5.07 | 20.42 | 0.00 | 20.42 | 0.00 | 2.15 | 0.09 | 0.00 | 2.25 | 0.00 | 97.94 | 0.00 | 0. | 0.00 |
| 131 | 19.400 | 32.80 | 0.00 | 0.00 | 0.00 | 5.09 | 20.39 | 0.00 | 20.39 | 0.00 | 2.16 | 0.09 | 0.00 | 2.25 | 0.00 | 100.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Grassy Lake — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 5 Lake Verret 1 — Calibration Simulation for Lake Verret and Grassy Lake 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 #/100mL | NO3+2 | PHOS | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132 | UPR RCH | 60.70000 | 32.80 | 0.00 | 0.00 | 0.00 | 5.09 | 20.39 | 0.00 | 20.39 | 0.00 | 2.16 | 0.09 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| 132 | WSTLD | 30.10000 | 33.10 | 0.00 | 0.00 | 0.00 | 7.60 | 15.10 | 0.00 | 15.10 | 0.00 | 2.40 | 0.10 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | WSTLD | 0.00157 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 2.00 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | WSTLD | 0.00044 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 30.00 | 0.00 | 30.00 | 0.00 | 2.00 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW EFF m³/s | PCT VELO m/s | ADVCTV TIME days | TRAVEL m | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132 | 19.40 | 19.30 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 133 | 19.30 | 19.20 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 134 | 19.20 | 19.10 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 135 | 19.10 | 19.00 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 136 | 19.00 | 18.90 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 137 | 18.90 | 18.80 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 138 | 18.80 | 18.70 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 139 | 18.70 | 18.60 | 90.80000 | 33.1 | 0.03581 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 140 | 18.60 | 18.50 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 141 | 18.50 | 18.40 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 142 | 18.40 | 18.30 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 143 | 18.30 | 18.20 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 144 | 18.20 | 18.10 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 145 | 18.10 | 18.00 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 146 | 18.00 | 17.90 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | 17.90 | 17.80 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 148 | 17.80 | 17.70 | 90.80157 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 149 | 17.70 | 17.60 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 150 | 17.60 | 17.50 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 151 | 17.50 | 17.40 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 152 | 17.40 | 17.30 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 153 | 17.30 | 17.20 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 154 | 17.20 | 17.10 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 155 | 17.10 | 17.00 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 156 | 17.00 | 16.90 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 157 | 16.90 | 16.80 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 158 | 16.80 | 16.70 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 159 | 16.70 | 16.60 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 160 | 16.60 | 16.50 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 161 | 16.50 | 16.40 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 162 | 16.40 | 16.30 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 163 | 16.30 | 16.20 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 164 | 16.20 | 16.10 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 165 | 16.10 | 16.00 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 166 | 16.00 | 15.90 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 167 | 15.90 | 15.80 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 168 | 15.80 | 15.70 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 169 | 15.70 | 15.60 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 170 | 15.60 | 15.50 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 171 | 15.50 | 15.40 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 172 | 15.40 | 15.30 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 173 | 15.30 | 15.20 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 174 | 15.20 | 15.10 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 175 | 15.10 | 15.00 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 176 | 15.00 | 14.90 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 177 | 14.90 | 14.80 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 178 | 14.80 | 14.70 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 179 | 14.70 | 14.60 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |
| 180 | 14.60 | 14.50 | 90.80202 | 33.2 | 0.03582 | 0.03 | 1.34 | 1892.00 | 253528.00 | 189200.00 | 2535.28 | 0.00 | 0.000 | 0.042 | 0.036 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOT | | | | | | 1.58 | | | 12422872.00 | 9270800.00 | | | | | |
| AVG | | | | | 0.0358 | | 1.34 | 1892.00 | | | 2535.28 | | | | |
| CUM | | | | | | 3.03 | | | | | | | | | |

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132 | 19.300 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 133 | 19.200 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 134 | 19.100 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 135 | 19.000 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 3.36 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.03 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 136 | 18.900 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 18.800 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 18.700 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 18.600 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 18.500 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 18.400 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 18.300 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 18.200 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 18.100 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 18.000 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 17.900 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 17.800 | 7.21 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 17.700 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 17.600 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 17.500 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 17.400 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 17.300 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 17.200 | 7.22 | 0.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 17.100 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 17.000 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 16.900 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 16.800 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 16.700 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 16.600 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 16.500 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 16.400 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 16.300 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 9.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 16.200 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 16.100 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 16.000 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 15.900 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 15.800 | 7.22 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 15.700 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 15.600 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 15.500 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 15.400 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 15.300 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 15.200 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 15.100 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 15.000 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 9.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 14.900 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 14.800 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 14.700 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 14.600 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 14.500 | 7.23 | 0.70 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.56 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | | | 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 #/100mL | CHL A | MACRO | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 132 | 19.300 | 32.80 | 0.00 | 0.00 | 0.00 | 5.97 | 19.00 | 0.00 | 19.00 | 0.00 | 2.25 | 0.09 | 0.00 | 2.34 | 0.00 | 100.10 | 0.00 | 0. | 0.00 | |
| 133 | 19.200 | 32.79 | 0.00 | 0.00 | 0.00 | 6.02 | 19.34 | 0.00 | 19.34 | 0.00 | 2.25 | 0.10 | 0.00 | 2.35 | 0.00 | 100.20 | 0.00 | 0. | 0.00 | |
| 134 | 19.100 | 32.79 | 0.00 | 0.00 | 0.00 | 6.06 | 19.67 | 0.00 | 19.67 | 0.00 | 2.26 | 0.10 | 0.00 | 2.35 | 0.00 | 100.31 | 0.00 | 0. | 0.00 | |
| 135 | 19.000 | 32.78 | 0.00 | 0.00 | 0.00 | 6.11 | 20.00 | 0.00 | 20.00 | 0.00 | 2.26 | 0.10 | 0.00 | 2.36 | 0.00 | 100.41 | 0.00 | 0. | 0.00 | |
| 136 | 18.900 | 32.78 | 0.00 | 0.00 | 0.00 | 6.14 | 20.32 | 0.00 | 20.32 | 0.00 | 2.27 | 0.10 | 0.00 | 2.36 | 0.00 | 100.51 | 0.00 | 0. | 0.00 | |
| 137 | 18.800 | 32.78 | 0.00 | 0.00 | 0.00 | 6.18 | 20.65 | 0.00 | 20.65 | 0.00 | 2.27 | 0.10 | 0.00 | 2.37 | 0.00 | 100.61 | 0.00 | 0. | 0.00 | |
| 138 | 18.700 | 32.77 | 0.00 | 0.00 | 0.00 | 6.21 | 20.97 | 0.00 | 20.97 | 0.00 | 2.28 | 0.10 | 0.00 | 2.37 | 0.00 | 100.71 | 0.00 | 0. | 0.00 | |
| 139 | 18.600 | 32.77 | 0.00 | 0.00 | 0.00 | 6.24 | 21.29 | 0.00 | 21.29 | 0.00 | 2.28 | 0.10 | 0.00 | 2.38 | 0.00 | 100.82 | 0.00 | 0. | 0.00 | |
| 140 | 18.500 | 32.76 | 0.00 | 0.00 | 0.00 | 6.27 | 21.60 | 0.00 | 21.60 | 0.00 | 2.29 | 0.10 | 0.00 | 2.38 | 0.00 | 100.92 | 0.00 | 0. | 0.00 | |
| 141 | 18.400 | 32.76 | 0.00 | 0.00 | 0.00 | 6.29 | 21.91 | 0.00 | 21.91 | 0.00 | 2.29 | 0.10 | 0.00 | 2.39 | 0.00 | 101.02 | 0.00 | 0. | 0.00 | |
| 142 | 18.300 | 32.76 | 0.00 | 0.00 | 0.00 | 6.31 | 22.22 | 0.00 | 22.22 | 0.00 | 2.30 | 0.10 | 0.00 | 2.39 | 0.00 | 101.12 | 0.00 | 0. | 0.00 | |
| 143 | 18.200 | 32.75 | 0.00 | 0.00 | 0.00 | 6.33 | 22.53 | 0.00 | 22.53 | 0.00 | 2.30 | 0.10 | 0.00 | 2.40 | 0.00 | 101.22 | 0.00 | 0. | 0.00 | |
| 144 | 18.100 | 32.75 | 0.00 | 0.00 | 0.00 | 6.34 | 22.83 | 0.00 | 22.83 | 0.00 | 2.31 | 0.10 | 0.00 | 2.40 | 0.00 | 101.33 | 0.00 | 0. | 0.00 | |
| 145 | 18.000 | 32.74 | 0.00 | 0.00 | 0.00 | 6.35 | 23.13 | 0.00 | 23.13 | 0.00 | 2.31 | 0.10 | 0.00 | 2.41 | 0.00 | 101.43 | 0.00 | 0. | 0.00 | |
| 146 | 17.900 | 32.74 | 0.00 | 0.00 | 0.00 | 6.36 | 23.43 | 0.00 | 23.43 | 0.00 | 2.32 | 0.10 | 0.00 | 2.42 | 0.00 | 101.53 | 0.00 | 0. | 0.00 | |
| 147 | 17.800 | 32.73 | 0.00 | 0.00 | 0.00 | 6.37 | 23.72 | 0.00 | 23.72 | 0.00 | 2.32 | 0.10 | 0.00 | 2.42 | 0.00 | 101.63 | 0.00 | 0. | 0.00 | |
| 148 | 17.700 | 32.73 | 0.00 | 0.00 | 0.00 | 6.37 | 24.01 | 0.00 | 24.01 | 0.00 | 2.33 | 0.10 | 0.00 | 2.43 | 0.00 | 101.73 | 0.00 | 0. | 0.00 | |
| 149 | 17.600 | 32.73 | 0.00 | 0.00 | 0.00 | 6.37 | 24.30 | 0.00 | 24.30 | 0.00 | 2.33 | 0.10 | 0.00 | 2.43 | 0.00 | 101.84 | 0.00 | 0. | 0.00 | |
| 150 | 17.500 | 32.72 | 0.00 | 0.00 | 0.00 | 6.37 | 24.59 | 0.00 | 24.59 | 0.00 | 2.34 | 0.10 | 0.00 | 2.44 | 0.00 | 101.94 | 0.00 | 0. | 0.00 | |
| 151 | 17.400 | 32.72 | 0.00 | 0.00 | 0.00 | 6.37 | 24.87 | 0.00 | 24.87 | 0.00 | 2.34 | 0.10 | 0.00 | 2.44 | 0.00 | 102.04 | 0.00 | 0. | 0.00 | |
| 152 | 17.300 | 32.71 | 0.00 | 0.00 | 0.00 | 6.36 | 25.16 | 0.00 | 25.16 | 0.00 | 2.35 | 0.10 | 0.00 | 2.45 | 0.00 | 102.14 | 0.00 | 0. | 0.00 | |
| 153 | 17.200 | 32.71 | 0.00 | 0.00 | 0.00 | 6.35 | 25.44 | 0.00 | 25.44 | 0.00 | 2.35 | 0.10 | 0.00 | 2.45 | 0.00 | 102.24 | 0.00 | 0. | 0.00 | |
| 154 | 17.100 | 32.71 | 0.00 | 0.00 | 0.00 | 6.34 | 25.71 | 0.00 | 25.71 | 0.00 | 2.36 | 0.10 | 0.00 | 2.46 | 0.00 | 102.35 | 0.00 | 0. | 0.00 | |
| 155 | 17.000 | 32.70 | 0.00 | 0.00 | 0.00 | 6.33 | 25.99 | 0.00 | 25.99 | 0.00 | 2.36 | 0.10 | 0.00 | 2.46 | 0.00 | 102.45 | 0.00 | 0. | 0.00 | |
| 156 | 16.900 | 32.70 | 0.00 | 0.00 | 0.00 | 6.32 | 26.26 | 0.00 | 26.26 | 0.00 | 2.37 | 0.10 | 0.00 | 2.47 | 0.00 | 102.55 | 0.00 | 0. | 0.00 | |
| 157 | 16.800 | 32.69 | 0.00 | 0.00 | 0.00 | 6.30 | 26.53 | 0.00 | 26.53 | 0.00 | 2.37 | 0.10 | 0.00 | 2.47 | 0.00 | 102.65 | 0.00 | 0. | 0.00 | |
| 158 | 16.700 | 32.69 | 0.00 | 0.00 | 0.00 | 6.28 | 26.79 | 0.00 | 26.79 | 0.00 | 2.38 | 0.10 | 0.00 | 2.48 | 0.00 | 102.76 | 0.00 | 0. | 0.00 | |
| 159 | 16.600 | 32.69 | 0.00 | 0.00 | 0.00 | 6.27 | 27.06 | 0.00 | 27.06 | 0.00 | 2.38 | 0.10 | 0.00 | 2.48 | 0.00 | 102.86 | 0.00 | 0. | 0.00 | |
| 160 | 16.500 | 32.68 | 0.00 | 0.00 | 0.00 | 6.24 | 27.32 | 0.00 | 27.32 | 0.00 | 2.39 | 0.10 | 0.00 | 2.49 | 0.00 | 102.96 | 0.00 | 0. | 0.00 | |
| 161 | 16.400 | 32.68 | 0.00 | 0.00 | 0.00 | 6.22 | 27.58 | 0.00 | 27.58 | 0.00 | 2.39 | 0.10 | 0.00 | 2.49 | 0.00 | 103.06 | 0.00 | 0. | 0.00 | |
| 162 | 16.300 | 32.67 | 0.00 | 0.00 | 0.00 | 6.20 | 27.84 | 0.00 | 27.84 | 0.00 | 2.40 | 0.10 | 0.00 | 2.50 | 0.00 | 103.16 | 0.00 | 0. | 0.00 | |
| 163 | 16.200 | 32.67 | 0.00 | 0.00 | 0.00 | 6.17 | 28.09 | 0.00 | 28.09 | 0.00 | 2.40 | 0.10 | 0.00 | 2.51 | 0.00 | 103.27 | 0.00 | 0. | 0.00 | |
| 164 | 16.100 | 32.67 | 0.00 | 0.00 | 0.00 | 6.15 | 28.35 | 0.00 | 28.35 | 0.00 | 2.41 | 0.10 | 0.00 | 2.51 | 0.00 | 103.37 | 0.00 | 0. | 0.00 | |
| 165 | 16.000 | 32.66 | 0.00 | 0.00 | 0.00 | 6.12 | 28.60 | 0.00 | 28.60 | 0.00 | 2.41 | 0.10 | 0.00 | 2.52 | 0.00 | 103.47 | 0.00 | 0. | 0.00 | |
| 166 | 15.900 | 32.66 | 0.00 | 0.00 | 0.00 | 6.09 | 28.85 | 0.00 | 28.85 | 0.00 | 2.42 | 0.10 | 0.00 | 2.52 | 0.00 | 103.57 | 0.00 | 0. | 0.00 | |
| 167 | 15.800 | 32.65 | 0.00 | 0.00 | 0.00 | 6.06 | 29.09 | 0.00 | 29.09 | 0.00 | 2.42 | 0.10 | 0.00 | 2.53 | 0.00 | 103.67 | 0.00 | 0. | 0.00 | |
| 168 | 15.700 | 32.65 | 0.00 | 0.00 | 0.00 | 6.03 | 29.34 | 0.00 | 29.34 | 0.00 | 2.43 | 0.10 | 0.00 | 2.53 | 0.00 | 103.78 | 0.00 | 0. | 0.00 | |
| 169 | 15.600 | 32.64 | 0.00 | 0.00 | 0.00 | 5.99 | 29.58 | 0.00 | 29.58 | 0.00 | 2.43 | 0.10 | 0.00 | 2.54 | 0.00 | 103.88 | 0.00 | 0. | 0.00 | |
| 170 | 15.500 | 32.64 | 0.00 | 0.00 | 0.00 | 5.96 | 29.82 | 0.00 | 29.82 | 0.00 | 2.44 | 0.10 | 0.00 | 2.54 | 0.00 | 103.98 | 0.00 | 0. | 0.00 | |
| 171 | 15.400 | 32.64 | 0.00 | 0.00 | 0.00 | 5.92 | 30.05 | 0.00 | 30.05 | 0.00 | 2.44 | 0.10 | 0.00 | 2.55 | 0.00 | 104.08 | 0.00 | 0. | 0.00 | |
| 172 | 15.300 | 32.63 | 0.00 | 0.00 | 0.00 | 5.89 | 30.29 | 0.00 | 30.29 | 0.00 | 2.45 | 0.10 | 0.00 | 2.55 | 0.00 | 104.18 | 0.00 | 0. | 0.00 | |
| 173 | 15.200 | 32.63 | 0.00 | 0.00 | 0.00 | 5.85 | 30.52 | 0.00 | 30.52 | 0.00 | 2.45 | 0.11 | 0.00 | 2.56 | 0.00 | 104.29 | 0.00 | 0. | 0.00 | |
| 174 | 15.100 | 32.62 | 0.00 | 0.00 | 0.00 | 5.81 | 30.75 | 0.00 | 30.75 | 0.00 | 2.46 | 0.11 | 0.00 | 2.56 | 0.00 | 104.39 | 0.00 | 0. | 0.00 | |
| 175 | 15.000 | 32.62 | 0.00 | 0.00 | 0.00 | 5.77 | 30.98 | 0.00 | 30.98 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 104.49 | 0.00 | 0. | 0.00 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 176 | 14.900 | 32.62 | 0.00 | 0.00 | 0.00 | 5.73 | 31.21 | 0.00 | 31.21 | 0.00 | 2.47 | 0.11 | 0.00 | 2.57 | 0.00 | 104.59 | 0.00 | 0. | 0.00 |
| 177 | 14.800 | 32.61 | 0.00 | 0.00 | 0.00 | 5.69 | 31.43 | 0.00 | 31.43 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 104.69 | 0.00 | 0. | 0.00 |
| 178 | 14.700 | 32.61 | 0.00 | 0.00 | 0.00 | 5.65 | 31.66 | 0.00 | 31.66 | 0.00 | 2.48 | 0.11 | 0.00 | 2.58 | 0.00 | 104.80 | 0.00 | 0. | 0.00 |
| 179 | 14.600 | 32.60 | 0.00 | 0.00 | 0.00 | 5.61 | 31.88 | 0.00 | 31.88 | 0.00 | 2.48 | 0.11 | 0.00 | 2.59 | 0.00 | 104.90 | 0.00 | 0. | 0.00 |
| 180 | 14.500 | 32.60 | 0.00 | 0.00 | 0.00 | 5.56 | 32.09 | 0.00 | 32.09 | 0.00 | 2.49 | 0.11 | 0.00 | 2.59 | 0.00 | 105.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Grassy Lake — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 6 Lake Verret 2 — Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | UPR RCH | 90.80202 | 32.60 | 0.00 | 0.00 | 0.00 | 5.56 | 32.09 | 0.00 | 32.09 | 0.00 | 2.49 | 0.11 | 0.00 | 0.00 | 105.00 | 0.00 | 0.00 |
| 208 | WSTLD | 0.00125 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 20.00 | 0.00 | 20.00 | 0.00 | 2.00 | 1.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | WSTLD | 0.00922 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 11.80 | 0.00 | 11.80 | 0.00 | 2.00 | 5.72 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | 14.50 | 14.40 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 182 | 14.40 | 14.30 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 183 | 14.30 | 14.20 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 184 | 14.20 | 14.10 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 185 | 14.10 | 14.00 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 186 | 14.00 | 13.90 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 187 | 13.90 | 13.80 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 188 | 13.80 | 13.70 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 189 | 13.70 | 13.60 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 190 | 13.60 | 13.50 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 191 | 13.50 | 13.40 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 192 | 13.40 | 13.30 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 193 | 13.30 | 13.20 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 194 | 13.20 | 13.10 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 195 | 13.10 | 13.00 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 196 | 13.00 | 12.90 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 197 | 12.90 | 12.80 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 198 | 12.80 | 12.70 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 199 | 12.70 | 12.60 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 200 | 12.60 | 12.50 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 201 | 12.50 | 12.40 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 202 | 12.40 | 12.30 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 203 | 12.30 | 12.20 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | 12.20 | 12.10 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 205 | 12.10 | 12.00 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 206 | 12.00 | 11.90 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 207 | 11.90 | 11.80 | 90.80202 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 208 | 11.80 | 11.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 209 | 11.70 | 11.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 210 | 11.60 | 11.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 211 | 11.50 | 11.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 212 | 11.40 | 11.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 213 | 11.30 | 11.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 214 | 11.20 | 11.10 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 215 | 11.10 | 11.00 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 216 | 11.00 | 10.90 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 217 | 10.90 | 10.80 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 218 | 10.80 | 10.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 219 | 10.70 | 10.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 220 | 10.60 | 10.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 221 | 10.50 | 10.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 222 | 10.40 | 10.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 223 | 10.30 | 10.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 224 | 10.20 | 10.10 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 225 | 10.10 | 10.00 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 226 | 10.00 | 9.90 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 227 | 9.90 | 9.80 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 228 | 9.80 | 9.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 229 | 9.70 | 9.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 230 | 9.60 | 9.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 231 | 9.50 | 9.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 232 | 9.40 | 9.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 233 | 9.30 | 9.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 234 | 9.20 | 9.10 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 235 | 9.10 | 9.00 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 236 | 9.00 | 8.90 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 237 | 8.90 | 8.80 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 238 | 8.80 | 8.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 239 | 8.70 | 8.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 240 | 8.60 | 8.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 241 | 8.50 | 8.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 242 | 8.40 | 8.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 243 | 8.30 | 8.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 244 | 8.20 | 8.10 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 245 | 8.10 | 8.00 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 246 | 8.00 | 7.90 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 247 | 7.90 | 7.80 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 248 | 7.80 | 7.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 249 | 7.70 | 7.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 250 | 7.60 | 7.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 251 | 7.50 | 7.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 252 | 7.40 | 7.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 253 | 7.30 | 7.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 254 | 7.20 | 7.10 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 255 | 7.10 | 7.00 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 256 | 7.00 | 6.90 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 257 | 6.90 | 6.80 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 258 | 6.80 | 6.70 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 259 | 6.70 | 6.60 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 260 | 6.60 | 6.50 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 261 | 6.50 | 6.40 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 262 | 6.40 | 6.30 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 263 | 6.30 | 6.20 | 90.80327 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 264 | 6.20 | 6.10 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 265 | 6.10 | 6.00 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 266 | 6.00 | 5.90 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 267 | 5.90 | 5.80 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 268 | 5.80 | 5.70 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 269 | 5.70 | 5.60 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 270 | 5.60 | 5.50 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 271 | 5.50 | 5.40 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 272 | 5.40 | 5.30 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 273 | 5.30 | 5.20 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 274 | 5.20 | 5.10 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 275 | 5.10 | 5.00 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 276 | 5.00 | 4.90 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 277 | 4.90 | 4.80 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 278 | 4.80 | 4.70 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 279 | 4.70 | 4.60 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 280 | 4.60 | 4.50 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 281 | 4.50 | 4.40 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 282 | 4.40 | 4.30 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 283 | 4.30 | 4.20 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 284 | 4.20 | 4.10 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 285 | 4.10 | 4.00 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 286 | 4.00 | 3.90 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 287 | 3.90 | 3.80 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 288 | 3.80 | 3.70 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 289 | 3.70 | 3.60 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 290 | 3.60 | 3.50 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 291 | 3.50 | 3.40 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 292 | 3.40 | 3.30 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 293 | 3.30 | 3.20 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 294 | 3.20 | 3.10 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 295 | 3.10 | 3.00 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |
| 296 | 3.00 | 2.90 | 90.81248 | 33.2 | 0.01042 | 0.11 | 2.13 | 4092.00 | 871596.12 | 409200.00 | 8715.96 | 0.00 | 0.000 | 0.018 | 0.010 |

| | | | | | | |
|---|---|---|---|---|---|---|
| TOT | | | 12.89 | | **********47467200.00 | |
| AVG | | 0.0104 | | 2.13 4092.00 | | 8715.95 |
| CUM | | | 15.92 | | | |

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

| ELEM NO. | ENDING DIST mg/L | SAT D.O. 1/da | REAER RATE 1/da | REAER DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD 1/da | BKGD SOD 1/da | BKGD SOD * | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN SETT ** | ORGN DECAY 1/da | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | 14.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.32 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 182 | 14.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.28 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 183 | 14.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.24 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 184 | 14.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 185 | 14.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.15 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 186 | 13.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.11 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 187 | 13.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 188 | 13.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 9.02 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 189 | 13.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.98 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 190 | 13.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.94 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 191 | 13.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.90 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 192 | 13.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.85 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 193 | 13.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.81 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 194 | 13.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.77 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 195 | 13.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.73 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 196 | 12.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.68 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 197 | 12.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 8.64 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 198 | 12.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.60 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 199 | 12.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.55 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 200 | 12.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 201 | 12.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.47 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 202 | 12.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.43 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 203 | 12.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 204 | 12.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.34 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 205 | 12.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 8.30 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 206 | 11.900 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.26 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 207 | 11.800 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.21 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 208 | 11.700 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.17 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 209 | 11.600 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.13 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 210 | 11.500 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.09 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 211 | 11.400 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.04 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 212 | 11.300 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 213 | 11.200 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.96 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 214 | 11.100 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.92 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 215 | 11.000 | 7.23 | 0.44 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 7.87 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 216 | 10.900 | 7.23 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 217 | 10.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.79 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 218 | 10.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 219 | 10.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.70 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 220 | 10.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.66 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 221 | 10.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.62 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 222 | 10.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.58 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 223 | 10.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 224 | 10.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.49 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 225 | 10.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 226 | 9.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 9.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 9.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 9.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 9.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 9.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 9.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 9.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 9.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 9.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 7.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 8.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 8.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 8.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 8.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 240 | 8.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 8.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 8.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 8.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 8.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 8.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 7.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 7.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 7.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 7.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 7.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 7.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 7.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 7.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 7.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 7.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 6.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 6.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 6.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 6.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 6.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 6.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 6.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 6.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 6.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 6.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 6.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 5.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 5.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 5.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 5.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 5.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 5.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 5.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 5.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 5.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 5.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 276 | 4.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 4.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 5.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 4.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 4.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 280 | 4.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 4.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 4.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 4.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 4.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 4.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 3.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 3.800 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 3.700 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 3.600 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 3.500 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 3.400 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 3.300 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 3.200 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 3.100 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 3.000 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 2.900 | 7.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.35 0.16 0.00 0.00 0.00 0.00 0.00 1.50 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 #/100mL | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | 14.400 | 32.60 | 0.00 | 0.00 | 0.00 | 5.49 | 31.48 | 0.00 | 31.48 | 0.00 | 2.48 | 0.11 | 0.00 | 2.59 | 0.00 | 104.53 | 0.00 | 0. | 0.00 |
| 182 | 14.300 | 32.60 | 0.00 | 0.00 | 0.00 | 5.43 | 30.90 | 0.00 | 30.90 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 104.05 | 0.00 | 0. | 0.00 |
| 183 | 14.200 | 32.60 | 0.00 | 0.00 | 0.00 | 5.38 | 30.33 | 0.00 | 30.33 | 0.00 | 2.47 | 0.11 | 0.00 | 2.58 | 0.00 | 103.58 | 0.00 | 0. | 0.00 |
| 184 | 14.100 | 32.60 | 0.00 | 0.00 | 0.00 | 5.35 | 29.78 | 0.00 | 29.78 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 103.10 | 0.00 | 0. | 0.00 |
| 185 | 14.000 | 32.60 | 0.00 | 0.00 | 0.00 | 5.34 | 29.25 | 0.00 | 29.25 | 0.00 | 2.46 | 0.11 | 0.00 | 2.57 | 0.00 | 102.63 | 0.00 | 0. | 0.00 |
| 186 | 13.900 | 32.59 | 0.00 | 0.00 | 0.00 | 5.33 | 28.74 | 0.00 | 28.74 | 0.00 | 2.45 | 0.11 | 0.00 | 2.56 | 0.00 | 102.16 | 0.00 | 0. | 0.00 |
| 187 | 13.800 | 32.59 | 0.00 | 0.00 | 0.00 | 5.34 | 28.24 | 0.00 | 28.24 | 0.00 | 2.44 | 0.11 | 0.00 | 2.55 | 0.00 | 101.68 | 0.00 | 0. | 0.00 |
| 188 | 13.700 | 32.59 | 0.00 | 0.00 | 0.00 | 5.35 | 27.75 | 0.00 | 27.75 | 0.00 | 2.44 | 0.11 | 0.00 | 2.55 | 0.00 | 101.21 | 0.00 | 0. | 0.00 |
| 189 | 13.600 | 32.59 | 0.00 | 0.00 | 0.00 | 5.37 | 27.29 | 0.00 | 27.29 | 0.00 | 2.43 | 0.11 | 0.00 | 2.54 | 0.00 | 100.73 | 0.00 | 0. | 0.00 |
| 190 | 13.500 | 32.59 | 0.00 | 0.00 | 0.00 | 5.41 | 26.83 | 0.00 | 26.83 | 0.00 | 2.42 | 0.11 | 0.00 | 2.54 | 0.00 | 100.26 | 0.00 | 0. | 0.00 |
| 191 | 13.400 | 32.59 | 0.00 | 0.00 | 0.00 | 5.45 | 26.39 | 0.00 | 26.39 | 0.00 | 2.42 | 0.11 | 0.00 | 2.53 | 0.00 | 99.78 | 0.00 | 0. | 0.00 |
| 192 | 13.300 | 32.59 | 0.00 | 0.00 | 0.00 | 5.49 | 25.96 | 0.00 | 25.96 | 0.00 | 2.41 | 0.12 | 0.00 | 2.53 | 0.00 | 99.31 | 0.00 | 0. | 0.00 |
| 193 | 13.200 | 32.59 | 0.00 | 0.00 | 0.00 | 5.54 | 25.55 | 0.00 | 25.55 | 0.00 | 2.40 | 0.12 | 0.00 | 2.52 | 0.00 | 98.84 | 0.00 | 0. | 0.00 |
| 194 | 13.100 | 32.59 | 0.00 | 0.00 | 0.00 | 5.60 | 25.15 | 0.00 | 25.15 | 0.00 | 2.40 | 0.12 | 0.00 | 2.51 | 0.00 | 98.36 | 0.00 | 0. | 0.00 |
| 195 | 13.000 | 32.59 | 0.00 | 0.00 | 0.00 | 5.66 | 24.76 | 0.00 | 24.76 | 0.00 | 2.39 | 0.12 | 0.00 | 2.51 | 0.00 | 97.89 | 0.00 | 0. | 0.00 |
| 196 | 12.900 | 32.59 | 0.00 | 0.00 | 0.00 | 5.72 | 24.38 | 0.00 | 24.38 | 0.00 | 2.38 | 0.12 | 0.00 | 2.50 | 0.00 | 97.41 | 0.00 | 0. | 0.00 |
| 197 | 12.800 | 32.59 | 0.00 | 0.00 | 0.00 | 5.79 | 24.02 | 0.00 | 24.02 | 0.00 | 2.38 | 0.12 | 0.00 | 2.49 | 0.00 | 96.94 | 0.00 | 0. | 0.00 |
| 198 | 12.700 | 32.58 | 0.00 | 0.00 | 0.00 | 5.86 | 23.66 | 0.00 | 23.66 | 0.00 | 2.37 | 0.12 | 0.00 | 2.49 | 0.00 | 96.47 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 199 | 12.600 | 32.58 | 0.00 | 0.00 | 0.00 | 5.94 | 23.32 | 0.00 | 23.32 | 0.00 | 2.37 | 0.12 | 0.00 | 2.48 | 0.00 | 95.99 | 0.00 | 0. | 0.00 |
| 200 | 12.500 | 32.58 | 0.00 | 0.00 | 0.00 | 6.01 | 22.99 | 0.00 | 22.99 | 0.00 | 2.36 | 0.12 | 0.00 | 2.48 | 0.00 | 95.52 | 0.00 | 0. | 0.00 |
| 201 | 12.400 | 32.58 | 0.00 | 0.00 | 0.00 | 6.09 | 22.67 | 0.00 | 22.67 | 0.00 | 2.35 | 0.12 | 0.00 | 2.47 | 0.00 | 95.04 | 0.00 | 0. | 0.00 |
| 202 | 12.300 | 32.58 | 0.00 | 0.00 | 0.00 | 6.17 | 22.35 | 0.00 | 22.35 | 0.00 | 2.35 | 0.12 | 0.00 | 2.46 | 0.00 | 94.57 | 0.00 | 0. | 0.00 |
| 203 | 12.200 | 32.58 | 0.00 | 0.00 | 0.00 | 6.25 | 22.05 | 0.00 | 22.05 | 0.00 | 2.34 | 0.12 | 0.00 | 2.46 | 0.00 | 94.09 | 0.00 | 0. | 0.00 |
| 204 | 12.100 | 32.58 | 0.00 | 0.00 | 0.00 | 6.33 | 21.76 | 0.00 | 21.76 | 0.00 | 2.33 | 0.12 | 0.00 | 2.45 | 0.00 | 93.62 | 0.00 | 0. | 0.00 |
| 205 | 12.000 | 32.58 | 0.00 | 0.00 | 0.00 | 6.41 | 21.47 | 0.00 | 21.47 | 0.00 | 2.33 | 0.12 | 0.00 | 2.44 | 0.00 | 93.15 | 0.00 | 0. | 0.00 |
| 206 | 11.900 | 32.58 | 0.00 | 0.00 | 0.00 | 6.49 | 21.20 | 0.00 | 21.20 | 0.00 | 2.32 | 0.12 | 0.00 | 2.44 | 0.00 | 92.67 | 0.00 | 0. | 0.00 |
| 207 | 11.800 | 32.58 | 0.00 | 0.00 | 0.00 | 6.57 | 20.93 | 0.00 | 20.93 | 0.00 | 2.32 | 0.12 | 0.00 | 2.43 | 0.00 | 92.20 | 0.00 | 0. | 0.00 |
| 208 | 11.700 | 32.58 | 0.00 | 0.00 | 0.00 | 6.65 | 20.67 | 0.00 | 20.67 | 0.00 | 2.31 | 0.12 | 0.00 | 2.43 | 0.00 | 91.72 | 0.00 | 0. | 0.00 |
| 209 | 11.600 | 32.58 | 0.00 | 0.00 | 0.00 | 6.73 | 20.42 | 0.00 | 20.42 | 0.00 | 2.30 | 0.12 | 0.00 | 2.42 | 0.00 | 91.25 | 0.00 | 0. | 0.00 |
| 210 | 11.500 | 32.57 | 0.00 | 0.00 | 0.00 | 6.81 | 20.18 | 0.00 | 20.18 | 0.00 | 2.30 | 0.12 | 0.00 | 2.41 | 0.00 | 90.78 | 0.00 | 0. | 0.00 |
| 211 | 11.400 | 32.57 | 0.00 | 0.00 | 0.00 | 6.88 | 19.94 | 0.00 | 19.94 | 0.00 | 2.29 | 0.11 | 0.00 | 2.41 | 0.00 | 90.30 | 0.00 | 0. | 0.00 |
| 212 | 11.300 | 32.57 | 0.00 | 0.00 | 0.00 | 6.96 | 19.71 | 0.00 | 19.71 | 0.00 | 2.29 | 0.11 | 0.00 | 2.40 | 0.00 | 89.83 | 0.00 | 0. | 0.00 |
| 213 | 11.200 | 32.57 | 0.00 | 0.00 | 0.00 | 7.04 | 19.49 | 0.00 | 19.49 | 0.00 | 2.28 | 0.11 | 0.00 | 2.39 | 0.00 | 89.35 | 0.00 | 0. | 0.00 |
| 214 | 11.100 | 32.57 | 0.00 | 0.00 | 0.00 | 7.11 | 19.28 | 0.00 | 19.28 | 0.00 | 2.27 | 0.11 | 0.00 | 2.39 | 0.00 | 88.88 | 0.00 | 0. | 0.00 |
| 215 | 11.000 | 32.57 | 0.00 | 0.00 | 0.00 | 7.18 | 19.07 | 0.00 | 19.07 | 0.00 | 2.27 | 0.11 | 0.00 | 2.38 | 0.00 | 88.41 | 0.00 | 0. | 0.00 |
| 216 | 10.900 | 32.57 | 0.00 | 0.00 | 0.00 | 7.25 | 18.87 | 0.00 | 18.87 | 0.00 | 2.26 | 0.11 | 0.00 | 2.38 | 0.00 | 87.93 | 0.00 | 0. | 0.00 |
| 217 | 10.800 | 32.57 | 0.00 | 0.00 | 0.00 | 7.32 | 18.67 | 0.00 | 18.67 | 0.00 | 2.26 | 0.11 | 0.00 | 2.37 | 0.00 | 87.46 | 0.00 | 0. | 0.00 |
| 218 | 10.700 | 32.57 | 0.00 | 0.00 | 0.00 | 7.38 | 18.48 | 0.00 | 18.48 | 0.00 | 2.25 | 0.11 | 0.00 | 2.36 | 0.00 | 86.98 | 0.00 | 0. | 0.00 |
| 219 | 10.600 | 32.57 | 0.00 | 0.00 | 0.00 | 7.45 | 18.30 | 0.00 | 18.30 | 0.00 | 2.24 | 0.11 | 0.00 | 2.36 | 0.00 | 86.51 | 0.00 | 0. | 0.00 |
| 220 | 10.500 | 32.57 | 0.00 | 0.00 | 0.00 | 7.51 | 18.12 | 0.00 | 18.12 | 0.00 | 2.24 | 0.11 | 0.00 | 2.35 | 0.00 | 86.03 | 0.00 | 0. | 0.00 |
| 221 | 10.400 | 32.56 | 0.00 | 0.00 | 0.00 | 7.57 | 17.95 | 0.00 | 17.95 | 0.00 | 2.23 | 0.11 | 0.00 | 2.34 | 0.00 | 85.56 | 0.00 | 0. | 0.00 |
| 222 | 10.300 | 32.56 | 0.00 | 0.00 | 0.00 | 7.63 | 17.78 | 0.00 | 17.78 | 0.00 | 2.23 | 0.11 | 0.00 | 2.34 | 0.00 | 85.09 | 0.00 | 0. | 0.00 |
| 223 | 10.200 | 32.56 | 0.00 | 0.00 | 0.00 | 7.69 | 17.62 | 0.00 | 17.62 | 0.00 | 2.22 | 0.11 | 0.00 | 2.33 | 0.00 | 84.61 | 0.00 | 0. | 0.00 |
| 224 | 10.100 | 32.56 | 0.00 | 0.00 | 0.00 | 7.74 | 17.46 | 0.00 | 17.46 | 0.00 | 2.22 | 0.11 | 0.00 | 2.33 | 0.00 | 84.14 | 0.00 | 0. | 0.00 |
| 225 | 10.000 | 32.56 | 0.00 | 0.00 | 0.00 | 7.79 | 17.31 | 0.00 | 17.31 | 0.00 | 2.21 | 0.11 | 0.00 | 2.32 | 0.00 | 83.66 | 0.00 | 0. | 0.00 |
| 226 | 9.900 | 32.56 | 0.00 | 0.00 | 0.00 | 7.84 | 17.16 | 0.00 | 17.16 | 0.00 | 2.20 | 0.11 | 0.00 | 2.31 | 0.00 | 83.19 | 0.00 | 0. | 0.00 |
| 227 | 9.800 | 32.56 | 0.00 | 0.00 | 0.00 | 7.88 | 17.02 | 0.00 | 17.02 | 0.00 | 2.20 | 0.11 | 0.00 | 2.31 | 0.00 | 82.72 | 0.00 | 0. | 0.00 |
| 228 | 9.700 | 32.56 | 0.00 | 0.00 | 0.00 | 7.93 | 16.88 | 0.00 | 16.88 | 0.00 | 2.19 | 0.11 | 0.00 | 2.30 | 0.00 | 82.24 | 0.00 | 0. | 0.00 |
| 229 | 9.600 | 32.56 | 0.00 | 0.00 | 0.00 | 7.97 | 16.75 | 0.00 | 16.75 | 0.00 | 2.19 | 0.11 | 0.00 | 2.30 | 0.00 | 81.77 | 0.00 | 0. | 0.00 |
| 230 | 9.500 | 32.56 | 0.00 | 0.00 | 0.00 | 8.01 | 16.62 | 0.00 | 16.62 | 0.00 | 2.18 | 0.11 | 0.00 | 2.29 | 0.00 | 81.29 | 0.00 | 0. | 0.00 |
| 231 | 9.400 | 32.56 | 0.00 | 0.00 | 0.00 | 8.05 | 16.49 | 0.00 | 16.49 | 0.00 | 2.18 | 0.11 | 0.00 | 2.28 | 0.00 | 80.82 | 0.00 | 0. | 0.00 |
| 232 | 9.300 | 32.56 | 0.00 | 0.00 | 0.00 | 8.08 | 16.37 | 0.00 | 16.37 | 0.00 | 2.17 | 0.11 | 0.00 | 2.28 | 0.00 | 80.34 | 0.00 | 0. | 0.00 |
| 233 | 9.200 | 32.55 | 0.00 | 0.00 | 0.00 | 8.11 | 16.25 | 0.00 | 16.25 | 0.00 | 2.16 | 0.11 | 0.00 | 2.27 | 0.00 | 79.87 | 0.00 | 0. | 0.00 |
| 234 | 9.100 | 32.55 | 0.00 | 0.00 | 0.00 | 8.14 | 16.13 | 0.00 | 16.13 | 0.00 | 2.16 | 0.11 | 0.00 | 2.27 | 0.00 | 79.40 | 0.00 | 0. | 0.00 |
| 235 | 9.000 | 32.55 | 0.00 | 0.00 | 0.00 | 8.17 | 16.02 | 0.00 | 16.02 | 0.00 | 2.15 | 0.11 | 0.00 | 2.26 | 0.00 | 78.92 | 0.00 | 0. | 0.00 |
| 236 | 8.900 | 32.55 | 0.00 | 0.00 | 0.00 | 8.19 | 15.91 | 0.00 | 15.91 | 0.00 | 2.15 | 0.11 | 0.00 | 2.25 | 0.00 | 78.45 | 0.00 | 0. | 0.00 |
| 237 | 8.800 | 32.55 | 0.00 | 0.00 | 0.00 | 8.22 | 15.81 | 0.00 | 15.81 | 0.00 | 2.14 | 0.11 | 0.00 | 2.25 | 0.00 | 77.97 | 0.00 | 0. | 0.00 |
| 238 | 8.700 | 32.55 | 0.00 | 0.00 | 0.00 | 8.24 | 15.71 | 0.00 | 15.71 | 0.00 | 2.14 | 0.11 | 0.00 | 2.24 | 0.00 | 77.50 | 0.00 | 0. | 0.00 |
| 239 | 8.600 | 32.55 | 0.00 | 0.00 | 0.00 | 8.25 | 15.61 | 0.00 | 15.61 | 0.00 | 2.13 | 0.11 | 0.00 | 2.24 | 0.00 | 77.03 | 0.00 | 0. | 0.00 |
| 240 | 8.500 | 32.55 | 0.00 | 0.00 | 0.00 | 8.27 | 15.52 | 0.00 | 15.52 | 0.00 | 2.12 | 0.11 | 0.00 | 2.23 | 0.00 | 76.55 | 0.00 | 0. | 0.00 |
| 241 | 8.400 | 32.55 | 0.00 | 0.00 | 0.00 | 8.28 | 15.42 | 0.00 | 15.42 | 0.00 | 2.12 | 0.11 | 0.00 | 2.22 | 0.00 | 76.08 | 0.00 | 0. | 0.00 |
| 242 | 8.300 | 32.55 | 0.00 | 0.00 | 0.00 | 8.29 | 15.33 | 0.00 | 15.33 | 0.00 | 2.11 | 0.11 | 0.00 | 2.22 | 0.00 | 75.60 | 0.00 | 0. | 0.00 |
| 243 | 8.200 | 32.55 | 0.00 | 0.00 | 0.00 | 8.30 | 15.25 | 0.00 | 15.25 | 0.00 | 2.11 | 0.10 | 0.00 | 2.21 | 0.00 | 75.13 | 0.00 | 0. | 0.00 |
| 244 | 8.100 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 15.16 | 0.00 | 15.16 | 0.00 | 2.10 | 0.10 | 0.00 | 2.21 | 0.00 | 74.66 | 0.00 | 0. | 0.00 |
| 245 | 8.000 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 15.08 | 0.00 | 15.08 | 0.00 | 2.10 | 0.10 | 0.00 | 2.20 | 0.00 | 74.18 | 0.00 | 0. | 0.00 |
| 246 | 7.900 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 15.00 | 0.00 | 15.00 | 0.00 | 2.09 | 0.10 | 0.00 | 2.20 | 0.00 | 73.71 | 0.00 | 0. | 0.00 |
| 247 | 7.800 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 14.93 | 0.00 | 14.93 | 0.00 | 2.09 | 0.10 | 0.00 | 2.19 | 0.00 | 73.23 | 0.00 | 0. | 0.00 |
| 248 | 7.700 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 14.85 | 0.00 | 14.85 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 72.76 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 249 | 7.600 | 32.54 | 0.00 | 0.00 | 0.00 | 8.31 | 14.78 | 0.00 | 14.78 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 72.28 | 0.00 | 0. | 0.00 |
| 250 | 7.500 | 32.54 | 0.00 | 0.00 | 0.00 | 8.30 | 14.71 | 0.00 | 14.71 | 0.00 | 2.07 | 0.10 | 0.00 | 2.17 | 0.00 | 71.81 | 0.00 | 0. | 0.00 |
| 251 | 7.400 | 32.54 | 0.00 | 0.00 | 0.00 | 8.29 | 14.64 | 0.00 | 14.64 | 0.00 | 2.06 | 0.10 | 0.00 | 2.17 | 0.00 | 71.34 | 0.00 | 0. | 0.00 |
| 252 | 7.300 | 32.54 | 0.00 | 0.00 | 0.00 | 8.28 | 14.58 | 0.00 | 14.58 | 0.00 | 2.06 | 0.10 | 0.00 | 2.16 | 0.00 | 70.86 | 0.00 | 0. | 0.00 |
| 253 | 7.200 | 32.54 | 0.00 | 0.00 | 0.00 | 8.27 | 14.52 | 0.00 | 14.52 | 0.00 | 2.05 | 0.10 | 0.00 | 2.16 | 0.00 | 70.39 | 0.00 | 0. | 0.00 |
| 254 | 7.100 | 32.54 | 0.00 | 0.00 | 0.00 | 8.25 | 14.45 | 0.00 | 14.45 | 0.00 | 2.05 | 0.10 | 0.00 | 2.15 | 0.00 | 69.91 | 0.00 | 0. | 0.00 |
| 255 | 7.000 | 32.54 | 0.00 | 0.00 | 0.00 | 8.23 | 14.39 | 0.00 | 14.39 | 0.00 | 2.04 | 0.10 | 0.00 | 2.14 | 0.00 | 69.44 | 0.00 | 0. | 0.00 |
| 256 | 6.900 | 32.53 | 0.00 | 0.00 | 0.00 | 8.22 | 14.34 | 0.00 | 14.34 | 0.00 | 2.04 | 0.10 | 0.00 | 2.14 | 0.00 | 68.97 | 0.00 | 0. | 0.00 |
| 257 | 6.800 | 32.53 | 0.00 | 0.00 | 0.00 | 8.20 | 14.28 | 0.00 | 14.28 | 0.00 | 2.03 | 0.10 | 0.00 | 2.13 | 0.00 | 68.49 | 0.00 | 0. | 0.00 |
| 258 | 6.700 | 32.53 | 0.00 | 0.00 | 0.00 | 8.17 | 14.23 | 0.00 | 14.23 | 0.00 | 2.03 | 0.10 | 0.00 | 2.13 | 0.00 | 68.02 | 0.00 | 0. | 0.00 |
| 259 | 6.600 | 32.53 | 0.00 | 0.00 | 0.00 | 8.15 | 14.17 | 0.00 | 14.17 | 0.00 | 2.02 | 0.10 | 0.00 | 2.12 | 0.00 | 67.54 | 0.00 | 0. | 0.00 |
| 260 | 6.500 | 32.53 | 0.00 | 0.00 | 0.00 | 8.12 | 14.12 | 0.00 | 14.12 | 0.00 | 2.02 | 0.10 | 0.00 | 2.12 | 0.00 | 67.07 | 0.00 | 0. | 0.00 |
| 261 | 6.400 | 32.53 | 0.00 | 0.00 | 0.00 | 8.10 | 14.07 | 0.00 | 14.07 | 0.00 | 2.01 | 0.10 | 0.00 | 2.11 | 0.00 | 66.59 | 0.00 | 0. | 0.00 |
| 262 | 6.300 | 32.53 | 0.00 | 0.00 | 0.00 | 8.07 | 14.03 | 0.00 | 14.03 | 0.00 | 2.01 | 0.10 | 0.00 | 2.11 | 0.00 | 66.12 | 0.00 | 0. | 0.00 |
| 263 | 6.200 | 32.53 | 0.00 | 0.00 | 0.00 | 8.04 | 13.98 | 0.00 | 13.98 | 0.00 | 2.00 | 0.10 | 0.00 | 2.10 | 0.00 | 65.65 | 0.00 | 0. | 0.00 |
| 264 | 6.100 | 32.53 | 0.00 | 0.00 | 0.00 | 8.00 | 13.94 | 0.00 | 13.94 | 0.00 | 2.00 | 0.10 | 0.00 | 2.10 | 0.00 | 65.17 | 0.00 | 0. | 0.00 |
| 265 | 6.000 | 32.53 | 0.00 | 0.00 | 0.00 | 7.97 | 13.89 | 0.00 | 13.89 | 0.00 | 1.99 | 0.10 | 0.00 | 2.09 | 0.00 | 64.70 | 0.00 | 0. | 0.00 |
| 266 | 5.900 | 32.53 | 0.00 | 0.00 | 0.00 | 7.93 | 13.85 | 0.00 | 13.85 | 0.00 | 1.99 | 0.10 | 0.00 | 2.08 | 0.00 | 64.22 | 0.00 | 0. | 0.00 |
| 267 | 5.800 | 32.53 | 0.00 | 0.00 | 0.00 | 7.90 | 13.81 | 0.00 | 13.81 | 0.00 | 1.98 | 0.10 | 0.00 | 2.08 | 0.00 | 63.75 | 0.00 | 0. | 0.00 |
| 268 | 5.700 | 32.52 | 0.00 | 0.00 | 0.00 | 7.86 | 13.77 | 0.00 | 13.77 | 0.00 | 1.98 | 0.10 | 0.00 | 2.07 | 0.00 | 63.28 | 0.00 | 0. | 0.00 |
| 269 | 5.600 | 32.52 | 0.00 | 0.00 | 0.00 | 7.82 | 13.73 | 0.00 | 13.73 | 0.00 | 1.97 | 0.10 | 0.00 | 2.07 | 0.00 | 62.80 | 0.00 | 0. | 0.00 |
| 270 | 5.500 | 32.52 | 0.00 | 0.00 | 0.00 | 7.78 | 13.69 | 0.00 | 13.69 | 0.00 | 1.96 | 0.10 | 0.00 | 2.06 | 0.00 | 62.33 | 0.00 | 0. | 0.00 |
| 271 | 5.400 | 32.52 | 0.00 | 0.00 | 0.00 | 7.74 | 13.66 | 0.00 | 13.66 | 0.00 | 1.96 | 0.10 | 0.00 | 2.06 | 0.00 | 61.85 | 0.00 | 0. | 0.00 |
| 272 | 5.300 | 32.52 | 0.00 | 0.00 | 0.00 | 7.69 | 13.62 | 0.00 | 13.62 | 0.00 | 1.95 | 0.10 | 0.00 | 2.05 | 0.00 | 61.38 | 0.00 | 0. | 0.00 |
| 273 | 5.200 | 32.52 | 0.00 | 0.00 | 0.00 | 7.65 | 13.59 | 0.00 | 13.59 | 0.00 | 1.95 | 0.10 | 0.00 | 2.05 | 0.00 | 60.91 | 0.00 | 0. | 0.00 |
| 274 | 5.100 | 32.52 | 0.00 | 0.00 | 0.00 | 7.60 | 13.56 | 0.00 | 13.56 | 0.00 | 1.94 | 0.10 | 0.00 | 2.04 | 0.00 | 60.43 | 0.00 | 0. | 0.00 |
| 275 | 5.000 | 32.52 | 0.00 | 0.00 | 0.00 | 7.55 | 13.53 | 0.00 | 13.53 | 0.00 | 1.94 | 0.10 | 0.00 | 2.04 | 0.00 | 59.96 | 0.00 | 0. | 0.00 |
| 276 | 4.900 | 32.52 | 0.00 | 0.00 | 0.00 | 7.50 | 13.50 | 0.00 | 13.50 | 0.00 | 1.93 | 0.10 | 0.00 | 2.03 | 0.00 | 59.48 | 0.00 | 0. | 0.00 |
| 277 | 4.800 | 32.52 | 0.00 | 0.00 | 0.00 | 7.45 | 13.47 | 0.00 | 13.47 | 0.00 | 1.93 | 0.10 | 0.00 | 2.03 | 0.00 | 59.01 | 0.00 | 0. | 0.00 |
| 278 | 4.700 | 32.52 | 0.00 | 0.00 | 0.00 | 7.40 | 13.44 | 0.00 | 13.44 | 0.00 | 1.92 | 0.10 | 0.00 | 2.02 | 0.00 | 58.53 | 0.00 | 0. | 0.00 |
| 279 | 4.600 | 32.51 | 0.00 | 0.00 | 0.00 | 7.35 | 13.41 | 0.00 | 13.41 | 0.00 | 1.92 | 0.10 | 0.00 | 2.02 | 0.00 | 58.06 | 0.00 | 0. | 0.00 |
| 280 | 4.500 | 32.51 | 0.00 | 0.00 | 0.00 | 7.30 | 13.38 | 0.00 | 13.38 | 0.00 | 1.91 | 0.10 | 0.00 | 2.01 | 0.00 | 57.59 | 0.00 | 0. | 0.00 |
| 281 | 4.400 | 32.51 | 0.00 | 0.00 | 0.00 | 7.24 | 13.36 | 0.00 | 13.36 | 0.00 | 1.91 | 0.10 | 0.00 | 2.01 | 0.00 | 57.11 | 0.00 | 0. | 0.00 |
| 282 | 4.300 | 32.51 | 0.00 | 0.00 | 0.00 | 7.19 | 13.33 | 0.00 | 13.33 | 0.00 | 1.90 | 0.10 | 0.00 | 2.00 | 0.00 | 56.64 | 0.00 | 0. | 0.00 |
| 283 | 4.200 | 32.51 | 0.00 | 0.00 | 0.00 | 7.13 | 13.31 | 0.00 | 13.31 | 0.00 | 1.90 | 0.10 | 0.00 | 2.00 | 0.00 | 56.16 | 0.00 | 0. | 0.00 |
| 284 | 4.100 | 32.51 | 0.00 | 0.00 | 0.00 | 7.07 | 13.28 | 0.00 | 13.28 | 0.00 | 1.90 | 0.09 | 0.00 | 1.99 | 0.00 | 55.69 | 0.00 | 0. | 0.00 |
| 285 | 4.000 | 32.51 | 0.00 | 0.00 | 0.00 | 7.01 | 13.26 | 0.00 | 13.26 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 55.22 | 0.00 | 0. | 0.00 |
| 286 | 3.900 | 32.51 | 0.00 | 0.00 | 0.00 | 6.95 | 13.24 | 0.00 | 13.24 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 54.74 | 0.00 | 0. | 0.00 |
| 287 | 3.800 | 32.51 | 0.00 | 0.00 | 0.00 | 6.89 | 13.21 | 0.00 | 13.21 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 54.27 | 0.00 | 0. | 0.00 |
| 288 | 3.700 | 32.51 | 0.00 | 0.00 | 0.00 | 6.83 | 13.19 | 0.00 | 13.19 | 0.00 | 1.88 | 0.09 | 0.00 | 1.97 | 0.00 | 53.79 | 0.00 | 0. | 0.00 |
| 289 | 3.600 | 32.51 | 0.00 | 0.00 | 0.00 | 6.77 | 13.17 | 0.00 | 13.17 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 53.32 | 0.00 | 0. | 0.00 |
| 290 | 3.500 | 32.51 | 0.00 | 0.00 | 0.00 | 6.71 | 13.15 | 0.00 | 13.15 | 0.00 | 1.87 | 0.09 | 0.00 | 1.96 | 0.00 | 52.84 | 0.00 | 0. | 0.00 |
| 291 | 3.400 | 32.50 | 0.00 | 0.00 | 0.00 | 6.64 | 13.13 | 0.00 | 13.13 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 52.37 | 0.00 | 0. | 0.00 |
| 292 | 3.300 | 32.50 | 0.00 | 0.00 | 0.00 | 6.58 | 13.12 | 0.00 | 13.12 | 0.00 | 1.86 | 0.09 | 0.00 | 1.95 | 0.00 | 51.90 | 0.00 | 0. | 0.00 |
| 293 | 3.200 | 32.50 | 0.00 | 0.00 | 0.00 | 6.51 | 13.10 | 0.00 | 13.10 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 51.42 | 0.00 | 0. | 0.00 |
| 294 | 3.100 | 32.50 | 0.00 | 0.00 | 0.00 | 6.44 | 13.08 | 0.00 | 13.08 | 0.00 | 1.85 | 0.09 | 0.00 | 1.94 | 0.00 | 50.95 | 0.00 | 0. | 0.00 |
| 295 | 3.000 | 32.50 | 0.00 | 0.00 | 0.00 | 6.38 | 13.06 | 0.00 | 13.06 | 0.00 | 1.84 | 0.09 | 0.00 | 1.94 | 0.00 | 50.47 | 0.00 | 0. | 0.00 |
| 296 | 2.900 | 32.50 | 0.00 | 0.00 | 0.00 | 6.31 | 13.05 | 0.00 | 13.05 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |

FINAL REPORT Grassy Lake — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 7 Lake Verret 3 — Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | UPR RCH | 90.81248 | 32.50 | 0.00 | 0.00 | 0.00 | 6.31 | 13.05 | 0.00 | 13.05 | 0.00 | 1.84 | 0.09 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 |
| 319 | WSTLD | 0.00008 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 2.00 | 1.50 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | 2.90 | 2.80 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 298 | 2.80 | 2.70 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 299 | 2.70 | 2.60 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 300 | 2.60 | 2.50 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 301 | 2.50 | 2.40 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 302 | 2.40 | 2.30 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 303 | 2.30 | 2.20 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 304 | 2.20 | 2.10 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 305 | 2.10 | 2.00 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 306 | 2.00 | 1.90 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 307 | 1.90 | 1.80 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 308 | 1.80 | 1.70 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 309 | 1.70 | 1.60 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 310 | 1.60 | 1.50 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 311 | 1.50 | 1.40 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 312 | 1.40 | 1.30 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 313 | 1.30 | 1.20 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 314 | 1.20 | 1.10 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 315 | 1.10 | 1.00 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 316 | 1.00 | 0.90 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 317 | 0.90 | 0.80 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 318 | 0.80 | 0.70 | 90.81248 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 319 | 0.70 | 0.60 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 320 | 0.60 | 0.50 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 321 | 0.50 | 0.40 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 322 | 0.40 | 0.30 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 323 | 0.30 | 0.20 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 324 | 0.20 | 0.10 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| 325 | 0.10 | 0.00 | 90.81256 | 33.2 | 0.06072 | 0.02 | 1.95 | 767.00 | 149565.00 | 76700.00 | 1495.65 | 0.00 | 0.000 | 0.098 | 0.061 |
| TOT | | | | | | 0.55 | | | 4337385.00 | 2224300.00 | | | | | |

AVG 0.0607 1.95 767.00 1495.65
CUM 16.47

********** 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 1/da | ABOD#2 SOD * | BKGD SOD * | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | SRCE 1/da | NH3 RATE 1/da | NH3 SRCE 1/da | DENIT PROD | PO4 PROD | ALG DECAY | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | 2.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 2.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 2.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 2.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 2.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 2.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 2.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 2.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 2.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 1.900 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 1.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 1.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 1.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 1.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 1.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 1.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 1.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 1.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 1.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 0.900 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 0.800 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 0.700 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 0.600 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 0.500 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 0.400 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 0.300 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 0.200 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 0.100 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 0.000 | 7.24 | 0.48 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.03 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.38 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | | | 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 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | 2.800 | 32.50 | 0.00 | 0.00 | 0.00 | 6.27 | 13.03 | 0.00 | 13.03 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 298 | 2.700 | 32.50 | 0.00 | 0.00 | 0.00 | 6.23 | 13.02 | 0.00 | 13.02 | 0.00 | 1.84 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 299 | 2.600 | 32.50 | 0.00 | 0.00 | 0.00 | 6.19 | 13.00 | 0.00 | 13.00 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 300 | 2.500 | 32.50 | 0.00 | 0.00 | 0.00 | 6.15 | 12.98 | 0.00 | 12.98 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 301 | 2.400 | 32.50 | 0.00 | 0.00 | 0.00 | 6.12 | 12.97 | 0.00 | 12.97 | 0.00 | 1.83 | 0.09 | 0.00 | 1.93 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 302 | 2.300 | 32.50 | 0.00 | 0.00 | 0.00 | 6.08 | 12.95 | 0.00 | 12.95 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 303 | 2.200 | 32.50 | 0.00 | 0.00 | 0.00 | 6.04 | 12.94 | 0.00 | 12.94 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 304 | 2.100 | 32.50 | 0.00 | 0.00 | 0.00 | 6.00 | 12.92 | 0.00 | 12.92 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 305 | 2.000 | 32.50 | 0.00 | 0.00 | 0.00 | 5.97 | 12.91 | 0.00 | 12.91 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 306 | 1.900 | 32.50 | 0.00 | 0.00 | 0.00 | 5.93 | 12.89 | 0.00 | 12.89 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 307 | 1.800 | 32.50 | 0.00 | 0.00 | 0.00 | 5.90 | 12.88 | 0.00 | 12.88 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 308 | 1.700 | 32.50 | 0.00 | 0.00 | 0.00 | 5.86 | 12.86 | 0.00 | 12.86 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 309 | 1.600 | 32.50 | 0.00 | 0.00 | 0.00 | 5.83 | 12.85 | 0.00 | 12.85 | 0.00 | 1.83 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 310 | 1.500 | 32.50 | 0.00 | 0.00 | 0.00 | 5.80 | 12.83 | 0.00 | 12.83 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 311 | 1.400 | 32.50 | 0.00 | 0.00 | 0.00 | 5.76 | 12.82 | 0.00 | 12.82 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 312 | 1.300 | 32.50 | 0.00 | 0.00 | 0.00 | 5.73 | 12.80 | 0.00 | 12.80 | 0.00 | 1.82 | 0.09 | 0.00 | 1.92 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 313 | 1.200 | 32.50 | 0.00 | 0.00 | 0.00 | 5.70 | 12.79 | 0.00 | 12.79 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 314 | 1.100 | 32.50 | 0.00 | 0.00 | 0.00 | 5.66 | 12.78 | 0.00 | 12.78 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 315 | 1.000 | 32.50 | 0.00 | 0.00 | 0.00 | 5.63 | 12.76 | 0.00 | 12.76 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 316 | 0.900 | 32.50 | 0.00 | 0.00 | 0.00 | 5.60 | 12.75 | 0.00 | 12.75 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 317 | 0.800 | 32.50 | 0.00 | 0.00 | 0.00 | 5.57 | 12.73 | 0.00 | 12.73 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 318 | 0.700 | 32.50 | 0.00 | 0.00 | 0.00 | 5.54 | 12.72 | 0.00 | 12.72 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 319 | 0.600 | 32.50 | 0.00 | 0.00 | 0.00 | 5.51 | 12.71 | 0.00 | 12.71 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 320 | 0.500 | 32.50 | 0.00 | 0.00 | 0.00 | 5.48 | 12.69 | 0.00 | 12.69 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 321 | 0.400 | 32.50 | 0.00 | 0.00 | 0.00 | 5.45 | 12.68 | 0.00 | 12.68 | 0.00 | 1.82 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 322 | 0.300 | 32.50 | 0.00 | 0.00 | 0.00 | 5.42 | 12.67 | 0.00 | 12.67 | 0.00 | 1.81 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 323 | 0.200 | 32.50 | 0.00 | 0.00 | 0.00 | 5.39 | 12.65 | 0.00 | 12.65 | 0.00 | 1.81 | 0.09 | 0.00 | 1.91 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 324 | 0.100 | 32.50 | 0.00 | 0.00 | 0.00 | 5.36 | 12.64 | 0.00 | 12.64 | 0.00 | 1.81 | 0.09 | 0.00 | 1.90 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |
| 325 | 0.000 | 32.50 | 0.00 | 0.00 | 0.00 | 5.33 | 12.24 | 0.00 | 12.24 | 0.00 | 1.75 | 0.09 | 0.00 | 1.85 | 0.00 | 50.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Grassy Lake Calibration Simulation for Lake Verret and Grassy Lake model

TRAVEL TIME = 16.47 DAYS

MAXIMUM EFFLUENT = 33.16 PERCENT

FLOW = 51.90000 TO 90.81256 $m^3/s$
DISPERSION = 0.0181 TO 0.5049 $m^2/s$
VELOCITY = 0.01042 TO 0.15893 m/s
DEPTH = 1.01 TO 5.24 m
WIDTH = 87.00 TO ****** m

BOD DECAY = 0.28 TO 0.41 per day
NH3 DECAY = 0.50 TO 0.59 per day
SOD = 1.60 TO 7.18 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.17 TO 0.95 per day
BOD SETTLING = 0.00 TO 0.00 per day

ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 32.50 TO 33.90 deg C
DISSOLVED OXYGEN = 5.07 TO 8.31 mg/L

FINAL REPORT Fourmile Bayou Oxbow LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
REACH NO. 3 Fourmile Bayou Oxbow Calibration Simulation for Lake Verret and Grassy Lake 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | HDWTR | 8.80000 | 33.90 | 0.00 | 0.00 | 0.00 | 6.80 | 10.97 | 0.00 | 10.97 | 0.00 | 1.70 | 0.10 | 0.04 | 0.00 | 95.00 | 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 m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | PRISM m³ | VELO m/s | TIDAL VELO m²/s | TIDAL m/s | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.20 | 4.10 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 57 | 4.10 | 4.00 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 58 | 4.00 | 3.90 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 59 | 3.90 | 3.80 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 60 | 3.80 | 3.70 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 61 | 3.70 | 3.60 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 62 | 3.60 | 3.50 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 63 | 3.50 | 3.40 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 64 | 3.40 | 3.30 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 65 | 3.30 | 3.20 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 66 | 3.20 | 3.10 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 67 | 3.10 | 3.00 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 68 | 3.00 | 2.90 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 69 | 2.90 | 2.80 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 70 | 2.80 | 2.70 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 71 | 2.70 | 2.60 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 72 | 2.60 | 2.50 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 73 | 2.50 | 2.40 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 74 | 2.40 | 2.30 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 75 | 2.30 | 2.20 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 76 | 2.20 | 2.10 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 77 | 2.10 | 2.00 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 78 | 2.00 | 1.90 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 79 | 1.90 | 1.80 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |
| 80 | 1.80 | 1.70 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 81 | 1.70 | 1.60 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 82 | 1.60 | 1.50 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 83 | 1.50 | 1.40 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 84 | 1.40 | 1.30 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 85 | 1.30 | 1.20 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 86 | 1.20 | 1.10 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 87 | 1.10 | 1.00 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 88 | 1.00 | 0.90 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 89 | 0.90 | 0.80 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 90 | 0.80 | 0.70 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 91 | 0.70 | 0.60 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 92 | 0.60 | 0.50 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 93 | 0.50 | 0.40 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 94 | 0.40 | 0.30 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 95 | 0.30 | 0.20 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 96 | 0.20 | 0.10 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| 97 | 0.10 | 0.00 | 8.80000 | 0.0 | 0.04046 | 0.03 | 2.50 | 87.00 | 21750.00 | 8700.00 | 217.50 | 0.00 | 0.000 | 0.080 | 0.040 |
| TOT | | | | | 1.20 | | | 913500.00 | 365400.00 | | | | | | |
| AVG | | | | 0.0405 | | | 2.50 | 87.00 | | | 217.50 | | | | |
| CUM | | | | | 1.20 | | | | | | | | | | |

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

| ELEM NO. | ENDING DIST mg/L | SAT D.O. | REAER RATE 1/da | DECAY 1/da | BOD#1 SETT 1/da | BOD#1 DECAY 1/da | ABOD#1 DECAY 1/da | BOD#2 SETT * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE 1/da | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.100 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.19 | 7.19 | 7.19 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 57 | 4.000 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 | 7.18 | 7.18 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.68 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 58 | 3.900 | 7.08 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.17 | 7.17 | 7.17 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 59 | 3.800 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.16 | 7.16 | 7.16 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.37 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 60 | 3.700 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.15 | 7.15 | 7.15 | 0.03 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 8.22 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 61 | 3.600 | 7.09 | 0.36 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.13 | 7.13 | 7.13 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 8.06 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 62 | 3.500 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.12 | 7.12 | 7.12 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.91 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 63 | 3.400 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 7.11 | 7.11 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 64 | 3.300 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.10 | 7.10 | 7.10 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 65 | 3.200 | 7.10 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 7.09 | 7.09 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 66 | 3.100 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.08 | 7.08 | 7.08 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.29 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 67 | 3.000 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.07 | 7.07 | 7.07 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 7.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 68 | 2.900 | 7.11 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.06 | 7.06 | 7.06 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 6.99 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 69 | 2.800 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.05 | 7.05 | 7.05 | 0.03 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 70 | 2.700 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.04 | 7.04 | 7.04 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.69 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 71 | 2.600 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.03 | 7.03 | 7.03 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 72 | 2.500 | 7.12 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 7.02 | 7.02 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 73 | 2.400 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.01 | 7.01 | 7.01 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 74 | 2.300 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 7.00 | 7.00 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 6.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 75 | 2.200 | 7.13 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.99 | 6.99 | 6.99 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 76 | 2.100 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.98 | 6.98 | 6.98 | 0.03 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 2.000 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.97 | 6.97 | 6.97 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 1.900 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.96 | 6.96 | 6.96 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 1.800 | 7.14 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.94 | 6.94 | 6.94 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 1.700 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.93 | 6.93 | 6.93 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 1.600 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.92 | 6.92 | 6.92 | 0.03 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 1.500 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.91 | 6.91 | 6.91 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 1.400 | 7.15 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.90 | 6.90 | 6.90 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 1.300 | 7.16 | 0.36 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.89 | 6.89 | 6.89 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 1.200 | 7.16 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.88 | 6.88 | 6.88 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 1.100 | 7.16 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 6.87 | 6.87 | 0.03 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 1.000 | 7.17 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.86 | 6.86 | 6.86 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 4.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 0.900 | 7.17 | 0.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 | 6.85 | 6.85 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 0.800 | 7.17 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.84 | 6.84 | 6.84 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.700 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.83 | 6.83 | 6.83 | 0.03 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 0.600 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 6.82 | 6.82 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 0.500 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.81 | 6.81 | 6.81 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 0.400 | 7.18 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 6.80 | 6.80 | 0.03 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 0.300 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.79 | 6.79 | 6.79 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.200 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.78 | 6.78 | 6.78 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 0.100 | 7.19 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.77 | 6.77 | 6.77 | 0.03 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 0.000 | 7.20 | 0.35 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 6.76 | 6.76 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.28 0.21 0.00 0.00 0.00 0.00 0.00 3.00 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 4.100 | 33.88 | 0.00 | 0.00 | 0.00 | 6.84 | 10.98 | 0.00 | 10.98 | 0.00 | 1.71 | 0.10 | 0.03 | 1.84 | 0.00 | 93.45 | 0.00 | 0. | 0.00 |
| 57 | 4.000 | 33.85 | 0.00 | 0.00 | 0.00 | 6.88 | 10.99 | 0.00 | 10.99 | 0.00 | 1.72 | 0.10 | 0.02 | 1.84 | 0.00 | 91.90 | 0.00 | 0. | 0.00 |
| 58 | 3.900 | 33.83 | 0.00 | 0.00 | 0.00 | 6.91 | 11.00 | 0.00 | 11.00 | 0.00 | 1.73 | 0.10 | 0.01 | 1.84 | 0.00 | 90.36 | 0.00 | 0. | 0.00 |
| 59 | 3.800 | 33.80 | 0.00 | 0.00 | 0.00 | 6.94 | 11.01 | 0.00 | 11.01 | 0.00 | 1.74 | 0.10 | 0.00 | 1.84 | 0.00 | 88.81 | 0.00 | 0. | 0.00 |
| 60 | 3.700 | 33.78 | 0.00 | 0.00 | 0.00 | 6.96 | 11.02 | 0.00 | 11.02 | 0.00 | 1.75 | 0.10 | 0.00 | 1.85 | 0.00 | 87.26 | 0.00 | 0. | 0.00 |
| 61 | 3.600 | 33.76 | 0.00 | 0.00 | 0.00 | 6.98 | 11.03 | 0.00 | 11.03 | 0.00 | 1.76 | 0.10 | 0.00 | 1.85 | 0.00 | 85.71 | 0.00 | 0. | 0.00 |
| 62 | 3.500 | 33.73 | 0.00 | 0.00 | 0.00 | 6.99 | 11.04 | 0.00 | 11.04 | 0.00 | 1.77 | 0.10 | 0.00 | 1.86 | 0.00 | 84.17 | 0.00 | 0. | 0.00 |
| 63 | 3.400 | 33.71 | 0.00 | 0.00 | 0.00 | 7.00 | 11.05 | 0.00 | 11.05 | 0.00 | 1.78 | 0.10 | 0.00 | 1.87 | 0.00 | 82.62 | 0.00 | 0. | 0.00 |
| 64 | 3.300 | 33.69 | 0.00 | 0.00 | 0.00 | 7.01 | 11.06 | 0.00 | 11.06 | 0.00 | 1.79 | 0.10 | 0.00 | 1.88 | 0.00 | 81.07 | 0.00 | 0. | 0.00 |
| 65 | 3.200 | 33.66 | 0.00 | 0.00 | 0.00 | 7.01 | 11.07 | 0.00 | 11.07 | 0.00 | 1.79 | 0.10 | 0.00 | 1.89 | 0.00 | 79.52 | 0.00 | 0. | 0.00 |
| 66 | 3.100 | 33.64 | 0.00 | 0.00 | 0.00 | 7.01 | 11.08 | 0.00 | 11.08 | 0.00 | 1.80 | 0.10 | 0.00 | 1.90 | 0.00 | 77.98 | 0.00 | 0. | 0.00 |
| 67 | 3.000 | 33.61 | 0.00 | 0.00 | 0.00 | 7.00 | 11.09 | 0.00 | 11.09 | 0.00 | 1.81 | 0.10 | 0.00 | 1.91 | 0.00 | 76.43 | 0.00 | 0. | 0.00 |
| 68 | 2.900 | 33.59 | 0.00 | 0.00 | 0.00 | 6.99 | 11.10 | 0.00 | 11.10 | 0.00 | 1.82 | 0.10 | 0.00 | 1.92 | 0.00 | 74.88 | 0.00 | 0. | 0.00 |
| 69 | 2.800 | 33.57 | 0.00 | 0.00 | 0.00 | 6.97 | 11.11 | 0.00 | 11.11 | 0.00 | 1.83 | 0.10 | 0.00 | 1.93 | 0.00 | 73.33 | 0.00 | 0. | 0.00 |
| 70 | 2.700 | 33.54 | 0.00 | 0.00 | 0.00 | 6.95 | 11.12 | 0.00 | 11.12 | 0.00 | 1.84 | 0.10 | 0.00 | 1.94 | 0.00 | 71.79 | 0.00 | 0. | 0.00 |
| 71 | 2.600 | 33.52 | 0.00 | 0.00 | 0.00 | 6.93 | 11.13 | 0.00 | 11.13 | 0.00 | 1.85 | 0.10 | 0.00 | 1.95 | 0.00 | 70.24 | 0.00 | 0. | 0.00 |
| 72 | 2.500 | 33.50 | 0.00 | 0.00 | 0.00 | 6.90 | 11.14 | 0.00 | 11.14 | 0.00 | 1.86 | 0.10 | 0.00 | 1.96 | 0.00 | 68.69 | 0.00 | 0. | 0.00 |
| 73 | 2.400 | 33.47 | 0.00 | 0.00 | 0.00 | 6.87 | 11.15 | 0.00 | 11.15 | 0.00 | 1.87 | 0.10 | 0.00 | 1.97 | 0.00 | 67.14 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 2.300 | 33.45 | 0.00 | 0.00 | 0.00 | 6.84 | 11.16 | 0.00 | 11.16 | 0.00 | 1.88 | 0.10 | 0.00 | 1.97 | 0.00 | 65.60 | 0.00 | 0. | 0.00 |
| 75 | 2.200 | 33.42 | 0.00 | 0.00 | 0.00 | 6.80 | 11.17 | 0.00 | 11.17 | 0.00 | 1.89 | 0.09 | 0.00 | 1.98 | 0.00 | 64.05 | 0.00 | 0. | 0.00 |
| 76 | 2.100 | 33.40 | 0.00 | 0.00 | 0.00 | 6.76 | 11.18 | 0.00 | 11.18 | 0.00 | 1.90 | 0.09 | 0.00 | 1.99 | 0.00 | 62.50 | 0.00 | 0. | 0.00 |
| 77 | 2.000 | 33.38 | 0.00 | 0.00 | 0.00 | 6.71 | 11.19 | 0.00 | 11.19 | 0.00 | 1.91 | 0.09 | 0.00 | 2.00 | 0.00 | 60.95 | 0.00 | 0. | 0.00 |
| 78 | 1.900 | 33.35 | 0.00 | 0.00 | 0.00 | 6.67 | 11.20 | 0.00 | 11.20 | 0.00 | 1.92 | 0.09 | 0.00 | 2.01 | 0.00 | 59.40 | 0.00 | 0. | 0.00 |
| 79 | 1.800 | 33.33 | 0.00 | 0.00 | 0.00 | 6.61 | 11.21 | 0.00 | 11.21 | 0.00 | 1.93 | 0.09 | 0.00 | 2.02 | 0.00 | 57.86 | 0.00 | 0. | 0.00 |
| 80 | 1.700 | 33.30 | 0.00 | 0.00 | 0.00 | 6.56 | 11.22 | 0.00 | 11.22 | 0.00 | 1.94 | 0.09 | 0.00 | 2.03 | 0.00 | 56.31 | 0.00 | 0. | 0.00 |
| 81 | 1.600 | 33.28 | 0.00 | 0.00 | 0.00 | 6.50 | 11.23 | 0.00 | 11.23 | 0.00 | 1.94 | 0.09 | 0.00 | 2.04 | 0.00 | 54.76 | 0.00 | 0. | 0.00 |
| 82 | 1.500 | 33.26 | 0.00 | 0.00 | 0.00 | 6.44 | 11.25 | 0.00 | 11.25 | 0.00 | 1.95 | 0.09 | 0.00 | 2.05 | 0.00 | 53.21 | 0.00 | 0. | 0.00 |
| 83 | 1.400 | 33.23 | 0.00 | 0.00 | 0.00 | 6.37 | 11.26 | 0.00 | 11.26 | 0.00 | 1.96 | 0.09 | 0.00 | 2.06 | 0.00 | 51.67 | 0.00 | 0. | 0.00 |
| 84 | 1.300 | 33.21 | 0.00 | 0.00 | 0.00 | 6.30 | 11.27 | 0.00 | 11.27 | 0.00 | 1.97 | 0.09 | 0.00 | 2.07 | 0.00 | 50.12 | 0.00 | 0. | 0.00 |
| 85 | 1.200 | 33.19 | 0.00 | 0.00 | 0.00 | 6.23 | 11.28 | 0.00 | 11.28 | 0.00 | 1.98 | 0.09 | 0.00 | 2.08 | 0.00 | 48.57 | 0.00 | 0. | 0.00 |
| 86 | 1.100 | 33.16 | 0.00 | 0.00 | 0.00 | 6.15 | 11.29 | 0.00 | 11.29 | 0.00 | 1.99 | 0.09 | 0.00 | 2.09 | 0.00 | 47.02 | 0.00 | 0. | 0.00 |
| 87 | 1.000 | 33.14 | 0.00 | 0.00 | 0.00 | 6.07 | 11.30 | 0.00 | 11.30 | 0.00 | 2.00 | 0.09 | 0.00 | 2.09 | 0.00 | 45.48 | 0.00 | 0. | 0.00 |
| 88 | 0.900 | 33.11 | 0.00 | 0.00 | 0.00 | 5.99 | 11.31 | 0.00 | 11.31 | 0.00 | 2.01 | 0.09 | 0.00 | 2.10 | 0.00 | 43.93 | 0.00 | 0. | 0.00 |
| 89 | 0.800 | 33.09 | 0.00 | 0.00 | 0.00 | 5.91 | 11.32 | 0.00 | 11.32 | 0.00 | 2.02 | 0.09 | 0.00 | 2.11 | 0.00 | 42.38 | 0.00 | 0. | 0.00 |
| 90 | 0.700 | 33.07 | 0.00 | 0.00 | 0.00 | 5.82 | 11.33 | 0.00 | 11.33 | 0.00 | 2.03 | 0.09 | 0.00 | 2.12 | 0.00 | 40.83 | 0.00 | 0. | 0.00 |
| 91 | 0.600 | 33.04 | 0.00 | 0.00 | 0.00 | 5.73 | 11.34 | 0.00 | 11.34 | 0.00 | 2.04 | 0.09 | 0.00 | 2.13 | 0.00 | 39.29 | 0.00 | 0. | 0.00 |
| 92 | 0.500 | 33.02 | 0.00 | 0.00 | 0.00 | 5.63 | 11.35 | 0.00 | 11.35 | 0.00 | 2.05 | 0.09 | 0.00 | 2.14 | 0.00 | 37.74 | 0.00 | 0. | 0.00 |
| 93 | 0.400 | 33.00 | 0.00 | 0.00 | 0.00 | 5.53 | 11.36 | 0.00 | 11.36 | 0.00 | 2.06 | 0.09 | 0.00 | 2.15 | 0.00 | 36.19 | 0.00 | 0. | 0.00 |
| 94 | 0.300 | 32.97 | 0.00 | 0.00 | 0.00 | 5.43 | 11.37 | 0.00 | 11.37 | 0.00 | 2.07 | 0.09 | 0.00 | 2.16 | 0.00 | 34.64 | 0.00 | 0. | 0.00 |
| 95 | 0.200 | 32.95 | 0.00 | 0.00 | 0.00 | 5.33 | 11.38 | 0.00 | 11.38 | 0.00 | 2.07 | 0.09 | 0.00 | 2.17 | 0.00 | 33.10 | 0.00 | 0. | 0.00 |
| 96 | 0.100 | 32.92 | 0.00 | 0.00 | 0.00 | 5.23 | 11.40 | 0.00 | 11.40 | 0.00 | 2.08 | 0.10 | 0.00 | 2.18 | 0.00 | 31.55 | 0.00 | 0. | 0.00 |
| 97 | 0.000 | 32.90 | 0.00 | 0.00 | 0.00 | 5.14 | 11.67 | 0.00 | 11.67 | 0.00 | 2.09 | 0.10 | 0.00 | 2.18 | 0.00 | 30.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY — LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Fourmile Bayou Oxbow — Calibration Simulation for Lake Verret and Grassy Lake model

TRAVEL TIME = 1.20 DAYS

MAXIMUM EFFLUENT = 0.00 PERCENT

FLOW = 8.80000 TO 8.80000 $m^3/s$
DISPERSION = 0.0804 TO 0.0804 $m^2/s$
VELOCITY = 0.04046 TO 0.04046 m/s
DEPTH = 2.50 TO 2.50 m
WIDTH = 87.00 TO 87.00 m

BOD DECAY = 0.38 TO 0.40 per day
NH3 DECAY = 0.51 TO 0.59 per day
SOD = 6.76 TO 7.19 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.35 TO 0.36 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 32.90 TO 33.88 deg C
DISSOLVED OXYGEN = 5.14 TO 7.01 mg/L

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

REACH SUMMARY REPORT FOR Grassy Lake

| RCH NO. | REACH NAME | DIST km | 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 | Grassy Lake | 28.30 | 24.80 | 3.50 | 0.95 | 51.90000 | 0.04268 | 1.010 | 1343.00 | 1832.589 | 0.140 | 3.314 | 4406.38 | |
| 2 | Fourmile Bayou 1 | 24.80 | 22.80 | 2.00 | 0.25 | 51.90000 | 0.09257 | 5.240 | 107.00 | 1832.589 | 0.304 | 17.192 | 351.07 | |
| 4 | Fourmile Bayou 2 | 22.80 | 19.40 | 3.40 | 0.25 | 60.70000 | 0.15893 | 4.390 | 87.00 | 2143.317 | 0.521 | 14.404 | 285.45 | |
| 5 | Lake Verret 1 | 19.40 | 14.50 | 4.90 | 1.58 | 90.80202 | 0.03582 | 1.340 | 1892.00 | 3206.219 | 0.118 | 4.397 | 6207.65 | |
| 6 | Lake Verret 2 | 14.50 | 2.90 | 11.60 | 12.89 | 90.81248 | 0.01042 | 2.130 | 4092.00 | 3206.589 | 0.034 | 6.98913425.85 | | |
| 7 | Lake Verret 3 | 2.90 | 0.00 | 2.90 | 0.55 | 90.81256 | 0.06072 | 1.950 | 767.00 | 3206.592 | 0.199 | 6.398 | 2516.53 | |

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

REACH SUMMARY REPORT FOR Fourmile Bayou Oxbow

| RCH NO. | REACH NAME | DIST km | 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 | Fourmile Bayou Oxbow | 4.20 | 0.00 | 4.20 | 1.20 | 8.80000 | 0.04046 | 2.500 | 87.00 | 310.728 | 0.133 | 8.202 | 285.45 | |

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WITH OUT | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35138. | 0. | -35243. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 57. | -944. | -32. | 0. | 0. | -215. | 0. | 0. | 0. | 1237. | 0. | 0. | -36433.6 | 36433.6 | -0.05 |
| 2 | 35243. | 0. | -35342. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 55. | -945. | -32. | 0. | 0. | -215. | 0. | 0. | 0. | 1237. | 0. | 0. | -36535.1 | 36535.0 | -0.05 |
| 3 | 35342. | 0. | -35436. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 52. | -946. | -32. | 0. | 0. | -215. | 0. | 0. | 0. | 1236. | 0. | 0. | -36630.9 | 36630.9 | -0.05 |
| 4 | 35436. | 0. | -35526. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 49. | -948. | -32. | 0. | 0. | -216. | 0. | 0. | 0. | 1236. | 0. | 0. | -36722.2 | 36722.2 | -0.05 |
| 5 | 35526. | 0. | -35611. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 47. | -949. | -32. | 0. | 0. | -216. | 0. | 0. | 0. | 1235. | 0. | 0. | -36809.1 | 36809.1 | -0.04 |
| 6 | 35611. | 0. | -35692. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 45. | -950. | -32. | 0. | 0. | -216. | 0. | 0. | 0. | 1235. | 0. | 0. | -36891.7 | 36891.6 | -0.05 |
| 7 | 35692. | 0. | -35769. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 42. | -951. | -32. | 0. | 0. | -217. | 0. | 0. | 0. | 1235. | 0. | 0. | -36970.1 | 36970.0 | -0.05 |
| 8 | 35769. | 0. | -35842. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 40. | -952. | -32. | 0. | 0. | -217. | 0. | 0. | 0. | 1234. | 0. | 0. | -37044.4 | 37044.3 | -0.04 |
| 9 | 35842. | 0. | -35911. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 38. | -954. | -32. | 0. | 0. | -217. | 0. | 0. | 0. | 1234. | 0. | 0. | -37114.7 | 37114.6 | -0.04 |
| 10 | 35911. | 0. | -35976. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 36. | -955. | -32. | 0. | 0. | -218. | 0. | 0. | 0. | 1233. | 0. | 0. | -37181.1 | 37181.1 | -0.05 |
| 11 | 35976. | 0. | -36037. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 35. | -956. | -32. | 0. | 0. | -218. | 0. | 0. | 0. | 1233. | 0. | 0. | -37243.7 | 37243.7 | -0.04 |
| 12 | 36037. | 0. | -36095. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 33. | -957. | -32. | 0. | 0. | -218. | 0. | 0. | 0. | 1232. | 0. | 0. | -37302.6 | 37302.6 | -0.04 |
| 13 | 36095. | 0. | -36149. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31. | -958. | -32. | 0. | 0. | -219. | 0. | 0. | 0. | 1232. | 0. | 0. | -37357.9 | 37357.9 | -0.05 |
| 14 | 36149. | 0. | -36199. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30. | -960. | -32. | 0. | 0. | -219. | 0. | 0. | 0. | 1231. | 0. | 0. | -37409.7 | 37409.7 | -0.05 |
| 15 | 36199. | 0. | -36246. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28. | -961. | -32. | 0. | 0. | -219. | 0. | 0. | 0. | 1231. | 0. | 0. | -37458.1 | 37458.0 | -0.05 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 36246. | 0. | -36290. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27. | -962. | -32. | 0. | 0. | -220. | 0. | 0. | 0. | 1230. | 0. | 0. | -37503.1 | 37503.0 | -0.05 |
| 17 | 36290. | 0. | -36330. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25. | -963. | -32. | 0. | 0. | -220. | 0. | 0. | 0. | 1230. | 0. | 0. | -37544.8 | 37544.8 | -0.05 |
| 18 | 36330. | 0. | -36367. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24. | -964. | -32. | 0. | 0. | -220. | 0. | 0. | 0. | 1229. | 0. | 0. | -37583.4 | 37583.3 | -0.05 |
| 19 | 36367. | 0. | -36401. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23. | -965. | -32. | 0. | 0. | -220. | 0. | 0. | 0. | 1229. | 0. | 0. | -37618.8 | 37618.8 | -0.05 |
| 20 | 36401. | 0. | -36432. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22. | -966. | -32. | 0. | 0. | -221. | 0. | 0. | 0. | 1228. | 0. | 0. | -37651.3 | 37651.2 | -0.04 |
| 21 | 36432. | 0. | -36460. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21. | -967. | -32. | 0. | 0. | -221. | 0. | 0. | 0. | 1227. | 0. | 0. | -37680.8 | 37680.7 | -0.05 |
| 22 | 36460. | 0. | -36486. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20. | -968. | -32. | 0. | 0. | -221. | 0. | 0. | 0. | 1227. | 0. | 0. | -37707.4 | 37707.4 | -0.04 |
| 23 | 36486. | 0. | -36508. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19. | -970. | -32. | 0. | 0. | -222. | 0. | 0. | 0. | 1226. | 0. | 0. | -37731.2 | 37731.2 | -0.05 |
| 24 | 36508. | 0. | -36528. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -971. | -32. | 0. | 0. | -222. | 0. | 0. | 0. | 1226. | 0. | 0. | -37752.3 | 37752.3 | -0.05 |
| 25 | 36528. | 0. | -36545. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -972. | -32. | 0. | 0. | -222. | 0. | 0. | 0. | 1225. | 0. | 0. | -37770.8 | 37770.7 | -0.05 |
| 26 | 36545. | 0. | -31259. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -5300. | 17. | -973. | -32. | 0. | 0. | -223. | 0. | 0. | 0. | 1225. | 0. | 0. | -37786.6 | 37786.5 | -0.05 |
| 27 | 31259. | 0. | -31271. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 16. | -974. | -32. | 0. | 0. | -223. | 0. | 0. | 0. | 1224. | 0. | 0. | -32499.6 | 32499.6 | -0.04 |
| 28 | 31271. | 0. | -31281. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -975. | -32. | 0. | 0. | -223. | 0. | 0. | 0. | 1224. | 0. | 0. | -32510.4 | 32510.4 | -0.04 |
| 29 | 31281. | 0. | -31288. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 15. | -976. | -31. | 0. | 0. | -224. | 0. | 0. | 0. | 1223. | 0. | 0. | -32518.8 | 32518.7 | -0.05 |
| 30 | 31288. | 0. | -31292. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -977. | -31. | 0. | 0. | -224. | 0. | 0. | 0. | 1223. | 0. | 0. | -32524.8 | 32524.7 | -0.04 |
| 31 | 31292. | 0. | -31295. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -978. | -31. | 0. | 0. | -224. | 0. | 0. | 0. | 1222. | 0. | 0. | -32528.5 | 32528.5 | -0.05 |
| 32 | 31295. | 0. | -31295. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14. | -979. | -31. | 0. | 0. | -225. | 0. | 0. | 0. | 1222. | 0. | 0. | -32530.1 | 32530.1 | -0.05 |
| 33 | 31295. | 0. | -31293. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -980. | -31. | 0. | 0. | -225. | 0. | 0. | 0. | 1221. | 0. | 0. | -32529.5 | 32529.5 | -0.04 |
| 34 | 31293. | 0. | -31289. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -981. | -31. | 0. | 0. | -225. | 0. | 0. | 0. | 1221. | 0. | 0. | -32526.9 | 32526.8 | -0.04 |
| 35 | 31289. | 0. | -31282. | 0. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 13. | -982. | -31. | 0. | 0. | -226. | 0. | 0. | 0. | 1220. | 0. | 0. | -32522.3 | 32522.2 | -0.04 |
| 36 | 31282. | 0. | -31205. | 2. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 1. | -473. | -13. | 0. | 0. | -77. | 0. | 0. | 0. | 486. | 0. | 0. | -31770.5 | 31770.5 | -0.02 |
| 37 | 31205. | 0. | -31112. | 3. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 1. | -472. | -13. | 0. | 0. | -77. | 0. | 0. | 0. | 468. | 0. | 0. | -31677.1 | 31677.1 | -0.02 |
| 38 | 31112. | 0. | -31002. | 4. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 2. | -471. | -13. | 0. | 0. | -76. | 0. | 0. | 0. | 449. | 0. | 0. | -31566.9 | 31566.9 | -0.02 |
| 39 | 31002. | 0. | -30875. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 2. | -471. | -13. | 0. | 0. | -76. | 0. | 0. | 0. | 431. | 0. | 0. | -31439.9 | 31439.9 | -0.02 |
| 40 | 30875. | 0. | -30732. | 5. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 2. | -470. | -13. | 0. | 0. | -76. | 0. | 0. | 0. | 413. | 0. | 0. | -31296.3 | 31296.2 | -0.02 |
| 41 | 30732. | 0. | -30572. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 3. | -469. | -13. | 0. | 0. | -76. | 0. | 0. | 0. | 395. | 0. | 0. | -31136.1 | 31136.1 | -0.02 |
| 42 | 30572. | 0. | -30396. | 6. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 3. | -468. | -12. | 0. | 0. | -75. | 0. | 0. | 0. | 377. | 0. | 0. | -30959.6 | 30959.5 | -0.02 |
| 43 | 30396. | 0. | -30204. | 7. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 4. | -468. | -12. | 0. | 0. | -75. | 0. | 0. | 0. | 360. | 0. | 0. | -30766.7 | 30766.7 | -0.02 |
| 44 | 30204. | 0. | -29995. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 4. | -467. | -12. | 0. | 0. | -75. | 0. | 0. | 0. | 342. | 0. | 0. | -30557.6 | 30557.6 | -0.02 |
| 45 | 29995. | 0. | -29770. | 8. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 5. | -466. | -12. | 0. | 0. | -75. | 0. | 0. | 0. | 324. | 0. | 0. | -30332.5 | 30332.5 | -0.02 |
| 46 | 29770. | 0. | -29530. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 5. | -466. | -12. | 0. | 0. | -74. | 0. | 0. | 0. | 307. | 0. | 0. | -30091.3 | 30091.3 | -0.02 |
| 47 | 29530. | 0. | -29273. | 9. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 6. | -465. | -12. | 0. | 0. | -74. | 0. | 0. | 0. | 289. | 0. | 0. | -29834.3 | 29834.3 | -0.01 |
| 48 | 29273. | 0. | -29001. | 10. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 7. | -464. | -12. | 0. | 0. | -74. | 0. | 0. | 0. | 272. | 0. | 0. | -29561.5 | 29561.5 | -0.01 |
| 49 | 29001. | 0. | -28713. | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 7. | -463. | -12. | 0. | 0. | -74. | 0. | 0. | 0. | 254. | 0. | 0. | -29273.1 | 29273.1 | -0.01 |
| 50 | 28713. | 0. | -28409. | 11. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 8. | -463. | -12. | 0. | 0. | -73. | 0. | 0. | 0. | 237. | 0. | 0. | -28969.1 | 28969.1 | -0.01 |
| 51 | 28409. | 0. | -28090. | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 9. | -462. | -12. | 0. | 0. | -73. | 0. | 0. | 0. | 220. | 0. | 0. | -28649.6 | 28649.6 | -0.01 |
| 52 | 28090. | 0. | -27756. | 12. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 9. | -461. | -12. | 0. | 0. | -73. | 0. | 0. | 0. | 203. | 0. | 0. | -28314.8 | 28314.8 | -0.01 |
| 53 | 27756. | 0. | -27406. | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 10. | -461. | -12. | 0. | 0. | -73. | 0. | 0. | 0. | 186. | 0. | 0. | -27964.8 | 27964.8 | -0.01 |
| 54 | 27406. | 0. | -27041. | 13. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 11. | -460. | -12. | 0. | 0. | -73. | 0. | 0. | 0. | 169. | 0. | 0. | -27599.6 | 27599.6 | -0.01 |
| 55 | 27041. | 0. | -26651. | 14. | 0. | -27. | 0. | 0. | 0. | 0. | 0. | 12. | -458. | -12. | 0. | 0. | -72. | 0. | 0. | 0. | 152. | 0. | 0. | -27219.5 | 27219.5 | -0.01 |
| 98 | 26651. | 3905. | -30324. | 27. | -15. | -7. | 0. | 0. | 0. | 0. | 0. | 12. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 111. | 0. | 0. | -30705.0 | 30705.0 | 0.00 |
| 99 | 30324. | 0. | -30096. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 12. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 118. | 0. | 0. | -30461.1 | 30461.1 | 0.00 |
| 100 | 30096. | 0. | -29875. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 12. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 125. | 0. | 0. | -30240.0 | 30240.0 | 0.00 |
| 101 | 29875. | 0. | -29661. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | 13. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 132. | 0. | 0. | -30026.2 | 30026.2 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102 | 29661. | 0. | -29455. | 7. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 13. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 139. | 0. | 0. | -29819.7 | 29819.7 | 0.00 | |
| 103 | 29455. | 0. | -29256. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 13. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 146. | 0. | 0. | -29620.6 | 29620.6 | 0.00 | |
| 104 | 29256. | 0. | -29064. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 14. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 153. | 0. | 0. | -29428.7 | 29428.7 | 0.00 | |
| 105 | 29064. | 0. | -28880. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 14. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 160. | 0. | 0. | -29244.1 | 29244.1 | 0.00 | |
| 106 | 28880. | 0. | -28703. | 6. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 14. | -292. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 167. | 0. | 0. | -29066.9 | 29066.9 | -0.01 | |
| 107 | 28703. | 0. | -28533. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 14. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 174. | 0. | 0. | -28896.9 | 28896.8 | 0.00 | |
| 108 | 28533. | 0. | -28370. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 15. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 182. | 0. | 0. | -28734.1 | 28734.1 | -0.01 | |
| 109 | 28370. | 0. | -28215. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 15. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 189. | 0. | 0. | -28578.6 | 28578.6 | 0.00 | |
| 110 | 28215. | 0. | -28066. | 5. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 15. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 196. | 0. | 0. | -28430.2 | 28430.2 | 0.00 | |
| 111 | 28066. | 0. | -27926. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 15. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 203. | 0. | 0. | -28289.1 | 28289.1 | 0.00 | |
| 112 | 27926. | 0. | -27792. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 16. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 210. | 0. | 0. | -28155.2 | 28155.2 | 0.00 | |
| 113 | 27792. | 0. | -27665. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 16. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 217. | 0. | 0. | -28028.5 | 28028.5 | 0.00 | |
| 114 | 27665. | 0. | -27546. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 16. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 224. | 0. | 0. | -27909.0 | 27909.0 | 0.00 | |
| 115 | 27546. | 0. | -27434. | 4. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 16. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 231. | 0. | 0. | -27796.6 | 27796.6 | 0.00 | |
| 116 | 27434. | 0. | -27328. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 16. | -293. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 238. | 0. | 0. | -27691.3 | 27691.3 | 0.00 | |
| 117 | 27328. | 0. | -27230. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 245. | 0. | 0. | -27593.2 | 27593.2 | 0.00 | |
| 118 | 27230. | 0. | -27140. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 252. | 0. | 0. | -27502.2 | 27502.2 | 0.00 | |
| 119 | 27140. | 0. | -27056. | 3. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 259. | 0. | 0. | -27418.3 | 27418.3 | 0.00 | |
| 120 | 27056. | 0. | -26979. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 266. | 0. | 0. | -27341.5 | 27341.5 | 0.00 | |
| 121 | 26979. | 0. | -26910. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 273. | 0. | 0. | -27271.7 | 27271.7 | 0.00 | |
| 122 | 26910. | 0. | -26847. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 280. | 0. | 0. | -27209.1 | 27209.1 | 0.00 | |
| 123 | 26847. | 0. | -26792. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 287. | 0. | 0. | -27153.4 | 27153.4 | 0.00 | |
| 124 | 26792. | 0. | -26743. | 2. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 295. | 0. | 0. | -27104.8 | 27104.8 | 0.00 | |
| 125 | 26743. | 0. | -26702. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -59. | 0. | 0. | 0. | 302. | 0. | 0. | -27063.3 | 27063.3 | 0.00 | |
| 126 | 26702. | 0. | -26667. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 309. | 0. | 0. | -27028.7 | 27028.7 | 0.00 | |
| 127 | 26667. | 0. | -26640. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 17. | -295. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 316. | 0. | 0. | -27001.2 | 27001.2 | 0.00 | |
| 128 | 26640. | 0. | -26619. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17. | -295. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 323. | 0. | 0. | -26980.6 | 26980.6 | 0.00 | |
| 129 | 26619. | 0. | -26606. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18. | -295. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 330. | 0. | 0. | -26967.0 | 26967.0 | 0.00 | |
| 130 | 26606. | 0. | -26603. | 0. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 18. | -295. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 337. | 0. | 0. | -26963.9 | 26963.9 | 0.00 | |
| 131 | 26603. | 0. | -26713. | -3. | 0. | 113. | 0. | 0. | 0. | 0. | 0. | 17. | -294. | -8. | 0. | 0. | -58. | 0. | 0. | 0. | 344. | 0. | 0. | -27077.1 | 27077.1 | 0.00 | |
| 132 | 26713. | 0. | -46798. | -113. | 0. | 5. | 0. | 0. | 0. | 19765. | 0. | 222. | -1387. | -55. | 0. | 0. | -635. | 0. | 0. | 0. | 2284. | 0. | 0. | -48988.8 | 48988.8 | -0.04 | |
| 133 | 46798. | 0. | -47196. | -5. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 213. | -1412. | -55. | 0. | 0. | -635. | 0. | 0. | 0. | 2286. | 0. | 0. | -49301.9 | 49301.8 | -0.05 | |
| 134 | 47196. | 0. | -47562. | -4. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 205. | -1436. | -55. | 0. | 0. | -635. | 0. | 0. | 0. | 2288. | 0. | 0. | -49692.3 | 49692.3 | -0.05 | |
| 135 | 47562. | 0. | -47900. | -4. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 197. | -1459. | -55. | 0. | 0. | -635. | 0. | 0. | 0. | 2290. | 0. | 0. | -50053.0 | 50053.0 | -0.05 | |
| 136 | 47900. | 0. | -48208. | -4. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 190. | -1483. | -56. | 0. | 0. | -635. | 0. | 0. | 0. | 2291. | 0. | 0. | -50384.9 | 50384.8 | -0.06 | |
| 137 | 48208. | 0. | -48489. | -3. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 184. | -1506. | -56. | 0. | 0. | -634. | 0. | 0. | 0. | 2293. | 0. | 0. | -50688.8 | 50688.8 | -0.06 | |
| 138 | 48489. | 0. | -48743. | -3. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 178. | -1529. | -56. | 0. | 0. | -634. | 0. | 0. | 0. | 2295. | 0. | 0. | -50965.6 | 50965.6 | -0.05 | |
| 139 | 48743. | 0. | -48971. | -3. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 173. | -1552. | -56. | 0. | 0. | -634. | 0. | 0. | 0. | 2297. | 0. | 0. | -51216.1 | 51216.1 | -0.06 | |
| 140 | 48971. | 0. | -49175. | -2. | 0. | 2. | 0. | 0. | 0. | 1. | 0. | 169. | -1575. | -56. | 0. | 0. | -634. | 0. | 0. | 0. | 2299. | 0. | 0. | -51441.9 | 51441.8 | -0.07 | |
| 141 | 49175. | 0. | -49353. | -2. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 165. | -1597. | -56. | 0. | 0. | -634. | 0. | 0. | 0. | 2301. | 0. | 0. | -51642.2 | 51642.1 | -0.06 | |
| 142 | 49353. | 0. | -49507. | -2. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 161. | -1619. | -57. | 0. | 0. | -634. | 0. | 0. | 0. | 2303. | 0. | 0. | -51818.5 | 51818.5 | -0.06 | |
| 143 | 49507. | 0. | -49639. | -2. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 158. | -1641. | -57. | 0. | 0. | -634. | 0. | 0. | 0. | 2305. | 0. | 0. | -51971.7 | 51971.6 | -0.07 | |
| 144 | 49639. | 0. | -49748. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 156. | -1663. | -57. | 0. | 0. | -633. | 0. | 0. | 0. | 2307. | 0. | 0. | -52102.4 | 52102.4 | -0.07 | |
| 145 | 49748. | 0. | -49836. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 154. | -1685. | -57. | 0. | 0. | -633. | 0. | 0. | 0. | 2309. | 0. | 0. | -52211.4 | 52211.3 | -0.07 | |
| 146 | 49836. | 0. | -49902. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 153. | -1706. | -57. | 0. | 0. | -633. | 0. | 0. | 0. | 2310. | 0. | 0. | -52299.2 | 52299.2 | -0.06 | |
| 147 | 49902. | 0. | -49949. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 152. | -1727. | -57. | 0. | 0. | -633. | 0. | 0. | 0. | 2312. | 0. | 0. | -52366.7 | 52366.6 | -0.07 | |
| 148 | 49949. | 0. | -49976. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 151. | -1748. | -57. | 0. | 0. | -633. | 0. | 0. | 0. | 2314. | 0. | 0. | -52414.4 | 52414.3 | -0.07 | |
| 149 | 49976. | 0. | -49984. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 151. | -1769. | -58. | 0. | 0. | -633. | 0. | 0. | 0. | 2316. | 0. | 0. | -52443.3 | 52443.2 | -0.07 | |
| 150 | 49984. | 0. | -49974. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 151. | -1789. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2318. | 0. | 0. | -52453.7 | 52453.6 | -0.07 | |
| 151 | 49974. | 0. | -49946. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 152. | -1810. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2320. | 0. | 0. | -52446.2 | 52446.2 | -0.06 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 152 | 49946. | 0. | -49901. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 153. | -1830. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2322. | 0. | 0. | -52421.5 | 52421.4 | -0.06 |
| 153 | 49901. | 0. | -49839. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 155. | -1850. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2324. | 0. | 0. | -52380.0 | 52380.0 | -0.07 |
| 154 | 49839. | 0. | -49762. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 156. | -1870. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2325. | 0. | 0. | -52322.4 | 52322.3 | -0.07 |
| 155 | 49762. | 0. | -49669. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 159. | -1889. | -58. | 0. | 0. | -632. | 0. | 0. | 0. | 2327. | 0. | 0. | -52249.0 | 52249.0 | -0.06 |
| 156 | 49669. | 0. | -49561. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 161. | -1909. | -58. | 0. | 0. | -631. | 0. | 0. | 0. | 2329. | 0. | 0. | -52160.6 | 52160.6 | -0.05 |
| 157 | 49561. | 0. | -49439. | 1. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 164. | -1928. | -58. | 0. | 0. | -631. | 0. | 0. | 0. | 2331. | 0. | 0. | -52057.6 | 52057.6 | -0.06 |
| 158 | 49439. | 0. | -49302. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 167. | -1947. | -59. | 0. | 0. | -631. | 0. | 0. | 0. | 2333. | 0. | 0. | -51940.5 | 51940.4 | -0.06 |
| 159 | 49302. | 0. | -49153. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 171. | -1966. | -59. | 0. | 0. | -631. | 0. | 0. | 0. | 2335. | 0. | 0. | -51809.8 | 51809.7 | -0.06 |
| 160 | 49153. | 0. | -48990. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 175. | -1984. | -59. | 0. | 0. | -631. | 0. | 0. | 0. | 2337. | 0. | 0. | -51666.0 | 51665.9 | -0.05 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 48990. | 0. | -48815. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 179. | -2003. | -59. | 0. | 0. | -631. | 0. | 0. | 0. | 2339. | 0. | 0. | -51509.5 | 51509.4 | -0.06 |
| 162 | 48815. | 0. | -48628. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 183. | -2021. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2341. | 0. | 0. | -51340.8 | 51340.7 | -0.05 |
| 163 | 48628. | 0. | -48429. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 188. | -2039. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2342. | 0. | 0. | -51160.3 | 51160.2 | -0.06 |
| 164 | 48429. | 0. | -48219. | 2. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 192. | -2057. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2344. | 0. | 0. | -50968.5 | 50968.4 | -0.06 |
| 165 | 48219. | 0. | -47999. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 197. | -2075. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2346. | 0. | 0. | -50765.8 | 50765.7 | -0.05 |
| 166 | 47999. | 0. | -47768. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 203. | -2093. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2348. | 0. | 0. | -50552.5 | 50552.5 | -0.05 |
| 167 | 47768. | 0. | -47527. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 208. | -2110. | -59. | 0. | 0. | -630. | 0. | 0. | 0. | 2350. | 0. | 0. | -50329.2 | 50329.2 | -0.05 |
| 168 | 47527. | 0. | -47277. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 214. | -2127. | -59. | 0. | 0. | -629. | 0. | 0. | 0. | 2352. | 0. | 0. | -50096.1 | 50096.1 | -0.06 |
| 169 | 47277. | 0. | -47017. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 220. | -2144. | -60. | 0. | 0. | -629. | 0. | 0. | 0. | 2354. | 0. | 0. | -49853.7 | 49853.7 | -0.05 |
| 170 | 47017. | 0. | -46749. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 226. | -2161. | -60. | 0. | 0. | -629. | 0. | 0. | 0. | 2356. | 0. | 0. | -49602.3 | 49602.3 | -0.04 |
| 171 | 46749. | 0. | -46472. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 233. | -2178. | -60. | 0. | 0. | -629. | 0. | 0. | 0. | 2357. | 0. | 0. | -49342.3 | 49342.2 | -0.05 |
| 172 | 46472. | 0. | -46187. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | 239. | -2195. | -60. | 0. | 0. | -629. | 0. | 0. | 0. | 2359. | 0. | 0. | -49074.0 | 49073.9 | -0.04 |
| 173 | 46187. | 0. | -45894. | 3. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 246. | -2211. | -60. | 0. | 0. | -629. | 0. | 0. | 0. | 2361. | 0. | 0. | -48797.7 | 48797.7 | -0.05 |
| 174 | 45894. | 0. | -45594. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 253. | -2228. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2363. | 0. | 0. | -48513.8 | 48513.8 | -0.04 |
| 175 | 45594. | 0. | -45287. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 260. | -2244. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2365. | 0. | 0. | -48222.7 | 48222.6 | -0.05 |
| 176 | 45287. | 0. | -44973. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 267. | -2260. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2367. | 0. | 0. | -47924.5 | 47924.5 | -0.04 |
| 177 | 44973. | 0. | -44652. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 274. | -2276. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2369. | 0. | 0. | -47619.6 | 47619.6 | -0.03 |
| 178 | 44652. | 0. | -44325. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 282. | -2291. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2370. | 0. | 0. | -47308.4 | 47308.4 | -0.04 |
| 179 | 44325. | 0. | -43992. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 290. | -2307. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2372. | 0. | 0. | -46991.1 | 46991.0 | -0.03 |
| 180 | 43992. | 0. | -43650. | 4. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 297. | -2322. | -60. | 0. | 0. | -628. | 0. | 0. | 0. | 2374. | 0. | 0. | -46668.0 | 46668.0 | -0.03 |
| 181 | 43650. | 0. | -43053. | 9. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 673. | -7831. | -208. | 0. | 0. | -1357. | 0. | 0. | 0. | 8125. | 0. | 0. | -52456.6 | 52456.5 | -0.10 |
| 182 | 43053. | 0. | -42587. | 8. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | 696. | -7685. | -209. | 0. | 0. | -1357. | 0. | 0. | 0. | 8088. | 0. | 0. | -51844.3 | 51844.2 | -0.08 |
| 183 | 42587. | 0. | -42240. | 6. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 713. | -7544. | -211. | 0. | 0. | -1357. | 0. | 0. | 0. | 8051. | 0. | 0. | -51356.1 | 51356.1 | -0.07 |
| 184 | 42240. | 0. | -42004. | 4. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 724. | -7408. | -212. | 0. | 0. | -1357. | 0. | 0. | 0. | 8013. | 0. | 0. | -50982.3 | 50982.2 | -0.07 |
| 185 | 42004. | 0. | -41868. | 2. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 731. | -7275. | -213. | 0. | 0. | -1357. | 0. | 0. | 0. | 7976. | 0. | 0. | -50713.5 | 50713.5 | -0.07 |
| 186 | 41868. | 0. | -41824. | 1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 733. | -7147. | -214. | 0. | 0. | -1357. | 0. | 0. | 0. | 7939. | 0. | 0. | -50541.8 | 50541.7 | -0.07 |
| 187 | 41824. | 0. | -41864. | -1. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 731. | -7022. | -215. | 0. | 0. | -1357. | 0. | 0. | 0. | 7902. | 0. | 0. | -50459.5 | 50459.4 | -0.07 |
| 188 | 41864. | 0. | -41981. | -2. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 726. | -6902. | -217. | 0. | 0. | -1357. | 0. | 0. | 0. | 7865. | 0. | 0. | -50458.2 | 50458.1 | -0.08 |
| 189 | 41981. | 0. | -42167. | -3. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 717. | -6785. | -218. | 0. | 0. | -1357. | 0. | 0. | 0. | 7828. | 0. | 0. | -50529.8 | 50529.7 | -0.07 |
| 190 | 42167. | 0. | -42416. | -4. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 704. | -6672. | -219. | 0. | 0. | -1356. | 0. | 0. | 0. | 7790. | 0. | 0. | -50667.7 | 50667.6 | -0.09 |
| 191 | 42416. | 0. | -42722. | -5. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 689. | -6562. | -220. | 0. | 0. | -1356. | 0. | 0. | 0. | 7753. | 0. | 0. | -50865.4 | 50865.3 | -0.09 |
| 192 | 42722. | 0. | -43078. | -6. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | 672. | -6455. | -221. | 0. | 0. | -1356. | 0. | 0. | 0. | 7716. | 0. | 0. | -51117.1 | 51116.9 | -0.11 |
| 193 | 43078. | 0. | -43480. | -7. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 652. | -6352. | -222. | 0. | 0. | -1356. | 0. | 0. | 0. | 7679. | 0. | 0. | -51417.2 | 51417.1 | -0.12 |
| 194 | 43480. | 0. | -43921. | -8. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | 630. | -6252. | -223. | 0. | 0. | -1356. | 0. | 0. | 0. | 7642. | 0. | 0. | -51760.5 | 51760.4 | -0.12 |
| 195 | 43921. | 0. | -44399. | -8. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 607. | -6155. | -224. | 0. | 0. | -1356. | 0. | 0. | 0. | 7605. | 0. | 0. | -52142.2 | 52142.0 | -0.14 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | 44399. | 0. | -44907. | -9. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | 582. | -6061. | -225. | 0. | 0. | -1356. | 0. | 0. | 0. | 7568. | 0. | 0. | -52557.7 | 52557.5 | -0.15 |
| 197 | 44907. | 0. | -45442. | -9. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 556. | -5970. | -226. | 0. | 0. | -1356. | 0. | 0. | 0. | 7530. | 0. | 0. | -53002.8 | 53002.7 | -0.16 |
| 198 | 45442. | 0. | -46000. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 528. | -5882. | -226. | 0. | 0. | -1356. | 0. | 0. | 0. | 7493. | 0. | 0. | -53473.6 | 53473.5 | -0.18 |
| 199 | 46000. | 0. | -46577. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 500. | -5797. | -227. | 0. | 0. | -1356. | 0. | 0. | 0. | 7456. | 0. | 0. | -53966.4 | 53966.3 | -0.19 |
| 200 | 46577. | 0. | -47170. | -10. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 471. | -5714. | -228. | 0. | 0. | -1356. | 0. | 0. | 0. | 7419. | 0. | 0. | -54477.8 | 54477.5 | -0.20 |
| 201 | 47170. | 0. | -47777. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 441. | -5633. | -228. | 0. | 0. | -1356. | 0. | 0. | 0. | 7382. | 0. | 0. | -55004.5 | 55004.3 | -0.21 |
| 202 | 47777. | 0. | -48393. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 411. | -5555. | -229. | 0. | 0. | -1356. | 0. | 0. | 0. | 7345. | 0. | 0. | -55543.6 | 55543.3 | -0.23 |
| 203 | 48393. | 0. | -49017. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 380. | -5480. | -229. | 0. | 0. | -1355. | 0. | 0. | 0. | 7308. | 0. | 0. | -56092.3 | 56092.0 | -0.24 |
| 204 | 49017. | 0. | -49645. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 349. | -5407. | -229. | 0. | 0. | -1355. | 0. | 0. | 0. | 7271. | 0. | 0. | -56648.1 | 56647.8 | -0.25 |
| 205 | 49645. | 0. | -50277. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 318. | -5336. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7234. | 0. | 0. | -57208.6 | 57208.3 | -0.28 |
| 206 | 50277. | 0. | -50908. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 287. | -5267. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7196. | 0. | 0. | -57771.6 | 57771.3 | -0.28 |
| 207 | 50908. | 0. | -51538. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 256. | -5201. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7159. | 0. | 0. | -58335.1 | 58334.8 | -0.29 |
| 208 | 51538. | 0. | -52165. | -11. | 0. | 11. | 0. | 0. | 0. | 1. | 0. | 226. | -5136. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7122. | 0. | 0. | -58897.7 | 58897.4 | -0.31 |
| 209 | 52165. | 0. | -52787. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 195. | -5074. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7085. | 0. | 0. | -59456.5 | 59456.2 | -0.30 |
| 210 | 52787. | 0. | -53402. | -11. | 0. | 11. | 0. | 0. | 0. | 0. | 0. | 165. | -5013. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7048. | 0. | 0. | -60010.6 | 60010.3 | -0.33 |
| 211 | 53402. | 0. | -54009. | -11. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 135. | -4954. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 7011. | 0. | 0. | -60558.5 | 60558.2 | -0.33 |
| 212 | 54009. | 0. | -54606. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 106. | -4897. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 6974. | 0. | 0. | -61098.8 | 61098.5 | -0.35 |
| 213 | 54606. | 0. | -55193. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 77. | -4842. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 6937. | 0. | 0. | -61630.3 | 61630.0 | -0.34 |
| 214 | 55193. | 0. | -55769. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 49. | -4788. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 6900. | 0. | 0. | -62151.9 | 62151.6 | -0.36 |
| 215 | 55769. | 0. | -56332. | -10. | 0. | 10. | 0. | 0. | 0. | 0. | 0. | 21. | -4737. | -230. | 0. | 0. | -1355. | 0. | 0. | 0. | 6863. | 0. | 0. | -62662.5 | 62662.1 | -0.36 |
| 216 | 56332. | 0. | -56881. | -10. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | -6. | -4686. | -229. | 0. | 0. | -1355. | 0. | 0. | 0. | 6826. | 0. | 0. | -63167.1 | 63166.7 | -0.38 |
| 217 | 56881. | 0. | -57416. | -9. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | -32. | -4638. | -229. | 0. | 0. | -1354. | 0. | 0. | 0. | 6788. | 0. | 0. | -63679.2 | 63678.8 | -0.39 |
| 218 | 57416. | 0. | -57937. | -9. | 0. | 9. | 0. | 0. | 0. | 0. | 0. | -58. | -4590. | -229. | 0. | 0. | -1354. | 0. | 0. | 0. | 6751. | 0. | 0. | -64177.1 | 64176.7 | -0.39 |
| 219 | 57937. | 0. | -58441. | -9. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | -82. | -4545. | -229. | 0. | 0. | -1354. | 0. | 0. | 0. | 6714. | 0. | 0. | -64659.9 | 64659.5 | -0.39 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 220 | 58441. | 0. | -58930. | -8. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | -106. | -4500. | -228. | 0. | 0. | -1354. | 0. | 0. | 0. | 6677. | 0. | 0. | -65127.1 | 65126.7 | -0.41 |
| 221 | 58930. | 0. | -59401. | -8. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | -130. | -4457. | -228. | 0. | 0. | -1354. | 0. | 0. | 0. | 6640. | 0. | 0. | -65578.2 | 65577.8 | -0.40 |
| 222 | 59401. | 0. | -59856. | -8. | 0. | 8. | 0. | 0. | 0. | 0. | 0. | -152. | -4415. | -227. | 0. | 0. | -1354. | 0. | 0. | 0. | 6603. | 0. | 0. | -66012.5 | 66012.1 | -0.41 |
| 223 | 59856. | 0. | -60293. | -8. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | -173. | -4375. | -227. | 0. | 0. | -1354. | 0. | 0. | 0. | 6566. | 0. | 0. | -66429.6 | 66429.2 | -0.42 |
| 224 | 60293. | 0. | -60712. | -7. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | -194. | -4336. | -226. | 0. | 0. | -1354. | 0. | 0. | 0. | 6529. | 0. | 0. | -66829.2 | 66828.8 | -0.43 |
| 225 | 60712. | 0. | -61113. | -7. | 0. | 7. | 0. | 0. | 0. | 0. | 0. | -213. | -4298. | -226. | 0. | 0. | -1354. | 0. | 0. | 0. | 6492. | 0. | 0. | -67210.8 | 67210.4 | -0.43 |
| 226 | 61113. | 0. | -61495. | -7. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | -232. | -4261. | -225. | 0. | 0. | -1354. | 0. | 0. | 0. | 6455. | 0. | 0. | -67574.2 | 67573.8 | -0.43 |
| 227 | 61495. | 0. | -61859. | -6. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | -250. | -4226. | -225. | 0. | 0. | -1354. | 0. | 0. | 0. | 6418. | 0. | 0. | -67919.4 | 67918.9 | -0.42 |
| 228 | 61859. | 0. | -62205. | -6. | 0. | 6. | 0. | 0. | 0. | 0. | 0. | -267. | -4191. | -224. | 0. | 0. | -1354. | 0. | 0. | 0. | 6381. | 0. | 0. | -68246.1 | 68245.7 | -0.42 |
| 229 | 62205. | 0. | -62531. | -6. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | -283. | -4157. | -223. | 0. | 0. | -1354. | 0. | 0. | 0. | 6344. | 0. | 0. | -68554.1 | 68553.7 | -0.41 |
| 230 | 62531. | 0. | -62839. | -5. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | -298. | -4125. | -223. | 0. | 0. | -1353. | 0. | 0. | 0. | 6307. | 0. | 0. | -68843.4 | 68843.0 | -0.42 |
| 231 | 62839. | 0. | -63128. | -5. | 0. | 5. | 0. | 0. | 0. | 0. | 0. | -312. | -4094. | -222. | 0. | 0. | -1353. | 0. | 0. | 0. | 6270. | 0. | 0. | -69113.9 | 69113.4 | -0.43 |
| 232 | 63128. | 0. | -63398. | -5. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | -325. | -4063. | -221. | 0. | 0. | -1353. | 0. | 0. | 0. | 6233. | 0. | 0. | -69365.2 | 69364.8 | -0.43 |
| 233 | 63398. | 0. | -63648. | -4. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | -338. | -4033. | -221. | 0. | 0. | -1353. | 0. | 0. | 0. | 6196. | 0. | 0. | -69597.7 | 69597.2 | -0.42 |
| 234 | 63648. | 0. | -63880. | -4. | 0. | 4. | 0. | 0. | 0. | 0. | 0. | -349. | -4005. | -220. | 0. | 0. | -1353. | 0. | 0. | 0. | 6159. | 0. | 0. | -69811.1 | 69810.7 | -0.42 |
| 235 | 63880. | 0. | -64093. | -4. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | -360. | -3977. | -219. | 0. | 0. | -1353. | 0. | 0. | 0. | 6122. | 0. | 0. | -70005.5 | 70005.1 | -0.42 |
| 236 | 64093. | 0. | -64287. | -3. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | -369. | -3950. | -219. | 0. | 0. | -1353. | 0. | 0. | 0. | 6085. | 0. | 0. | -70181.0 | 70180.6 | -0.41 |
| 237 | 64287. | 0. | -64462. | -3. | 0. | 3. | 0. | 0. | 0. | 0. | 0. | -378. | -3924. | -218. | 0. | 0. | -1353. | 0. | 0. | 0. | 6048. | 0. | 0. | -70337.7 | 70337.3 | -0.41 |
| 238 | 64462. | 0. | -64619. | -3. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | -385. | -3899. | -217. | 0. | 0. | -1353. | 0. | 0. | 0. | 6011. | 0. | 0. | -70475.6 | 70475.2 | -0.41 |
| 239 | 64619. | 0. | -64757. | -2. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | -392. | -3874. | -217. | 0. | 0. | -1353. | 0. | 0. | 0. | 5974. | 0. | 0. | -70594.8 | 70594.4 | -0.41 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 64757. | 0. | -64876. | -2. | 0. | 2. | 0. | 0. | 0. | 0. | 0. | -398. | -3850. | -216. | 0. | 0. | -1353. | 0. | 0. | 0. | 5937. | 0. | 0. | -70695.5 | 70695.1 | -0.41 |
| 241 | 64876. | 0. | -64978. | -2. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | -403. | -3827. | -215. | 0. | 0. | -1353. | 0. | 0. | 0. | 5900. | 0. | 0. | -70777.9 | 70777.4 | -0.42 |
| 242 | 64978. | 0. | -65061. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | -407. | -3805. | -215. | 0. | 0. | -1353. | 0. | 0. | 0. | 5863. | 0. | 0. | -70842.0 | 70841.6 | -0.41 |
| 243 | 65061. | 0. | -65127. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | -410. | -3783. | -214. | 0. | 0. | -1353. | 0. | 0. | 0. | 5826. | 0. | 0. | -70888.1 | 70887.7 | -0.41 |
| 244 | 65127. | 0. | -65175. | -1. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | -412. | -3762. | -214. | 0. | 0. | -1352. | 0. | 0. | 0. | 5789. | 0. | 0. | -70916.4 | 70916.0 | -0.41 |
| 245 | 65175. | 0. | -65205. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -414. | -3742. | -213. | 0. | 0. | -1352. | 0. | 0. | 0. | 5752. | 0. | 0. | -70927.0 | 70926.6 | -0.41 |
| 246 | 65205. | 0. | -65219. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -414. | -3722. | -212. | 0. | 0. | -1352. | 0. | 0. | 0. | 5715. | 0. | 0. | -70920.3 | 70919.9 | -0.41 |
| 247 | 65219. | 0. | -65215. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -414. | -3703. | -212. | 0. | 0. | -1352. | 0. | 0. | 0. | 5678. | 0. | 0. | -70896.6 | 70896.2 | -0.41 |
| 248 | 65215. | 0. | -65194. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | -413. | -3685. | -211. | 0. | 0. | -1352. | 0. | 0. | 0. | 5641. | 0. | 0. | -70856.2 | 70855.8 | -0.40 |
| 249 | 65194. | 0. | -65157. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | -411. | -3667. | -211. | 0. | 0. | -1352. | 0. | 0. | 0. | 5604. | 0. | 0. | -70799.1 | 70798.7 | -0.39 |
| 250 | 65157. | 0. | -65104. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | -409. | -3649. | -210. | 0. | 0. | -1352. | 0. | 0. | 0. | 5567. | 0. | 0. | -70725.5 | 70725.1 | -0.40 |
| 251 | 65104. | 0. | -65035. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | -405. | -3633. | -210. | 0. | 0. | -1352. | 0. | 0. | 0. | 5530. | 0. | 0. | -70635.6 | 70635.2 | -0.40 |
| 252 | 65035. | 0. | -64950. | 1. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | -401. | -3616. | -209. | 0. | 0. | -1352. | 0. | 0. | 0. | 5493. | 0. | 0. | -70529.6 | 70529.2 | -0.39 |
| 253 | 64950. | 0. | -64850. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | -396. | -3600. | -208. | 0. | 0. | -1352. | 0. | 0. | 0. | 5456. | 0. | 0. | -70407.9 | 70407.5 | -0.39 |
| 254 | 64850. | 0. | -64734. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | -390. | -3585. | -208. | 0. | 0. | -1352. | 0. | 0. | 0. | 5419. | 0. | 0. | -70270.8 | 70270.4 | -0.40 |
| 255 | 64734. | 0. | -64603. | 2. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | -384. | -3570. | -207. | 0. | 0. | -1352. | 0. | 0. | 0. | 5382. | 0. | 0. | -70118.3 | 70117.9 | -0.40 |
| 256 | 64603. | 0. | -64458. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | -376. | -3556. | -207. | 0. | 0. | -1352. | 0. | 0. | 0. | 5345. | 0. | 0. | -69951.0 | 69950.6 | -0.39 |
| 257 | 64458. | 0. | -64298. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | -369. | -3542. | -206. | 0. | 0. | -1352. | 0. | 0. | 0. | 5308. | 0. | 0. | -69769.0 | 69768.6 | -0.39 |
| 258 | 64298. | 0. | -64124. | 3. | 0. | -3. | 0. | 0. | 0. | 0. | 0. | -360. | -3528. | -206. | 0. | 0. | -1351. | 0. | 0. | 0. | 5271. | 0. | 0. | -69572.4 | 69572.0 | -0.38 |
| 259 | 64124. | 0. | -63936. | 3. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | -351. | -3515. | -205. | 0. | 0. | -1351. | 0. | 0. | 0. | 5234. | 0. | 0. | -69361.7 | 69361.3 | -0.40 |
| 260 | 63936. | 0. | -63735. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | -341. | -3502. | -204. | 0. | 0. | -1351. | 0. | 0. | 0. | 5197. | 0. | 0. | -69137.1 | 69136.7 | -0.38 |
| 261 | 63735. | 0. | -63520. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | -330. | -3490. | -204. | 0. | 0. | -1351. | 0. | 0. | 0. | 5160. | 0. | 0. | -68898.9 | 68898.5 | -0.41 |
| 262 | 63520. | 0. | -63292. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | -319. | -3478. | -203. | 0. | 0. | -1351. | 0. | 0. | 0. | 5123. | 0. | 0. | -68647.3 | 68647.0 | -0.38 |
| 263 | 63292. | 0. | -63051. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | -307. | -3466. | -203. | 0. | 0. | -1351. | 0. | 0. | 0. | 5086. | 0. | 0. | -68382.7 | 68382.3 | -0.38 |
| 264 | 63051. | 0. | -62801. | 4. | 0. | -5. | 0. | 0. | 0. | 4. | 0. | -294. | -3455. | -203. | 0. | 0. | -1351. | 0. | 0. | 0. | 5049. | 0. | 0. | -68109.0 | 68108.6 | -0.39 |
| 265 | 62801. | 0. | -62534. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | -281. | -3444. | -203. | 0. | 0. | -1351. | 0. | 0. | 0. | 5012. | 0. | 0. | -67818.0 | 67817.6 | -0.38 |
| 266 | 62534. | 0. | -62256. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | -268. | -3434. | -202. | 0. | 0. | -1351. | 0. | 0. | 0. | 4975. | 0. | 0. | -67514.8 | 67514.4 | -0.38 |
| 267 | 62256. | 0. | -61965. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | -253. | -3423. | -202. | 0. | 0. | -1351. | 0. | 0. | 0. | 4939. | 0. | 0. | -67199.6 | 67199.2 | -0.38 |
| 268 | 61965. | 0. | -61664. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | -238. | -3413. | -201. | 0. | 0. | -1351. | 0. | 0. | 0. | 4902. | 0. | 0. | -66872.7 | 66872.3 | -0.39 |
| 269 | 61664. | 0. | -61351. | 5. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | -223. | -3404. | -200. | 0. | 0. | -1351. | 0. | 0. | 0. | 4865. | 0. | 0. | -66534.3 | 66533.9 | -0.38 |
| 270 | 61351. | 0. | -61027. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | -207. | -3394. | -200. | 0. | 0. | -1351. | 0. | 0. | 0. | 4828. | 0. | 0. | -66184.6 | 66184.2 | -0.38 |
| 271 | 61027. | 0. | -60693. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | -191. | -3385. | -199. | 0. | 0. | -1350. | 0. | 0. | 0. | 4791. | 0. | 0. | -65824.0 | 65823.7 | -0.36 |
| 272 | 60693. | 0. | -60348. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | -174. | -3377. | -198. | 0. | 0. | -1350. | 0. | 0. | 0. | 4754. | 0. | 0. | -65452.9 | 65452.5 | -0.37 |
| 273 | 60348. | 0. | -59993. | 6. | 0. | -6. | 0. | 0. | 0. | 0. | 0. | -156. | -3368. | -198. | 0. | 0. | -1350. | 0. | 0. | 0. | 4717. | 0. | 0. | -65071.3 | 65071.0 | -0.36 |
| 274 | 59993. | 0. | -59628. | 6. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -138. | -3360. | -197. | 0. | 0. | -1350. | 0. | 0. | 0. | 4680. | 0. | 0. | -64679.6 | 64679.3 | -0.35 |
| 275 | 59628. | 0. | -59253. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -120. | -3352. | -196. | 0. | 0. | -1350. | 0. | 0. | 0. | 4643. | 0. | 0. | -64278.0 | 64277.7 | -0.35 |
| 276 | 59253. | 0. | -58869. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -101. | -3344. | -195. | 0. | 0. | -1350. | 0. | 0. | 0. | 4606. | 0. | 0. | -63866.6 | 63866.3 | -0.35 |
| 277 | 58869. | 0. | -58476. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -81. | -3337. | -195. | 0. | 0. | -1350. | 0. | 0. | 0. | 4569. | 0. | 0. | -63445.8 | 63445.4 | -0.34 |
| 278 | 58476. | 0. | -58073. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -62. | -3329. | -194. | 0. | 0. | -1350. | 0. | 0. | 0. | 4533. | 0. | 0. | -63015.7 | 63015.3 | -0.33 |

DISSOLVED OXYGEN LOADING FOR REACH 1: Grassy Lake

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | WSLD IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 279 | 58073. | 0. | -57662. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -41. | -3322. | -193. | 0. | 0. | -1350. | 0. | 0. | 0. | 4496. | 0. | 0. | -62576.5 | 62576.2 | -0.33 |
| 280 | 57662. | 0. | -57242. | 7. | 0. | -7. | 0. | 0. | 0. | 0. | 0. | -21. | -3316. | -193. | 0. | 0. | -1350. | 0. | 0. | 0. | 4459. | 0. | 0. | -62128.5 | 62128.2 | -0.31 |
| 281 | 57242. | 0. | -56814. | 7. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 0. | -3309. | -192. | 0. | 0. | -1350. | 0. | 0. | 0. | 4422. | 0. | 0. | -61672.1 | 61671.7 | -0.31 |
| 282 | 56814. | 0. | -56377. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 22. | -3303. | -191. | 0. | 0. | -1350. | 0. | 0. | 0. | 4385. | 0. | 0. | -61228.4 | 61228.1 | -0.31 |
| 283 | 56377. | 0. | -55932. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 44. | -3296. | -191. | 0. | 0. | -1350. | 0. | 0. | 0. | 4348. | 0. | 0. | -60776.8 | 60776.5 | -0.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 284 | 55932. | 0. | -55480. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 66. | -3290. | -190. | 0. | 0. | -1350. | 0. | 0. | 0. | 4311. | 0. | 0. | -60317.7 | 60317.4 | -0.29 |
| 285 | 55480. | 0. | -55020. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 89. | -3284. | -189. | 0. | 0. | -1349. | 0. | 0. | 0. | 4274. | 0. | 0. | -59851.0 | 59850.7 | -0.29 |
| 286 | 55020. | 0. | -54552. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 112. | -3279. | -189. | 0. | 0. | -1349. | 0. | 0. | 0. | 4237. | 0. | 0. | -59377.0 | 59376.7 | -0.27 |
| 287 | 54552. | 0. | -54077. | 8. | 0. | -8. | 0. | 0. | 0. | 0. | 0. | 135. | -3273. | -188. | 0. | 0. | -1349. | 0. | 0. | 0. | 4201. | 0. | 0. | -58895.9 | 58895.6 | -0.27 |
| 288 | 54077. | 0. | -53595. | 8. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 159. | -3268. | -187. | 0. | 0. | -1349. | 0. | 0. | 0. | 4164. | 0. | 0. | -58407.9 | 58407.6 | -0.27 |
| 289 | 53595. | 0. | -53106. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 183. | -3263. | -187. | 0. | 0. | -1349. | 0. | 0. | 0. | 4127. | 0. | 0. | -57913.0 | 57912.8 | -0.25 |
| 290 | 53106. | 0. | -52610. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 207. | -3258. | -186. | 0. | 0. | -1349. | 0. | 0. | 0. | 4090. | 0. | 0. | -57411.6 | 57411.4 | -0.25 |
| 291 | 52610. | 0. | -52107. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 232. | -3253. | -186. | 0. | 0. | -1349. | 0. | 0. | 0. | 4053. | 0. | 0. | -56903.8 | 56903.5 | -0.24 |
| 292 | 52107. | 0. | -51599. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 257. | -3248. | -185. | 0. | 0. | -1349. | 0. | 0. | 0. | 4016. | 0. | 0. | -56389.6 | 56389.4 | -0.25 |
| 293 | 51599. | 0. | -51083. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 282. | -3244. | -184. | 0. | 0. | -1349. | 0. | 0. | 0. | 3979. | 0. | 0. | -55869.3 | 55869.1 | -0.22 |
| 294 | 51083. | 0. | -50562. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 308. | -3239. | -184. | 0. | 0. | -1349. | 0. | 0. | 0. | 3943. | 0. | 0. | -55343.1 | 55342.9 | -0.22 |
| 295 | 50562. | 0. | -50035. | 9. | 0. | -9. | 0. | 0. | 0. | 0. | 0. | 334. | -3235. | -183. | 0. | 0. | -1349. | 0. | 0. | 0. | 3906. | 0. | 0. | -54811.1 | 54810.9 | -0.21 |
| 296 | 50035. | 0. | -49506. | 9. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 360. | -3231. | -182. | 0. | 0. | -1349. | 0. | 0. | 0. | 3869. | 0. | 0. | -54273.2 | 54273.0 | -0.21 |
| 297 | 49506. | 0. | -49194. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 70. | -796. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -50245.5 | 50245.5 | -0.04 |
| 298 | 49194. | 0. | -48886. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 73. | -795. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -49936.3 | 49936.2 | -0.02 |
| 299 | 48886. | 0. | -48582. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 76. | -794. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -49630.8 | 49630.8 | -0.03 |
| 300 | 48582. | 0. | -48281. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 79. | -793. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -49329.2 | 49329.2 | -0.02 |
| 301 | 48281. | 0. | -47984. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 81. | -792. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -49031.2 | 49031.2 | -0.03 |
| 302 | 47984. | 0. | -47691. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 84. | -791. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -48737.0 | 48737.0 | -0.02 |
| 303 | 47691. | 0. | -47402. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 87. | -790. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -48446.4 | 48446.4 | -0.02 |
| 304 | 47402. | 0. | -47116. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 89. | -789. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -48159.5 | 48159.5 | -0.02 |
| 305 | 47116. | 0. | -46833. | 5. | 0. | -5. | 0. | 0. | 0. | 0. | 0. | 92. | -788. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -47876.1 | 47876.1 | -0.03 |
| 306 | 46833. | 0. | -46554. | 5. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 95. | -787. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -47596.2 | 47596.2 | -0.02 |
| 307 | 46554. | 0. | -46279. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 97. | -787. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -47319.9 | 47319.8 | -0.03 |
| 308 | 46279. | 0. | -46007. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 100. | -786. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -47046.9 | 47046.9 | -0.02 |
| 309 | 46007. | 0. | -45739. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 102. | -785. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -46777.4 | 46777.4 | -0.02 |
| 310 | 45739. | 0. | -45473. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 105. | -784. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -46511.3 | 46511.3 | -0.02 |
| 311 | 45473. | 0. | -45212. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 107. | -783. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -46248.5 | 46248.5 | -0.02 |
| 312 | 45212. | 0. | -44953. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 109. | -782. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -45989.0 | 45989.0 | -0.01 |
| 313 | 44953. | 0. | -44698. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 112. | -781. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -45732.8 | 45732.8 | -0.02 |
| 314 | 44698. | 0. | -44446. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 114. | -780. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -45479.8 | 45479.8 | -0.01 |
| 315 | 44446. | 0. | -44197. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 116. | -780. | -31. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -45230.0 | 45230.0 | -0.02 |
| 316 | 44197. | 0. | -43951. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 119. | -779. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -44983.4 | 44983.3 | -0.02 |
| 317 | 43951. | 0. | -43709. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 121. | -778. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -44739.8 | 44739.8 | -0.01 |
| 318 | 43709. | 0. | -43469. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 123. | -777. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -44499.4 | 44499.4 | -0.01 |
| 319 | 43469. | 0. | -43233. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 125. | -776. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -44262.0 | 44262.0 | -0.02 |
| 320 | 43233. | 0. | -42999. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 127. | -775. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -44027.6 | 44027.6 | -0.02 |
| 321 | 42999. | 0. | -42769. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 129. | -775. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -43796.2 | 43796.2 | -0.01 |
| 322 | 42769. | 0. | -42541. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 132. | -774. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -43567.7 | 43567.7 | -0.02 |
| 323 | 42541. | 0. | -42316. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 134. | -773. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -43342.2 | 43342.2 | -0.02 |
| 324 | 42316. | 0. | -42094. | 4. | 0. | -4. | 0. | 0. | 0. | 0. | 0. | 136. | -772. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -43119.5 | 43119.5 | -0.01 |
| 325 | 42094. | 0. | -41820. | 4. | 0. | -84. | 0. | 0. | 0. | 0. | 0. | 138. | -747. | -30. | 0. | 0. | -219. | 0. | 0. | 0. | 664. | 0. | 0. | -42900.6 | 42900.6 | -0.01 |

DISSOLVED OXYGEN LOADING FOR REACH 2: Fourmile Bayou Oxbow

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR 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 | ALG RESP | ALG PHOT | MAC OUT | TOT IN | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 5170. | 0. | -5202. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 2. | -95. | -6. | 0. | 0. | -63. | 0. | 0. | 0. | 192. | 0. | 0. | -5364.8 | 5364.8 | -0.01 |
| 57 | 5202. | 0. | -5229. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 189. | 0. | 0. | -5392.8 | 5392.8 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 5229. | 0. | -5254. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 185. | 0. | 0. | -5416.7 | 5416.7 | -0.01 |
| 59 | 5254. | 0. | -5274. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 182. | 0. | 0. | -5437.2 | 5437.2 | -0.01 |
| 60 | 5274. | 0. | -5292. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 179. | 0. | 0. | -5454.3 | 5454.3 | -0.01 |
| 61 | 5292. | 0. | -5306. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 175. | 0. | 0. | -5468.0 | 5468.0 | -0.01 |
| 62 | 5306. | 0. | -5316. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 172. | 0. | 0. | -5478.5 | 5478.5 | -0.01 |
| 63 | 5316. | 0. | -5324. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 169. | 0. | 0. | -5485.7 | 5485.7 | -0.01 |
| 64 | 5324. | 0. | -5328. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 165. | 0. | 0. | -5489.6 | 5489.6 | -0.01 |
| 65 | 5328. | 0. | -5329. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 162. | 0. | 0. | -5490.4 | 5490.4 | -0.01 |
| 66 | 5329. | 0. | -5327. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 159. | 0. | 0. | -5488.2 | 5488.2 | -0.01 |
| 67 | 5327. | 0. | -5321. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -62. | 0. | 0. | 0. | 155. | 0. | 0. | -5482.8 | 5482.8 | -0.01 |
| 68 | 5321. | 0. | -5313. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 152. | 0. | 0. | -5474.4 | 5474.4 | -0.01 |
| 69 | 5313. | 0. | -5301. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 149. | 0. | 0. | -5462.9 | 5462.9 | -0.01 |
| 70 | 5301. | 0. | -5287. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 145. | 0. | 0. | -5448.5 | 5448.4 | -0.01 |
| 71 | 5287. | 0. | -5270. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 142. | 0. | 0. | -5431.0 | 5431.0 | -0.01 |
| 72 | 5270. | 0. | -5249. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 139. | 0. | 0. | -5410.7 | 5410.7 | -0.01 |
| 73 | 5249. | 0. | -5226. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 2. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 136. | 0. | 0. | -5387.4 | 5387.4 | -0.01 |
| 74 | 5226. | 0. | -5200. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 2. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 132. | 0. | 0. | -5361.4 | 5361.3 | -0.01 |
| 75 | 5200. | 0. | -5171. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 3. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 129. | 0. | 0. | -5332.4 | 5332.4 | -0.01 |
| 76 | 5171. | 0. | -5140. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 3. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 126. | 0. | 0. | -5300.8 | 5300.8 | -0.01 |
| 77 | 5140. | 0. | -5105. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 3. | -95. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 123. | 0. | 0. | -5266.3 | 5266.3 | -0.01 |
| 78 | 5105. | 0. | -5068. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 4. | -94. | -5. | 0. | 0. | -61. | 0. | 0. | 0. | 119. | 0. | 0. | -5229.2 | 5229.2 | -0.01 |
| 79 | 5068. | 0. | -5029. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 4. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 116. | 0. | 0. | -5189.3 | 5189.3 | -0.01 |
| 80 | 5029. | 0. | -4986. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 5. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 113. | 0. | 0. | -5146.8 | 5146.8 | -0.01 |
| 81 | 4986. | 0. | -4941. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 5. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 110. | 0. | 0. | -5101.7 | 5101.7 | -0.01 |
| 82 | 4941. | 0. | -4894. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 6. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 106. | 0. | 0. | -5054.1 | 5054.0 | 0.00 |
| 83 | 4894. | 0. | -4843. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 6. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 103. | 0. | 0. | -5003.8 | 5003.8 | -0.01 |
| 84 | 4843. | 0. | -4791. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 7. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 100. | 0. | 0. | -4951.1 | 4951.1 | 0.00 |
| 85 | 4791. | 0. | -4736. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 7. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 97. | 0. | 0. | -4895.8 | 4895.8 | -0.01 |
| 86 | 4736. | 0. | -4678. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 8. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 94. | 0. | 0. | -4838.1 | 4838.1 | 0.00 |
| 87 | 4678. | 0. | -4618. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 8. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 90. | 0. | 0. | -4778.0 | 4778.0 | 0.00 |
| 88 | 4618. | 0. | -4555. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 9. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 87. | 0. | 0. | -4715.5 | 4715.5 | 0.00 |
| 89 | 4555. | 0. | -4491. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 10. | -94. | -5. | 0. | 0. | -60. | 0. | 0. | 0. | 84. | 0. | 0. | -4650.6 | 4650.6 | 0.00 |
| 90 | 4491. | 0. | -4423. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 10. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 81. | 0. | 0. | -4583.4 | 4583.4 | 0.00 |
| 91 | 4423. | 0. | -4354. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 11. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 78. | 0. | 0. | -4513.8 | 4513.8 | 0.00 |
| 92 | 4354. | 0. | -4282. | 1. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 12. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 75. | 0. | 0. | -4442.0 | 4442.0 | 0.00 |
| 93 | 4282. | 0. | -4208. | 1. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 13. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 71. | 0. | 0. | -4368.0 | 4368.0 | 0.00 |
| 94 | 4208. | 0. | -4132. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 13. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 68. | 0. | 0. | -4291.7 | 4291.7 | 0.00 |
| 95 | 4132. | 0. | -4054. | 2. | 0. | -2. | 0. | 0. | 0. | 0. | 0. | 14. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 65. | 0. | 0. | -4213.2 | 4213.2 | 0.00 |
| 96 | 4054. | 0. | -3973. | 2. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 15. | -94. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 62. | 0. | 0. | -4132.6 | 4132.6 | 0.00 |
| 97 | 3973. | 0. | -3905. | 1. | 0. | 15. | 0. | 0. | 0. | 0. | 0. | 16. | -96. | -5. | 0. | 0. | -59. | 0. | 0. | 0. | 59. | 0. | 0. | -4065.0 | 4065.0 | 0.00 |

LA-QUAL Model for Lake Verret & Grassy Lake (subsegment 120204)
Calibration Simulation for Lake Verret and Grassy Lake model

INPUT/OUTPUT LOADING SUMMARY

| | FLOW | DO | BOD#1 | BOD#2 | ORG-N | NH3-N | NO3-N | PHOS | CHL A | NCM |
|---|---|---|---|---|---|---|---|---|---|---|
| | m³/s | kg/d | kg/d | kg/d | kg/d | kg/d | kg/d | kg/d | | |
| HEADWATER FLOW | 69.5 | 40308.2 | 119261.5 | 0 | 9683.7 | 600.5 | 240.2 | 0 | 0 | 0 |
| INCREMENTAL INFLOW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INCREMENTAL OUTFLOW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASTELOADS | 30.113 | 19770.3 | 39286.8 | 0 | 6243.7 | 265.1 | 522.3 | 0 | 0 | 0 |
| WITHDRAWLS | -8.8 | -5300.2 | -16150.3 | 0 | -1291.4 | -70.3 | 0 | 0 | 0 | 0 |
| FLOW THRU LOWER BNDRY | -90.813 | -41820.2 | -96007.1 | 0 | -13769.3 | -728.6 | 0 | 0 | 0 | 0 |
| DISPERSION THRU LOWER BNDRY | | -83.7 | -3103 | 0 | -445 | 1.8 | 279 | 0 | 0 | 0 |
| DISPERSION THRU HDWTR BNDRY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NON-POINT INPUT | | 0 | 638416 | 0 | 6464 | | | | | 0 |
| NATURAL REAERATION | | 15931.3 | | | | | | | | |
| DAM REAERATION | | 0 | | | | | | | | |
| BACKGROUND SOD | | -207960.8 | | | | | | | | |
| BOD#1 DECAY | | -681704.4 | -681704.4 | | | | | | | |
| BOD#1 SETTLING | | 0 | 0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0 | | | | | | | |
| BOD#2 DECAY | | 0 | | 0 | | | | | | |
| BOD#2 SETTLING | | 0 | | 0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0 | | | | | | |
| ORG-N DECAY | | 0 | | | -6885.6 | 6885.6 | | | | |
| ORG-N SETTLING | | | | | 0 | 0 | | | | |
| NH3 DECAY | | -30153.5 | | | | -6963.9 | 6963.9 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0 | | |
| ALGAE PHOTOSYNTHESIS | | 890970.2 | | | | 0 | -44548.6 | 0 | 0 | |
| ALGAE RESPIRATION | | 0 | | | | 0 | | 0 | 0 | |
| ALGAE SETTLING | | 0 | | | | | | | 0 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| MACRO PHOTOSYNTHESIS | | 0 | | | | 0 | 0 | 0 | | |
| NCM DECAY | | 0 | | | | | | | | 0 |
| NCM SETTLING | | 0 | | | | | | | | 0 |
| TOTAL INPUTS | 99.613 | 966979.9 | 796964.2 | 0 | 22391.4 | 7753 | 8005.3 | 0 | 0 | 0 |
| TOTAL OUTPUTS | -99.613 | -967022.8 | -796964.7 | 0 | -22391.3 | -7762.7 | -44548.6 | 0 | 0 | 0 |
| NET CONVERGENCE ERROR | 0 | -42.9 | -0.5 | 0 | 0.1 | -9.7 | -36543.3 | 0 | 0 | 0 |

.....EXECUTION COMPLETED

## TMDL output file for subsegment 120604

```
LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is C:\Will\Louisiana\Modeling\GIWW-Black model data\GIWW-Black\Blue\TMDL\Blue_TMDL_will.txt
Output produced at 17:28 on 10/17/2007

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE      CONTROL TITLES

TITLE01        LA-QUAL calibration for Bayou Blue
TITLE02        FTN Field Survey calibration
CNTROL03   NO   SEQU                    <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                    <Warning: legacy control - line ignored>
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE      MODEL OPTION

MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03   NO   CONSERVATIVE MATERIAL
MODOPT04   NO   CONSERVATIVE MATERIAL II
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07  YES   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12   NO   NONC
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE

PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
PROGRAM        MAXIMUM ITERATION LIMIT           =      500.00000
PROGRAM        ALGAE OXYGEN PROD                 =        0.02600 mg O/ug chl a/day
PROGRAM        WIND                              =        1.30000 meters/sec
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$
```

```
 CARD TYPE     RATE CODE     THETA VALUE

THETA       NH3 DECA       1.07000
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   BB  BayouBlue#1                  20.20  TO    3.70   0.1000    16.50     165       1    165
REACH ID     2   IC  ICWWtoBlue                   1.40  TO    0.00   0.1000     1.40      14     166    179
REACH ID     3   BB  BayouBlue#2                   3.70  TO    0.00   0.1000     3.70      37     180    216
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   BB      0.000      0.000     10.000      0.000      0.000      0.500    0.00000   0.000
HYDR-1       2   IC      0.000      0.000     44.000      0.000      0.000      1.400    0.00000   0.000
HYDR-1       3   BB      0.000      0.000     65.500      0.000      0.000      0.900    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  BB     31.20     0.00     3.00     0.10     0.00     0.00    20.00     0.00
INITIAL        2  IC     32.00     0.00     3.00     0.11     0.00     0.00    20.00     0.00
INITIAL        3  BB     32.00     0.00     3.00     0.11     0.00     0.00    20.00     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  BB   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2  IC   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.150    0.000    1.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  BB   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.150    0.000    1.000    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  BB     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        2  IC     0.020    0.000    1.000    0.130    0.000    0.000    0.000
COEFF-2        3  BB     0.020    0.000    1.000    0.130    0.000    0.000    0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE AND MACROPHYTE COEFFICIENTS) $$$

CARD TYPE     REACH  ID     SECCHI   ALGAE:    ALGAE   ALG CONV    ALGAE    ALGAE    MACRO    MACRO
                        DEPTH    CHL A     SETT    TO SOD     GROW     RESP     GROW     RESP   SHADING

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE     REACH  ID   COLIFORM      NCM      NCM   NCM CONV
                        DIE-OFF    DECAY     SETT    TO SOD

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE     REACH  ID     OUTFLOW     INFLOW     TEMP    SALIN     CM-I    CM-II   IN/DIST  OUT/DIST

INCR-1         1  BB     0.00000    0.05000    30.90     0.00     0.00     0.00   0.00303   0.00000
INCR-1         2  IC     0.00000    0.00000    30.90     0.00     0.00     0.00   0.00000   0.00000
```

```
INCR-1        3  BB     0.00000    0.00000    30.90     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  BB      7.78     3.80     1.01     0.09     0.00     0.00
INCR-2        2  IC      7.78     3.80     1.01     0.09     0.00     0.00
INCR-2        3  BB      7.78     3.80     1.01     0.09     0.00     0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

 CARD TYPE     REACH  ID       PHOS     CHL A     COLI      NCM

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE     REACH  ID      BOD#1    ORG-N     COLI      NCM       DO    BOD#2

NONPOINT       1  BB     161.00     0.00     0.00     0.00     0.00     0.00
NONPOINT       2  IC     134.00     0.00     0.00     0.00     0.00     0.00
NONPOINT       3  BB     469.00     0.00     0.00     0.00     0.00     0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$

CARD TYPE    ELEMENT   NAME              UNIT    FLOW    FLOW    TEMP    SALIN     CM-I    CM-II
                                          m³/s     cfs   deg C     ppt

HDWTR-1        1    BayouBlue#1          0  0.39600  13.983  31.20     0.00    0.000    0.000  0.00
HDWTR-1      166    ICWWtoBlue           0  0.39600  13.983  32.00     0.00    0.000    0.000  0.00
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE    ELEMENT   NAME                  DO    BOD#1    ORG-N    NH3-N    NO3-N    BOD#2
                                            mg/L     mg/L     mg/L     mg/L     mg/L     mg/L

HDWTR-2        1    BayouBlue#1            7.78     3.80     1.01     0.09     0.00     0.00
HDWTR-2      166    ICWWtoBlue             7.93     2.56     0.89     0.08     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        180     165      3.70    ICWWtoBlue
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      63      14.00  toICWW             -0.39638  -13.99647   -9.047   31.20     0.00     0.000     0.000
WSTLD-1     103      10.00  LAG531463           0.00010    0.00353    0.002   31.20     0.00     0.000     0.000
WSTLD-1     119       8.40  LA0084077           0.00017    0.00600    0.004   31.20     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        63    toICWW                  0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
WSTLD-2       103    LAG531463                5.00    45.00     0.00     1.40     1.50     0.00     0.00     0.00
WSTLD-2       119    LA0084077                5.00    45.00     0.00     1.40     1.50     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 = 2
NUMBER OF REACHES IN PLOT 1 = 2
PLOT RCH 1 3
NUMBER OF REACHES IN PLOT 2 = 1
PLOT RCH 2
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 BlueTMDL.ovl :BayouBlue (120604)
OVERLAY 2 ICWWtoBlue.ovl :ICWWtoBlue
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 53 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING: NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
.....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12

INTERMEDIATE REPORT
Dissolved Oxygen LA-QUAL calibration for Bayou Blue
mg/L FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 7.73 | 7.68 | 7.64 | 7.59 | 7.55 | 7.51 | 7.48 | 7.44 | 7.41 | 7.38 |
| BB | 1 | 11 | 7.35 | 7.32 | 7.29 | 7.27 | 7.24 | 7.22 | 7.20 | 7.18 | 7.16 | 7.14 |
| BB | 1 | 21 | 7.12 | 7.11 | 7.09 | 7.08 | 7.06 | 7.05 | 7.03 | 7.02 | 7.01 | 7.00 |
| BB | 1 | 31 | 6.99 | 6.98 | 6.97 | 6.96 | 6.95 | 6.94 | 6.93 | 6.93 | 6.92 | 6.91 |
| BB | 1 | 41 | 6.91 | 6.90 | 6.89 | 6.89 | 6.88 | 6.88 | 6.87 | 6.87 | 6.86 | 6.86 |
| BB | 1 | 51 | 6.85 | 6.85 | 6.84 | 6.84 | 6.84 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 |
| BB | 1 | 61 | 6.82 | 6.81 | 6.79 | 6.50 | 6.30 | 6.17 | 6.07 | 6.01 | 5.96 | 5.92 |
| BB | 1 | 71 | 5.88 | 5.86 | 5.84 | 5.82 | 5.81 | 5.79 | 5.78 | 5.77 | 5.76 | 5.75 |
| BB | 1 | 81 | 5.74 | 5.73 | 5.73 | 5.72 | 5.71 | 5.71 | 5.70 | 5.70 | 5.69 | 5.69 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 91 | 5.69 | 5.68 | 5.68 | 5.68 | 5.67 | 5.67 | 5.67 | 5.66 | 5.66 | 5.66 |
| BB | 1 | 101 | 5.66 | 5.66 | 5.65 | 5.64 | 5.64 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| BB | 1 | 111 | 5.63 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.61 | 5.61 |
| BB | 1 | 121 | 5.60 | 5.60 | 5.60 | 5.60 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 |
| BB | 1 | 131 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 |
| BB | 1 | 141 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 |
| BB | 1 | 151 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.58 | 5.58 |
| BB | 1 | 161 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | | | | | |
| BB | 3 | 180 | 6.15 | 6.09 | 6.03 | 5.97 | 5.91 | 5.86 | 5.81 | 5.76 | 5.72 | 5.67 |
| BB | 3 | 190 | 5.63 | 5.59 | 5.56 | 5.52 | 5.49 | 5.46 | 5.43 | 5.40 | 5.37 | 5.35 |
| BB | 3 | 200 | 5.32 | 5.30 | 5.27 | 5.25 | 5.23 | 5.21 | 5.19 | 5.17 | 5.15 | 5.14 |
| BB | 3 | 210 | 5.12 | 5.10 | 5.09 | 5.07 | 5.06 | 5.05 | 5.03 | | | |
| IC | 2 | 166 | 7.76 | 7.60 | 7.45 | 7.31 | 7.18 | 7.06 | 6.94 | 6.83 | 6.73 | 6.64 |
| IC | 2 | 176 | 6.55 | 6.46 | 6.38 | 6.31 | | | | | | |

INTERMEDIATE REPORT
Effective BOD — LA-QUAL calibration for Bayou Blue
mg/L — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 3.81 | 3.83 | 3.84 | 3.86 | 3.87 | 3.89 | 3.90 | 3.91 | 3.93 | 3.94 |
| BB | 1 | 11 | 3.96 | 3.97 | 3.98 | 4.00 | 4.01 | 4.02 | 4.04 | 4.05 | 4.06 | 4.08 |
| BB | 1 | 21 | 4.09 | 4.10 | 4.11 | 4.13 | 4.14 | 4.15 | 4.17 | 4.18 | 4.19 | 4.20 |
| BB | 1 | 31 | 4.22 | 4.23 | 4.24 | 4.25 | 4.26 | 4.28 | 4.29 | 4.30 | 4.31 | 4.32 |
| BB | 1 | 41 | 4.34 | 4.35 | 4.36 | 4.37 | 4.38 | 4.39 | 4.40 | 4.42 | 4.43 | 4.44 |
| BB | 1 | 51 | 4.45 | 4.46 | 4.47 | 4.48 | 4.49 | 4.50 | 4.51 | 4.53 | 4.54 | 4.55 |
| BB | 1 | 61 | 4.56 | 4.57 | 4.58 | 4.79 | 4.98 | 5.15 | 5.30 | 5.44 | 5.57 | 5.68 |
| BB | 1 | 71 | 5.79 | 5.88 | 5.97 | 6.04 | 6.11 | 6.18 | 6.24 | 6.29 | 6.34 | 6.39 |
| BB | 1 | 81 | 6.43 | 6.47 | 6.50 | 6.53 | 6.56 | 6.59 | 6.62 | 6.64 | 6.66 | 6.68 |
| BB | 1 | 91 | 6.70 | 6.72 | 6.73 | 6.75 | 6.76 | 6.77 | 6.78 | 6.79 | 6.80 | 6.81 |
| BB | 1 | 101 | 6.82 | 6.83 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 |
| BB | 1 | 111 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 7.12 | 7.11 |
| BB | 1 | 121 | 7.10 | 7.10 | 7.09 | 7.08 | 7.07 | 7.07 | 7.06 | 7.06 | 7.05 | 7.04 |
| BB | 1 | 131 | 7.04 | 7.03 | 7.03 | 7.02 | 7.02 | 7.01 | 7.01 | 7.01 | 7.00 | 7.00 |
| BB | 1 | 141 | 7.00 | 6.99 | 6.99 | 6.98 | 6.98 | 6.98 | 6.98 | 6.97 | 6.97 | 6.97 |
| BB | 1 | 151 | 6.96 | 6.96 | 6.96 | 6.96 | 6.95 | 6.95 | 6.95 | 6.95 | 6.94 | 6.94 |
| BB | 1 | 161 | 6.94 | 6.94 | 6.94 | 6.93 | 6.93 | | | | | |
| BB | 3 | 180 | 4.63 | 4.77 | 4.90 | 5.03 | 5.15 | 5.27 | 5.39 | 5.50 | 5.60 | 5.70 |
| BB | 3 | 190 | 5.80 | 5.90 | 5.99 | 6.07 | 6.16 | 6.24 | 6.32 | 6.39 | 6.46 | 6.53 |
| BB | 3 | 200 | 6.60 | 6.66 | 6.72 | 6.78 | 6.84 | 6.89 | 6.94 | 7.00 | 7.04 | 7.09 |
| BB | 3 | 210 | 7.14 | 7.18 | 7.22 | 7.26 | 7.30 | 7.33 | 7.37 | | | |
| IC | 2 | 166 | 2.71 | 2.86 | 3.00 | 3.13 | 3.26 | 3.38 | 3.50 | 3.61 | 3.71 | 3.81 |
| IC | 2 | 176 | 3.91 | 4.00 | 4.09 | 4.17 | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand — LA-QUAL calibration for Bayou Blue

mg/L FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 3.81 | 3.83 | 3.84 | 3.86 | 3.87 | 3.89 | 3.90 | 3.91 | 3.93 | 3.94 |
| BB | 1 | 11 | 3.96 | 3.97 | 3.98 | 4.00 | 4.01 | 4.02 | 4.04 | 4.05 | 4.06 | 4.08 |
| BB | 1 | 21 | 4.09 | 4.10 | 4.11 | 4.13 | 4.14 | 4.15 | 4.17 | 4.18 | 4.19 | 4.20 |
| BB | 1 | 31 | 4.22 | 4.23 | 4.24 | 4.25 | 4.26 | 4.28 | 4.29 | 4.30 | 4.31 | 4.32 |
| BB | 1 | 41 | 4.34 | 4.35 | 4.36 | 4.37 | 4.38 | 4.39 | 4.40 | 4.42 | 4.43 | 4.44 |
| BB | 1 | 51 | 4.45 | 4.46 | 4.47 | 4.48 | 4.49 | 4.50 | 4.51 | 4.53 | 4.54 | 4.55 |
| BB | 1 | 61 | 4.56 | 4.57 | 4.58 | 4.79 | 4.98 | 5.15 | 5.30 | 5.44 | 5.57 | 5.68 |
| BB | 1 | 71 | 5.79 | 5.88 | 5.97 | 6.04 | 6.11 | 6.18 | 6.24 | 6.29 | 6.34 | 6.39 |
| BB | 1 | 81 | 6.43 | 6.47 | 6.50 | 6.53 | 6.56 | 6.59 | 6.62 | 6.64 | 6.66 | 6.68 |
| BB | 1 | 91 | 6.70 | 6.72 | 6.73 | 6.75 | 6.76 | 6.77 | 6.78 | 6.79 | 6.80 | 6.81 |
| BB | 1 | 101 | 6.82 | 6.83 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 |
| BB | 1 | 111 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 6.95 | 7.12 | 7.11 |
| BB | 1 | 121 | 7.10 | 7.10 | 7.09 | 7.08 | 7.07 | 7.07 | 7.06 | 7.06 | 7.05 | 7.04 |
| BB | 1 | 131 | 7.04 | 7.03 | 7.03 | 7.02 | 7.02 | 7.01 | 7.01 | 7.01 | 7.00 | 7.00 |
| BB | 1 | 141 | 7.00 | 6.99 | 6.99 | 6.98 | 6.98 | 6.98 | 6.98 | 6.97 | 6.97 | 6.97 |
| BB | 1 | 151 | 6.96 | 6.96 | 6.96 | 6.96 | 6.95 | 6.95 | 6.95 | 6.95 | 6.94 | 6.94 |
| BB | 1 | 161 | 6.94 | 6.94 | 6.94 | 6.93 | 6.93 | | | | | |
| BB | 3 | 180 | 4.63 | 4.77 | 4.90 | 5.03 | 5.15 | 5.27 | 5.39 | 5.50 | 5.60 | 5.70 |
| BB | 3 | 190 | 5.80 | 5.90 | 5.99 | 6.07 | 6.16 | 6.24 | 6.32 | 6.39 | 6.46 | 6.53 |
| BB | 3 | 200 | 6.60 | 6.66 | 6.72 | 6.78 | 6.84 | 6.89 | 6.94 | 7.00 | 7.04 | 7.09 |
| BB | 3 | 210 | 7.14 | 7.18 | 7.22 | 7.26 | 7.30 | 7.33 | 7.37 | | | |
| IC | 2 | 166 | 2.71 | 2.86 | 3.00 | 3.13 | 3.26 | 3.38 | 3.50 | 3.61 | 3.71 | 3.81 |
| IC | 2 | 176 | 3.91 | 4.00 | 4.09 | 4.17 | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen LA-QUAL calibration for Bayou Blue
mg/L FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 |
| BB | 1 | 11 | 1.01 | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| BB | 1 | 21 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| BB | 1 | 31 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| BB | 1 | 41 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| BB | 1 | 51 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| BB | 1 | 61 | 0.99 | 0.99 | 0.99 | 0.98 | 0.97 | 0.97 | 0.96 | 0.95 | 0.95 | 0.94 |
| BB | 1 | 71 | 0.94 | 0.93 | 0.93 | 0.92 | 0.92 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 |
| BB | 1 | 81 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 |
| BB | 1 | 91 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| BB | 1 | 101 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| BB | 1 | 111 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.80 | 0.80 |
| BB | 1 | 121 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 131 | 0.79 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |
| BB | 1 | 141 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| BB | 1 | 151 | 0.77 | 0.77 | 0.77 | 0.77 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| BB | 1 | 161 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | | | | | |
| BB | 3 | 180 | 0.82 | 0.82 | 0.82 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.80 | 0.79 |
| BB | 3 | 190 | 0.79 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.76 |
| BB | 3 | 200 | 0.76 | 0.76 | 0.76 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 0.74 |
| BB | 3 | 210 | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 0.72 | 0.72 | | | |
| IC | 2 | 166 | 0.89 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.85 | 0.85 |
| IC | 2 | 176 | 0.85 | 0.84 | 0.84 | 0.84 | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen — LA-QUAL calibration for Bayou Blue
mg/L — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 11 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 21 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 31 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 41 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 51 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 61 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 71 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 81 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 91 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 1 | 101 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| BB | 1 | 111 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 |
| BB | 1 | 121 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 |
| BB | 1 | 131 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 1 | 141 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 1 | 151 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 1 | 161 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | | | | | |
| BB | 3 | 180 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 3 | 190 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| BB | 3 | 200 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| BB | 3 | 210 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | | | |
| IC | 2 | 166 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| IC | 2 | 176 | 0.08 | 0.08 | 0.08 | 0.08 | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen — LA-QUAL calibration for Bayou Blue
mg/L — FTN Field Survey calibration

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 3 | 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 190 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 200 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 210 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| IC | 2 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT

Total Nitrogen — LA-QUAL calibration for Bayou Blue

mg/L — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| BB | 1 | 11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| BB | 1 | 21 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| BB | 1 | 31 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| BB | 1 | 41 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| BB | 1 | 51 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| BB | 1 | 61 | 1.08 | 1.08 | 1.08 | 1.07 | 1.06 | 1.06 | 1.05 | 1.05 | 1.04 | 1.03 |
| BB | 1 | 71 | 1.03 | 1.02 | 1.02 | 1.01 | 1.01 | 1.00 | 1.00 | 0.99 | 0.99 | 0.98 |
| BB | 1 | 81 | 0.98 | 0.98 | 0.97 | 0.97 | 0.96 | 0.96 | 0.96 | 0.95 | 0.95 | 0.95 |
| BB | 1 | 91 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 |
| BB | 1 | 101 | 0.92 | 0.91 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 |
| BB | 1 | 111 | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| BB | 1 | 121 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 |
| BB | 1 | 131 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| BB | 1 | 141 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| BB | 1 | 151 | 0.85 | 0.85 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| BB | 1 | 161 | 0.84 | 0.84 | 0.84 | 0.83 | 0.83 | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 3 | 180 | 0.90 | 0.90 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 |
| BB | 3 | 190 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.84 | 0.84 |
| BB | 3 | 200 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.82 | 0.81 | 0.81 |
| BB | 3 | 210 | 0.81 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | | | |
| IC | 2 | 166 | 0.97 | 0.96 | 0.96 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.93 | 0.93 |
| IC | 2 | 176 | 0.93 | 0.92 | 0.92 | 0.91 | | | | | | |

INTERMEDIATE REPORT
Chlorophyll a — LA-QUAL calibration for Bayou Blue
µg/L — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 41 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 51 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 61 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 71 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 81 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 91 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 101 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 111 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 121 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 131 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 141 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 151 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 1 | 161 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | | | |
| BB | 3 | 180 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 3 | 190 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 3 | 200 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| BB | 3 | 210 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | |
| IC | 2 | 166 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| IC | 2 | 176 | 20.00 | 20.00 | 20.00 | 20.00 | | | | | | |

INTERMEDIATE REPORT
Temperature — LA-QUAL calibration for Bayou Blue
deg C — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 31.20 | 31.21 | 31.21 | 31.22 | 31.22 | 31.23 | 31.23 | 31.24 | 31.24 | 31.25 |
| BB | 1 | 11 | 31.25 | 31.26 | 31.26 | 31.27 | 31.27 | 31.28 | 31.28 | 31.29 | 31.29 | 31.30 |
| BB | 1 | 21 | 31.30 | 31.31 | 31.31 | 31.32 | 31.32 | 31.33 | 31.33 | 31.34 | 31.34 | 31.35 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 31 | 31.35 | 31.36 | 31.36 | 31.36 | 31.37 | 31.37 | 31.38 | 31.38 | 31.39 | 31.39 |
| BB | 1 | 41 | 31.40 | 31.40 | 31.41 | 31.41 | 31.42 | 31.42 | 31.43 | 31.43 | 31.44 | 31.44 |
| BB | 1 | 51 | 31.45 | 31.45 | 31.46 | 31.46 | 31.47 | 31.47 | 31.48 | 31.48 | 31.49 | 31.49 |
| BB | 1 | 61 | 31.50 | 31.50 | 31.51 | 31.51 | 31.52 | 31.52 | 31.52 | 31.53 | 31.53 | 31.54 |
| BB | 1 | 71 | 31.54 | 31.55 | 31.55 | 31.56 | 31.56 | 31.57 | 31.57 | 31.58 | 31.58 | 31.59 |
| BB | 1 | 81 | 31.59 | 31.60 | 31.60 | 31.61 | 31.61 | 31.62 | 31.62 | 31.63 | 31.63 | 31.64 |
| BB | 1 | 91 | 31.64 | 31.65 | 31.65 | 31.66 | 31.66 | 31.67 | 31.67 | 31.68 | 31.68 | 31.68 |
| BB | 1 | 101 | 31.69 | 31.69 | 31.70 | 31.70 | 31.71 | 31.71 | 31.72 | 31.72 | 31.73 | 31.73 |
| BB | 1 | 111 | 31.74 | 31.74 | 31.75 | 31.75 | 31.76 | 31.76 | 31.77 | 31.77 | 31.78 | 31.78 |
| BB | 1 | 121 | 31.79 | 31.79 | 31.80 | 31.80 | 31.81 | 31.81 | 31.82 | 31.82 | 31.83 | 31.83 |
| BB | 1 | 131 | 31.84 | 31.84 | 31.84 | 31.85 | 31.85 | 31.86 | 31.86 | 31.87 | 31.87 | 31.88 |
| BB | 1 | 141 | 31.88 | 31.89 | 31.89 | 31.90 | 31.90 | 31.91 | 31.91 | 31.92 | 31.92 | 31.93 |
| BB | 1 | 151 | 31.93 | 31.94 | 31.94 | 31.95 | 31.95 | 31.96 | 31.96 | 31.97 | 31.97 | 31.98 |
| BB | 1 | 161 | 31.98 | 31.99 | 31.99 | 32.00 | 32.00 | | | | | |
| BB | 3 | 180 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 3 | 190 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 3 | 200 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| BB | 3 | 210 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | | | |
| IC | 2 | 166 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 |
| IC | 2 | 176 | 32.00 | 32.00 | 32.00 | 32.00 | | | | | | |

INTERMEDIATE REPORT
Salinity — LA-QUAL calibration for Bayou Blue
ppt — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 3 | 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 190 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 200 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 210 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IC | 2 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
River Distance — LA-QUAL calibration for Bayou Blue
km — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 20. | 20. | 20. | 20. | 20. | 20. | 19. | 19. | 19. | 19. |
| BB | 1 | 11 | 19. | 19. | 19. | 19. | 19. | 19. | 18. | 18. | 18. | 18. |
| BB | 1 | 21 | 18. | 18. | 18. | 18. | 18. | 18. | 17. | 17. | 17. | 17. |
| BB | 1 | 31 | 17. | 17. | 17. | 17. | 17. | 17. | 16. | 16. | 16. | 16. |
| BB | 1 | 41 | 16. | 16. | 16. | 16. | 16. | 16. | 15. | 15. | 15. | 15. |
| BB | 1 | 51 | 15. | 15. | 15. | 15. | 15. | 15. | 14. | 14. | 14. | 14. |
| BB | 1 | 61 | 14. | 14. | 14. | 14. | 14. | 14. | 13. | 13. | 13. | 13. |
| BB | 1 | 71 | 13. | 13. | 13. | 13. | 13. | 13. | 12. | 12. | 12. | 12. |
| BB | 1 | 81 | 12. | 12. | 12. | 12. | 12. | 12. | 11. | 11. | 11. | 11. |
| BB | 1 | 91 | 11. | 11. | 11. | 11. | 11. | 11. | 10. | 10. | 10. | 10. |
| BB | 1 | 101 | 10. | 10. | 10. | 10. | 10. | 10. | 9. | 9. | 9. | 9. |
| BB | 1 | 111 | 9. | 9. | 9. | 9. | 9. | 9. | 8. | 8. | 8. | 8. |
| BB | 1 | 121 | 8. | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. |
| BB | 1 | 131 | 7. | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. |
| BB | 1 | 141 | 6. | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. |
| BB | 1 | 151 | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. |
| BB | 1 | 161 | 4. | 4. | 4. | 4. | 4. | | | | | |
| BB | 3 | 180 | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| BB | 3 | 190 | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| BB | 3 | 200 | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| BB | 3 | 210 | 1. | 1. | 0. | 0. | 0. | 0. | 0. | | | |
| IC | 2 | 166 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. | 0. |
| IC | 2 | 176 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Flow — LA-QUAL calibration for Bayou Blue
$m^3/s$ — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 11 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 21 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 31 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 41 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 51 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 1 | 61 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 131 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 141 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 161 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 3 | 180 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 3 | 190 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 3 | 200 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BB | 3 | 210 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | | | |
| IC | 2 | 166 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| IC | 2 | 176 | 0.4 | 0.4 | 0.4 | 0.4 | | | | | | |

INTERMEDIATE REPORT
Dispersion
$m^2/s$

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 131 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 141 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 161 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 3 | 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 190 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 210 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| IC | 2 | 166 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 176 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 11 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 21 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 31 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 41 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 51 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| BB | 1 | 61 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 121 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 131 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 141 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 1 | 161 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| BB | 3 | 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 190 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BB | 3 | 210 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| IC | 2 | 166 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IC | 2 | 176 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Depth
m

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 11 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 21 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 31 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 41 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 51 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 61 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 71 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 81 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 91 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 101 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 111 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 121 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 131 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 141 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 151 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| BB | 1 | 161 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | |
| BB | 3 | 180 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| BB | 3 | 190 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| BB | 3 | 200 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| BB | 3 | 210 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | |
| IC | 2 | 166 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| IC | 2 | 176 | 1.4 | 1.4 | 1.4 | 1.4 | | | | | | |

INTERMEDIATE REPORT
Width — LA-QUAL calibration for Bayou Blue
m — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 11 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 21 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 31 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 41 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 51 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 61 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 71 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 81 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 91 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 101 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 111 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 121 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 131 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 141 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 151 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| BB | 1 | 161 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | | | | | |
| BB | 3 | 180 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| BB | 3 | 190 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| BB | 3 | 200 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| BB | 3 | 210 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | | | |
| IC | 2 | 166 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| IC | 2 | 176 | 44.0 | 44.0 | 44.0 | 44.0 | | | | | | |

INTERMEDIATE REPORT
Cross-Sectional Area — LA-QUAL calibration for Bayou Blue
$m^2$ — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 11 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 21 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 31 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 41 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 51 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 61 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 71 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 81 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 91 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 101 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 111 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 121 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 131 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 141 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 151 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| BB | 1 | 161 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | | | | |
| BB | 3 | 180 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| BB | 3 | 190 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| BB | 3 | 200 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| BB | 3 | 210 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | | | |
| IC | 2 | 166 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| IC | 2 | 176 | 61.6 | 61.6 | 61.6 | 61.6 | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 3.845 | 3.847 | 3.849 | 3.850 | 3.852 | 3.854 | 3.856 | 3.857 | 3.859 | 3.861 |
| BB | 1 | 11 | 3.863 | 3.865 | 3.866 | 3.868 | 3.870 | 3.872 | 3.873 | 3.875 | 3.877 | 3.879 |
| BB | 1 | 21 | 3.881 | 3.882 | 3.884 | 3.886 | 3.888 | 3.889 | 3.891 | 3.893 | 3.895 | 3.897 |
| BB | 1 | 31 | 3.898 | 3.900 | 3.902 | 3.904 | 3.906 | 3.907 | 3.909 | 3.911 | 3.913 | 3.914 |
| BB | 1 | 41 | 3.916 | 3.918 | 3.920 | 3.922 | 3.923 | 3.925 | 3.927 | 3.929 | 3.930 | 3.932 |
| BB | 1 | 51 | 3.934 | 3.936 | 3.937 | 3.939 | 3.941 | 3.943 | 3.945 | 3.946 | 3.948 | 3.950 |
| BB | 1 | 61 | 3.952 | 3.953 | 1.728 | 1.728 | 1.728 | 1.728 | 1.729 | 1.729 | 1.729 | 1.729 |
| BB | 1 | 71 | 1.729 | 1.729 | 1.729 | 1.730 | 1.730 | 1.730 | 1.730 | 1.730 | 1.730 | 1.730 |
| BB | 1 | 81 | 1.731 | 1.731 | 1.731 | 1.731 | 1.731 | 1.731 | 1.731 | 1.732 | 1.732 | 1.732 |
| BB | 1 | 91 | 1.732 | 1.732 | 1.732 | 1.732 | 1.733 | 1.733 | 1.733 | 1.733 | 1.733 | 1.733 |
| BB | 1 | 101 | 1.733 | 1.734 | 1.734 | 1.734 | 1.734 | 1.734 | 1.734 | 1.734 | 1.735 | 1.735 |
| BB | 1 | 111 | 1.735 | 1.735 | 1.735 | 1.735 | 1.735 | 1.736 | 1.736 | 1.736 | 1.736 | 1.736 |
| BB | 1 | 121 | 1.736 | 1.736 | 1.737 | 1.737 | 1.737 | 1.737 | 1.737 | 1.737 | 1.737 | 1.738 |
| BB | 1 | 131 | 1.738 | 1.738 | 1.738 | 1.738 | 1.738 | 1.738 | 1.739 | 1.739 | 1.739 | 1.739 |
| BB | 1 | 141 | 1.739 | 1.739 | 1.739 | 1.740 | 1.740 | 1.740 | 1.740 | 1.740 | 1.740 | 1.740 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 151 | 1.741 | 1.741 | 1.741 | 1.741 | 1.741 | 1.741 | 1.741 | 1.742 | 1.742 | 1.742 |
| BB | 1 | 161 | 1.742 | 1.742 | 1.742 | 1.742 | 1.743 | | | | | |
| BB | 3 | 180 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 |
| BB | 3 | 190 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 |
| BB | 3 | 200 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 |
| BB | 3 | 210 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | 0.968 | | | |
| IC | 2 | 166 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 | 0.622 |
| IC | 2 | 176 | 0.622 | 0.622 | 0.622 | 0.622 | | | | | | |

INTERMEDIATE REPORT
BOD Decay Rate
per day

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 11 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 21 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 31 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 41 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 51 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 61 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| BB | 1 | 71 | 0.25 | 0.25 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 81 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 91 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 101 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 111 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 121 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 131 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 141 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 151 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 1 | 161 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | | | | |
| BB | 3 | 180 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 3 | 190 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 3 | 200 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| BB | 3 | 210 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | | | |
| IC | 2 | 166 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| IC | 2 | 176 | 0.26 | 0.26 | 0.26 | 0.26 | | | | | | |

INTERMEDIATE REPORT
BOD Settling Rate
per day

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 1 | 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| BB | 3 | 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 190 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 200 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BB | 3 | 210 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| IC | 2 | 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IC | 2 | 176 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
Ammonia Decay Rate
per day

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 11 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 21 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 31 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 41 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 51 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 61 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 71 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 81 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 91 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 101 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 111 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 121 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 131 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 141 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 151 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 1 | 161 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | | | | | |
| BB | 3 | 180 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 3 | 190 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 3 | 200 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| BB | 3 | 210 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | | | |
| IC | 2 | 166 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| IC | 2 | 176 | 0.28 | 0.28 | 0.28 | 0.28 | | | | | | |

INTERMEDIATE REPORT

Sediment Oxygen Demand — LA-QUAL calibration for Bayou Blue

g/m²/d — FTN Field Survey calibration

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB | 1 | 1 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.02 | 1.02 |
| BB | 1 | 11 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| BB | 1 | 21 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| BB | 1 | 31 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| BB | 1 | 41 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| BB | 1 | 51 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| BB | 1 | 61 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| BB | 1 | 71 | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| BB | 1 | 81 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| BB | 1 | 91 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| BB | 1 | 101 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| BB | 1 | 111 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| BB | 1 | 121 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| BB | 1 | 131 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 1 | 141 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 1 | 151 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 1 | 161 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | | | | | |
| BB | 3 | 180 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 3 | 190 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 3 | 200 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| BB | 3 | 210 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | | | |
| IC | 2 | 166 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| IC | 2 | 176 | 1.06 | 1.06 | 1.06 | 1.06 | | | | | | |

CONDENSED CAPSULE SUMMARY FOR BayouBlue#1

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | NH3 | CHLA | RATE | DECA | SETT DECA | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.39600 | 31.20 | 0.00 | 7.78 | 3.80 | 0.00 | 1.01 | 0.09 | 20.00 | | | | | |
| 20.10 | 0.39630 | 31.20 | 0.00 | 7.73 | 3.81 | 0.00 | 1.01 | 0.09 | 20.00 | 3.84 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 20.00 | 0.39661 | 31.21 | 0.00 | 7.68 | 3.83 | 0.00 | 1.01 | 0.09 | 20.00 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.90 | 0.39691 | 31.21 | 0.00 | 7.64 | 3.84 | 0.00 | 1.01 | 0.09 | 20.00 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.80 | 0.39721 | 31.22 | 0.00 | 7.59 | 3.86 | 0.00 | 1.01 | 0.09 | 20.00 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.70 | 0.39752 | 31.22 | 0.00 | 7.55 | 3.87 | 0.00 | 1.01 | 0.09 | 20.00 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.60 | 0.39782 | 31.23 | 0.00 | 7.51 | 3.89 | 0.00 | 1.01 | 0.09 | 20.00 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.50 | 0.39812 | 31.23 | 0.00 | 7.48 | 3.90 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.40 | 0.39842 | 31.24 | 0.00 | 7.44 | 3.91 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 19.30 | 0.39873 | 31.24 | 0.00 | 7.41 | 3.93 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 19.20 | 0.39903 | 31.25 | 0.00 | 7.38 | 3.94 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 19.10 | 0.39933 | 31.25 | 0.00 | 7.35 | 3.96 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 19.00 | 0.39964 | 31.26 | 0.00 | 7.32 | 3.97 | 0.00 | 1.01 | 0.09 | 20.00 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.90 | 0.39994 | 31.26 | 0.00 | 7.29 | 3.98 | 0.00 | 1.01 | 0.09 | 20.00 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.80 | 0.40024 | 31.27 | 0.00 | 7.27 | 4.00 | 0.00 | 1.00 | 0.09 | 20.00 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.70 | 0.40055 | 31.27 | 0.00 | 7.24 | 4.01 | 0.00 | 1.00 | 0.09 | 20.00 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.60 | 0.40085 | 31.28 | 0.00 | 7.22 | 4.02 | 0.00 | 1.00 | 0.09 | 20.00 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.50 | 0.40115 | 31.28 | 0.00 | 7.20 | 4.04 | 0.00 | 1.00 | 0.09 | 20.00 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.40 | 0.40145 | 31.29 | 0.00 | 7.18 | 4.05 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.30 | 0.40176 | 31.29 | 0.00 | 7.16 | 4.06 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.20 | 0.40206 | 31.30 | 0.00 | 7.14 | 4.08 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.10 | 0.40236 | 31.30 | 0.00 | 7.12 | 4.09 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18.00 | 0.40267 | 31.31 | 0.00 | 7.11 | 4.10 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.90 | 0.40297 | 31.31 | 0.00 | 7.09 | 4.11 | 0.00 | 1.00 | 0.09 | 20.00 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.80 | 0.40327 | 31.32 | 0.00 | 7.08 | 4.13 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.70 | 0.40358 | 31.32 | 0.00 | 7.06 | 4.14 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.60 | 0.40388 | 31.33 | 0.00 | 7.05 | 4.15 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.50 | 0.40418 | 31.33 | 0.00 | 7.03 | 4.17 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.40 | 0.40448 | 31.34 | 0.00 | 7.02 | 4.18 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.30 | 0.40479 | 31.34 | 0.00 | 7.01 | 4.19 | 0.00 | 1.00 | 0.09 | 20.00 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.20 | 0.40509 | 31.35 | 0.00 | 7.00 | 4.20 | 0.00 | 1.00 | 0.09 | 20.00 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.10 | 0.40539 | 31.35 | 0.00 | 6.99 | 4.22 | 0.00 | 1.00 | 0.09 | 20.00 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17.00 | 0.40570 | 31.36 | 0.00 | 6.98 | 4.23 | 0.00 | 1.00 | 0.09 | 20.00 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.90 | 0.40600 | 31.36 | 0.00 | 6.97 | 4.24 | 0.00 | 1.00 | 0.09 | 20.00 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.80 | 0.40630 | 31.36 | 0.00 | 6.96 | 4.25 | 0.00 | 1.00 | 0.09 | 20.00 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.70 | 0.40661 | 31.37 | 0.00 | 6.95 | 4.26 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.60 | 0.40691 | 31.37 | 0.00 | 6.94 | 4.28 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.50 | 0.40721 | 31.38 | 0.00 | 6.93 | 4.29 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.40 | 0.40752 | 31.38 | 0.00 | 6.93 | 4.30 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.30 | 0.40782 | 31.39 | 0.00 | 6.92 | 4.31 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.20 | 0.40812 | 31.39 | 0.00 | 6.91 | 4.32 | 0.00 | 1.00 | 0.09 | 20.00 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.10 | 0.40842 | 31.40 | 0.00 | 6.91 | 4.34 | 0.00 | 1.00 | 0.09 | 20.00 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16.00 | 0.40873 | 31.40 | 0.00 | 6.90 | 4.35 | 0.00 | 1.00 | 0.09 | 20.00 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.90 | 0.40903 | 31.41 | 0.00 | 6.89 | 4.36 | 0.00 | 0.99 | 0.09 | 20.00 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.80 | 0.40933 | 31.41 | 0.00 | 6.89 | 4.37 | 0.00 | 0.99 | 0.09 | 20.00 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.70 | 0.40964 | 31.42 | 0.00 | 6.88 | 4.38 | 0.00 | 0.99 | 0.09 | 20.00 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.60 | 0.40994 | 31.42 | 0.00 | 6.88 | 4.39 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.50 | 0.41024 | 31.43 | 0.00 | 6.87 | 4.40 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.40 | 0.41055 | 31.43 | 0.00 | 6.87 | 4.42 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.30 | 0.41085 | 31.44 | 0.00 | 6.86 | 4.43 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.20 | 0.41115 | 31.44 | 0.00 | 6.86 | 4.44 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.10 | 0.41145 | 31.45 | 0.00 | 6.85 | 4.45 | 0.00 | 0.99 | 0.09 | 20.00 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 15.00 | 0.41176 | 31.45 | 0.00 | 6.85 | 4.46 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.90 | 0.41206 | 31.46 | 0.00 | 6.84 | 4.47 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.80 | 0.41236 | 31.46 | 0.00 | 6.84 | 4.48 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.70 | 0.41267 | 31.47 | 0.00 | 6.84 | 4.49 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.60 | 0.41297 | 31.47 | 0.00 | 6.83 | 4.50 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.50 | 0.41327 | 31.48 | 0.00 | 6.83 | 4.51 | 0.00 | 0.99 | 0.09 | 20.00 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.40 | 0.41358 | 31.48 | 0.00 | 6.83 | 4.53 | 0.00 | 0.99 | 0.09 | 20.00 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.30 | 0.41388 | 31.49 | 0.00 | 6.82 | 4.54 | 0.00 | 0.99 | 0.09 | 20.00 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.20 | 0.41418 | 31.49 | 0.00 | 6.82 | 4.55 | 0.00 | 0.99 | 0.09 | 20.00 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.10 | 0.41448 | 31.50 | 0.00 | 6.82 | 4.56 | 0.00 | 0.99 | 0.09 | 20.00 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 14.00 | 0.41479 | 31.50 | 0.00 | 6.81 | 4.57 | 0.00 | 0.99 | 0.09 | 20.00 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.90 | 0.01871 | 31.51 | 0.00 | 6.79 | 4.58 | 0.00 | 0.99 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.80 | 0.01901 | 31.51 | 0.00 | 6.50 | 4.79 | 0.00 | 0.98 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.70 | 0.01932 | 31.52 | 0.00 | 6.30 | 4.98 | 0.00 | 0.97 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.60 | 0.01962 | 31.52 | 0.00 | 6.17 | 5.15 | 0.00 | 0.97 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.50 | 0.01992 | 31.52 | 0.00 | 6.07 | 5.30 | 0.00 | 0.96 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.40 | 0.02023 | 31.53 | 0.00 | 6.01 | 5.44 | 0.00 | 0.95 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.30 | 0.02053 | 31.53 | 0.00 | 5.96 | 5.57 | 0.00 | 0.95 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.20 | 0.02083 | 31.54 | 0.00 | 5.92 | 5.68 | 0.00 | 0.94 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.10 | 0.02114 | 31.54 | 0.00 | 5.88 | 5.79 | 0.00 | 0.94 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 13.00 | 0.02144 | 31.55 | 0.00 | 5.86 | 5.88 | 0.00 | 0.93 | 0.09 | 20.00 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 12.90 | 0.02174 | 31.55 | 0.00 | 5.84 | 5.97 | 0.00 | 0.93 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.80 | 0.02204 | 31.56 | 0.00 | 5.82 | 6.04 | 0.00 | 0.92 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.70 | 0.02235 | 31.56 | 0.00 | 5.81 | 6.11 | 0.00 | 0.92 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.60 | 0.02265 | 31.57 | 0.00 | 5.79 | 6.18 | 0.00 | 0.91 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.50 | 0.02295 | 31.57 | 0.00 | 5.78 | 6.24 | 0.00 | 0.91 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.40 | 0.02326 | 31.58 | 0.00 | 5.77 | 6.29 | 0.00 | 0.90 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.30 | 0.02356 | 31.58 | 0.00 | 5.76 | 6.34 | 0.00 | 0.90 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.20 | 0.02386 | 31.59 | 0.00 | 5.75 | 6.39 | 0.00 | 0.90 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.10 | 0.02417 | 31.59 | 0.00 | 5.74 | 6.43 | 0.00 | 0.89 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 12.00 | 0.02447 | 31.60 | 0.00 | 5.73 | 6.47 | 0.00 | 0.89 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.90 | 0.02477 | 31.60 | 0.00 | 5.73 | 6.50 | 0.00 | 0.88 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.80 | 0.02507 | 31.61 | 0.00 | 5.72 | 6.53 | 0.00 | 0.88 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.70 | 0.02538 | 31.61 | 0.00 | 5.71 | 6.56 | 0.00 | 0.88 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.60 | 0.02568 | 31.62 | 0.00 | 5.71 | 6.59 | 0.00 | 0.87 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.50 | 0.02598 | 31.62 | 0.00 | 5.70 | 6.62 | 0.00 | 0.87 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.40 | 0.02629 | 31.63 | 0.00 | 5.70 | 6.64 | 0.00 | 0.87 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.30 | 0.02659 | 31.63 | 0.00 | 5.69 | 6.66 | 0.00 | 0.86 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.20 | 0.02689 | 31.64 | 0.00 | 5.69 | 6.68 | 0.00 | 0.86 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.10 | 0.02720 | 31.64 | 0.00 | 5.69 | 6.70 | 0.00 | 0.86 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 11.00 | 0.02750 | 31.65 | 0.00 | 5.68 | 6.72 | 0.00 | 0.86 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.90 | 0.02780 | 31.65 | 0.00 | 5.68 | 6.73 | 0.00 | 0.85 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.80 | 0.02810 | 31.66 | 0.00 | 5.68 | 6.75 | 0.00 | 0.85 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.70 | 0.02841 | 31.66 | 0.00 | 5.67 | 6.76 | 0.00 | 0.85 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.60 | 0.02871 | 31.67 | 0.00 | 5.67 | 6.77 | 0.00 | 0.84 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.50 | 0.02901 | 31.67 | 0.00 | 5.67 | 6.78 | 0.00 | 0.84 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.40 | 0.02932 | 31.68 | 0.00 | 5.66 | 6.79 | 0.00 | 0.84 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.30 | 0.02962 | 31.68 | 0.00 | 5.66 | 6.80 | 0.00 | 0.84 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.20 | 0.02992 | 31.68 | 0.00 | 5.66 | 6.81 | 0.00 | 0.84 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.10 | 0.03023 | 31.69 | 0.00 | 5.66 | 6.82 | 0.00 | 0.83 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 10.00 | 0.03053 | 31.69 | 0.00 | 5.66 | 6.83 | 0.00 | 0.83 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 9.90 | 0.03093 | 31.70 | 0.00 | 5.65 | 6.95 | 0.00 | 0.83 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 9.80 | 0.03124 | 31.70 | 0.00 | 5.64 | 6.95 | 0.00 | 0.83 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 9.70 | 0.03154 | 31.71 | 0.00 | 5.64 | 6.95 | 0.00 | 0.83 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.60 | 0.03184 | 31.71 | 0.00 | 5.63 | 6.95 | 0.00 | 0.82 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.50 | 0.03214 | 31.72 | 0.00 | 5.63 | 6.95 | 0.00 | 0.82 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.40 | 0.03245 | 31.72 | 0.00 | 5.63 | 6.95 | 0.00 | 0.82 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.30 | 0.03275 | 31.73 | 0.00 | 5.63 | 6.95 | 0.00 | 0.82 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.20 | 0.03305 | 31.73 | 0.00 | 5.63 | 6.95 | 0.00 | 0.82 | 0.09 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.10 | 0.03336 | 31.74 | 0.00 | 5.63 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 9.00 | 0.03366 | 31.74 | 0.00 | 5.62 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.90 | 0.03396 | 31.75 | 0.00 | 5.62 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.80 | 0.03427 | 31.75 | 0.00 | 5.62 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.70 | 0.03457 | 31.76 | 0.00 | 5.62 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.60 | 0.03487 | 31.76 | 0.00 | 5.62 | 6.95 | 0.00 | 0.81 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.50 | 0.03517 | 31.77 | 0.00 | 5.62 | 6.95 | 0.00 | 0.80 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.40 | 0.03548 | 31.77 | 0.00 | 5.62 | 6.95 | 0.00 | 0.80 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.30 | 0.03595 | 31.78 | 0.00 | 5.61 | 7.12 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.20 | 0.03625 | 31.78 | 0.00 | 5.61 | 7.11 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.10 | 0.03656 | 31.79 | 0.00 | 5.60 | 7.10 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 8.00 | 0.03686 | 31.79 | 0.00 | 5.60 | 7.10 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.90 | 0.03716 | 31.80 | 0.00 | 5.60 | 7.09 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.80 | 0.03747 | 31.80 | 0.00 | 5.60 | 7.08 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.70 | 0.03777 | 31.81 | 0.00 | 5.59 | 7.07 | 0.00 | 0.80 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.60 | 0.03807 | 31.81 | 0.00 | 5.59 | 7.07 | 0.00 | 0.79 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.50 | 0.03837 | 31.82 | 0.00 | 5.59 | 7.06 | 0.00 | 0.79 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.40 | 0.03868 | 31.82 | 0.00 | 5.59 | 7.06 | 0.00 | 0.79 | 0.09 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.30 | 0.03898 | 31.83 | 0.00 | 5.59 | 7.05 | 0.00 | 0.79 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.20 | 0.03928 | 31.83 | 0.00 | 5.59 | 7.04 | 0.00 | 0.79 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.10 | 0.03959 | 31.84 | 0.00 | 5.59 | 7.04 | 0.00 | 0.79 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 7.00 | 0.03989 | 31.84 | 0.00 | 5.59 | 7.03 | 0.00 | 0.79 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 6.90 | 0.04019 | 31.84 | 0.00 | 5.59 | 7.03 | 0.00 | 0.79 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 6.80 | 0.04050 | 31.85 | 0.00 | 5.59 | 7.02 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 6.70 | 0.04080 | 31.85 | 0.00 | 5.59 | 7.02 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 6.60 | 0.04110 | 31.86 | 0.00 | 5.59 | 7.01 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.50 | 0.04141 | 31.86 | 0.00 | 5.59 | 7.01 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.40 | 0.04171 | 31.87 | 0.00 | 5.59 | 7.01 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.30 | 0.04201 | 31.87 | 0.00 | 5.59 | 7.00 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.20 | 0.04231 | 31.88 | 0.00 | 5.59 | 7.00 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.10 | 0.04262 | 31.88 | 0.00 | 5.59 | 7.00 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 6.00 | 0.04292 | 31.89 | 0.00 | 5.59 | 6.99 | 0.00 | 0.78 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.90 | 0.04322 | 31.89 | 0.00 | 5.59 | 6.99 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.80 | 0.04353 | 31.90 | 0.00 | 5.59 | 6.98 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.70 | 0.04383 | 31.90 | 0.00 | 5.59 | 6.98 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.60 | 0.04413 | 31.91 | 0.00 | 5.59 | 6.98 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.50 | 0.04444 | 31.91 | 0.00 | 5.59 | 6.98 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.40 | 0.04474 | 31.92 | 0.00 | 5.59 | 6.97 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.30 | 0.04504 | 31.92 | 0.00 | 5.59 | 6.97 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.20 | 0.04534 | 31.93 | 0.00 | 5.59 | 6.97 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.10 | 0.04565 | 31.93 | 0.00 | 5.59 | 6.96 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 5.00 | 0.04595 | 31.94 | 0.00 | 5.59 | 6.96 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.90 | 0.04625 | 31.94 | 0.00 | 5.59 | 6.96 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.80 | 0.04656 | 31.95 | 0.00 | 5.59 | 6.96 | 0.00 | 0.77 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.70 | 0.04686 | 31.95 | 0.00 | 5.59 | 6.95 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.60 | 0.04716 | 31.96 | 0.00 | 5.59 | 6.95 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.50 | 0.04747 | 31.96 | 0.00 | 5.59 | 6.95 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.40 | 0.04777 | 31.97 | 0.00 | 5.59 | 6.95 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.30 | 0.04807 | 31.97 | 0.00 | 5.58 | 6.94 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.20 | 0.04837 | 31.98 | 0.00 | 5.58 | 6.94 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.10 | 0.04868 | 31.98 | 0.00 | 5.58 | 6.94 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 4.00 | 0.04898 | 31.99 | 0.00 | 5.58 | 6.94 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.90 | 0.04928 | 31.99 | 0.00 | 5.58 | 6.94 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.80 | 0.04959 | 32.00 | 0.00 | 5.58 | 6.93 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.70 | 0.04989 | 32.00 | 0.00 | 5.58 | 6.93 | 0.00 | 0.76 | 0.08 | 20.00 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.60 | 0.44589 | 32.00 | 0.00 | 6.15 | 4.63 | 0.00 | 0.82 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 3.50 | 0.44589 | 32.00 | 0.00 | 6.09 | 4.77 | 0.00 | 0.82 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 3.40 | 0.44589 | 32.00 | 0.00 | 6.03 | 4.90 | 0.00 | 0.82 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 3.30 | 0.44589 | 32.00 | 0.00 | 5.97 | 5.03 | 0.00 | 0.81 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.20 | 0.44589 | 32.00 | 0.00 | 5.91 | 5.15 | 0.00 | 0.81 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.10 | 0.44589 | 32.00 | 0.00 | 5.86 | 5.27 | 0.00 | 0.81 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 3.00 | 0.44589 | 32.00 | 0.00 | 5.81 | 5.39 | 0.00 | 0.80 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.90 | 0.44589 | 32.00 | 0.00 | 5.76 | 5.50 | 0.00 | 0.80 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.80 | 0.44589 | 32.00 | 0.00 | 5.72 | 5.60 | 0.00 | 0.80 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.70 | 0.44589 | 32.00 | 0.00 | 5.67 | 5.70 | 0.00 | 0.79 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.60 | 0.44589 | 32.00 | 0.00 | 5.63 | 5.80 | 0.00 | 0.79 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.50 | 0.44589 | 32.00 | 0.00 | 5.59 | 5.90 | 0.00 | 0.79 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.40 | 0.44589 | 32.00 | 0.00 | 5.56 | 5.99 | 0.00 | 0.79 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.30 | 0.44589 | 32.00 | 0.00 | 5.52 | 6.07 | 0.00 | 0.78 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.20 | 0.44589 | 32.00 | 0.00 | 5.49 | 6.16 | 0.00 | 0.78 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.10 | 0.44589 | 32.00 | 0.00 | 5.46 | 6.24 | 0.00 | 0.78 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 2.00 | 0.44589 | 32.00 | 0.00 | 5.43 | 6.32 | 0.00 | 0.77 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.90 | 0.44589 | 32.00 | 0.00 | 5.40 | 6.39 | 0.00 | 0.77 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.80 | 0.44589 | 32.00 | 0.00 | 5.37 | 6.46 | 0.00 | 0.77 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.70 | 0.44589 | 32.00 | 0.00 | 5.35 | 6.53 | 0.00 | 0.76 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.60 | 0.44589 | 32.00 | 0.00 | 5.32 | 6.60 | 0.00 | 0.76 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.50 | 0.44589 | 32.00 | 0.00 | 5.30 | 6.66 | 0.00 | 0.76 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.40 | 0.44589 | 32.00 | 0.00 | 5.27 | 6.72 | 0.00 | 0.76 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.30 | 0.44589 | 32.00 | 0.00 | 5.25 | 6.78 | 0.00 | 0.75 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.20 | 0.44589 | 32.00 | 0.00 | 5.23 | 6.84 | 0.00 | 0.75 | 0.08 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.10 | 0.44589 | 32.00 | 0.00 | 5.21 | 6.89 | 0.00 | 0.75 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 1.00 | 0.44589 | 32.00 | 0.00 | 5.19 | 6.94 | 0.00 | 0.74 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.90 | 0.44589 | 32.00 | 0.00 | 5.17 | 7.00 | 0.00 | 0.74 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.80 | 0.44589 | 32.00 | 0.00 | 5.15 | 7.04 | 0.00 | 0.74 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.70 | 0.44589 | 32.00 | 0.00 | 5.14 | 7.09 | 0.00 | 0.74 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.60 | 0.44589 | 32.00 | 0.00 | 5.12 | 7.14 | 0.00 | 0.73 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.50 | 0.44589 | 32.00 | 0.00 | 5.10 | 7.18 | 0.00 | 0.73 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.40 | 0.44589 | 32.00 | 0.00 | 5.09 | 7.22 | 0.00 | 0.73 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.30 | 0.44589 | 32.00 | 0.00 | 5.07 | 7.26 | 0.00 | 0.72 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.20 | 0.44589 | 32.00 | 0.00 | 5.06 | 7.30 | 0.00 | 0.72 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.10 | 0.44589 | 32.00 | 0.00 | 5.05 | 7.33 | 0.00 | 0.72 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 0.00 | 0.44589 | 32.00 | 0.00 | 5.03 | 7.37 | 0.00 | 0.72 | 0.07 | 20.00 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |

CONDENSED CAPSULE SUMMARY FOR ICWWtoBlue

| DIST | FLOW | TEMP | SALN | DO | REAER EBOD1 | BOD1 EBOD2 | BOD2 ORGN | BOD2 NH3 | NH3 CHLA | CHLA RATE | RATE DECA | DECA SETT | SETT DECA | DECA SETT | SETT DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| HDWTR | 0.39600 | 32.00 | 0.00 | 7.93 | 2.56 | 0.00 | 0.89 | 0.08 | 20.00 | | | | | | | |
| 1.30 | 0.39600 | 32.00 | 0.00 | 7.76 | 2.71 | 0.00 | 0.89 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 1.20 | 0.39600 | 32.00 | 0.00 | 7.60 | 2.86 | 0.00 | 0.88 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 1.10 | 0.39600 | 32.00 | 0.00 | 7.45 | 3.00 | 0.00 | 0.88 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 1.00 | 0.39600 | 32.00 | 0.00 | 7.31 | 3.13 | 0.00 | 0.87 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.90 | 0.39600 | 32.00 | 0.00 | 7.18 | 3.26 | 0.00 | 0.87 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.80 | 0.39600 | 32.00 | 0.00 | 7.06 | 3.38 | 0.00 | 0.87 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.70 | 0.39600 | 32.00 | 0.00 | 6.94 | 3.50 | 0.00 | 0.86 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.60 | 0.39600 | 32.00 | 0.00 | 6.83 | 3.61 | 0.00 | 0.86 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.50 | 0.39600 | 32.00 | 0.00 | 6.73 | 3.71 | 0.00 | 0.85 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.40 | 0.39600 | 32.00 | 0.00 | 6.64 | 3.81 | 0.00 | 0.85 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.30 | 0.39600 | 32.00 | 0.00 | 6.55 | 3.91 | 0.00 | 0.85 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.20 | 0.39600 | 32.00 | 0.00 | 6.46 | 4.00 | 0.00 | 0.84 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.10 | 0.39600 | 32.00 | 0.00 | 6.38 | 4.09 | 0.00 | 0.84 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 0.00 | 0.39600 | 32.00 | 0.00 | 6.31 | 4.17 | 0.00 | 0.84 | 0.08 | 20.00 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |

EXPANDED CAPSULE SUMMARY FOR BayouBlue#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 | SETT DECA | SETT DECA | SETT DECA | NH3 SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
| | HDWTR | | 0.396 | 31.2 | 0.0 | 7.8 | 3.8 | 0.0 | 1.0 | 0.1 | 20.0 | | | | | | | | | | | | |
| 1 | BB 1 | 20.10 | 0.396 | 31.2 | 0.0 | 7.7 | 3.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.079 | 0.079 | 7.4 | 3.845 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 2 | BB 1 | 20.00 | 0.397 | 31.2 | 0.0 | 7.7 | 3.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.079 | 0.079 | 7.4 | 3.847 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 3 | BB 1 | 19.90 | 0.397 | 31.2 | 0.0 | 7.6 | 3.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.079 | 0.079 | 7.4 | 3.849 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 4 | BB 1 | 19.80 | 0.397 | 31.2 | 0.0 | 7.6 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.079 | 0.079 | 7.4 | 3.850 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 5 | BB 1 | 19.70 | 0.398 | 31.2 | 0.0 | 7.6 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.852 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 6 | BB 1 | 19.60 | 0.398 | 31.2 | 0.0 | 7.5 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.854 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 7 | BB 1 | 19.50 | 0.398 | 31.2 | 0.0 | 7.5 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.856 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 8 | BB 1 | 19.40 | 0.398 | 31.2 | 0.0 | 7.4 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.857 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.01 |
| 9 | BB 1 | 19.30 | 0.399 | 31.2 | 0.0 | 7.4 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.859 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 10 | BB 1 | 19.20 | 0.399 | 31.2 | 0.0 | 7.4 | 3.9 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.861 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 11 | BB 1 | 19.10 | 0.399 | 31.3 | 0.0 | 7.3 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.863 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 12 | BB 1 | 19.00 | 0.400 | 31.3 | 0.0 | 7.3 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.865 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 13 | BB 1 | 18.90 | 0.400 | 31.3 | 0.0 | 7.3 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.866 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 14 | BB 1 | 18.80 | 0.400 | 31.3 | 0.0 | 7.3 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.868 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 15 | BB 1 | 18.70 | 0.401 | 31.3 | 0.0 | 7.2 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.870 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 16 | BB 1 | 18.60 | 0.401 | 31.3 | 0.0 | 7.2 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.872 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 17 | BB 1 | 18.50 | 0.401 | 31.3 | 0.0 | 7.2 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.873 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 18 | BB 1 | 18.40 | 0.401 | 31.3 | 0.0 | 7.2 | 4.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.875 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 19 | BB 1 | 18.30 | 0.402 | 31.3 | 0.0 | 7.2 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.877 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 20 | BB 1 | 18.20 | 0.402 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.879 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 21 | BB 1 | 18.10 | 0.402 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.080 | 0.080 | 7.4 | 3.881 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 22 | BB 1 | 18.00 | 0.403 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.882 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | BB | 1 | 17.90 | 0.403 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.884 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 24 | BB | 1 | 17.80 | 0.403 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.886 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 25 | BB | 1 | 17.70 | 0.404 | 31.3 | 0.0 | 7.1 | 4.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.888 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 26 | BB | 1 | 17.60 | 0.404 | 31.3 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.889 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 27 | BB | 1 | 17.50 | 0.404 | 31.3 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.891 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 28 | BB | 1 | 17.40 | 0.404 | 31.3 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.893 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 29 | BB | 1 | 17.30 | 0.405 | 31.3 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.895 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 30 | BB | 1 | 17.20 | 0.405 | 31.3 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.897 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 31 | BB | 1 | 17.10 | 0.405 | 31.4 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.898 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 32 | BB | 1 | 17.00 | 0.406 | 31.4 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.900 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 33 | BB | 1 | 16.90 | 0.406 | 31.4 | 0.0 | 7.0 | 4.2 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.902 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 34 | BB | 1 | 16.80 | 0.406 | 31.4 | 0.0 | 7.0 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.904 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 35 | BB | 1 | 16.70 | 0.407 | 31.4 | 0.0 | 7.0 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.906 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 36 | BB | 1 | 16.60 | 0.407 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.907 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 37 | BB | 1 | 16.50 | 0.407 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.081 | 0.081 | 7.4 | 3.909 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 38 | BB | 1 | 16.40 | 0.408 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.911 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 39 | BB | 1 | 16.30 | 0.408 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.913 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 40 | BB | 1 | 16.20 | 0.408 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.914 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 41 | BB | 1 | 16.10 | 0.408 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.916 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.02 |
| 42 | BB | 1 | 16.00 | 0.409 | 31.4 | 0.0 | 6.9 | 4.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.918 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 43 | BB | 1 | 15.90 | 0.409 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.920 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 44 | BB | 1 | 15.80 | 0.409 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.922 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 45 | BB | 1 | 15.70 | 0.410 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.923 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 46 | BB | 1 | 15.60 | 0.410 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.925 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 47 | BB | 1 | 15.50 | 0.410 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.927 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 48 | BB | 1 | 15.40 | 0.411 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.929 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 49 | BB | 1 | 15.30 | 0.411 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.930 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 50 | BB | 1 | 15.20 | 0.411 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.932 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 51 | BB | 1 | 15.10 | 0.411 | 31.4 | 0.0 | 6.9 | 4.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.934 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 52 | BB | 1 | 15.00 | 0.412 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.936 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 53 | BB | 1 | 14.90 | 0.412 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.937 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 54 | BB | 1 | 14.80 | 0.412 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.082 | 0.082 | 7.4 | 3.939 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 55 | BB | 1 | 14.70 | 0.413 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.941 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 56 | BB | 1 | 14.60 | 0.413 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.943 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 57 | BB | 1 | 14.50 | 0.413 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.945 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 58 | BB | 1 | 14.40 | 0.414 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.946 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 59 | BB | 1 | 14.30 | 0.414 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.948 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 60 | BB | 1 | 14.20 | 0.414 | 31.5 | 0.0 | 6.8 | 4.5 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.950 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 61 | BB | 1 | 14.10 | 0.414 | 31.5 | 0.0 | 6.8 | 4.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.952 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 62 | BB | 1 | 14.00 | 0.415 | 31.5 | 0.0 | 6.8 | 4.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.083 | 0.083 | 7.4 | 3.953 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| DIVERSION # 063 (toICWW) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | BB | 1 | 13.90 | 0.019 | 31.5 | 0.0 | 6.8 | 4.6 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.728 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 64 | BB | 1 | 13.80 | 0.019 | 31.5 | 0.0 | 6.5 | 4.8 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.728 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 65 | BB | 1 | 13.70 | 0.019 | 31.5 | 0.0 | 6.3 | 5.0 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.728 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 66 | BB | 1 | 13.60 | 0.020 | 31.5 | 0.0 | 6.2 | 5.1 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.728 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 67 | BB | 1 | 13.50 | 0.020 | 31.5 | 0.0 | 6.1 | 5.3 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 68 | BB | 1 | 13.40 | 0.020 | 31.5 | 0.0 | 6.0 | 5.4 | 0.0 | 1.0 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 69 | BB | 1 | 13.30 | 0.021 | 31.5 | 0.0 | 6.0 | 5.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 70 | BB | 1 | 13.20 | 0.021 | 31.5 | 0.0 | 5.9 | 5.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |
| 71 | BB | 1 | 13.10 | 0.021 | 31.5 | 0.0 | 5.9 | 5.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | BB | 1 | 13.00 | 0.021 | 31.5 | 0.0 | 5.9 | 5.9 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.25 | 0.00 | 0.00 | 0.00 | 0.27 | 1.03 |

EXPANDED CAPSULE SUMMARY FOR BayouBlue#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 |
| 73 | BB | 1 | 12.90 | 0.022 | 31.6 | 0.0 | 5.8 | 6.0 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.729 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 74 | BB | 1 | 12.80 | 0.022 | 31.6 | 0.0 | 5.8 | 6.0 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 75 | BB | 1 | 12.70 | 0.022 | 31.6 | 0.0 | 5.8 | 6.1 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.004 | 0.004 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 76 | BB | 1 | 12.60 | 0.023 | 31.6 | 0.0 | 5.8 | 6.2 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 77 | BB | 1 | 12.50 | 0.023 | 31.6 | 0.0 | 5.8 | 6.2 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 78 | BB | 1 | 12.40 | 0.023 | 31.6 | 0.0 | 5.8 | 6.3 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 79 | BB | 1 | 12.30 | 0.024 | 31.6 | 0.0 | 5.8 | 6.3 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 80 | BB | 1 | 12.20 | 0.024 | 31.6 | 0.0 | 5.7 | 6.4 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.730 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 81 | BB | 1 | 12.10 | 0.024 | 31.6 | 0.0 | 5.7 | 6.4 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 82 | BB | 1 | 12.00 | 0.024 | 31.6 | 0.0 | 5.7 | 6.5 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 83 | BB | 1 | 11.90 | 0.025 | 31.6 | 0.0 | 5.7 | 6.5 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 84 | BB | 1 | 11.80 | 0.025 | 31.6 | 0.0 | 5.7 | 6.5 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 85 | BB | 1 | 11.70 | 0.025 | 31.6 | 0.0 | 5.7 | 6.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 86 | BB | 1 | 11.60 | 0.026 | 31.6 | 0.0 | 5.7 | 6.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 87 | BB | 1 | 11.50 | 0.026 | 31.6 | 0.0 | 5.7 | 6.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.731 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 88 | BB | 1 | 11.40 | 0.026 | 31.6 | 0.0 | 5.7 | 6.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 89 | BB | 1 | 11.30 | 0.027 | 31.6 | 0.0 | 5.7 | 6.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.4 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 90 | BB | 1 | 11.20 | 0.027 | 31.6 | 0.0 | 5.7 | 6.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.3 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 91 | BB | 1 | 11.10 | 0.027 | 31.6 | 0.0 | 5.7 | 6.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.3 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 92 | BB | 1 | 11.00 | 0.027 | 31.6 | 0.0 | 5.7 | 6.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.005 | 0.005 | 7.3 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 93 | BB | 1 | 10.90 | 0.028 | 31.7 | 0.0 | 5.7 | 6.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 94 | BB | 1 | 10.80 | 0.028 | 31.7 | 0.0 | 5.7 | 6.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.732 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 95 | BB | 1 | 10.70 | 0.028 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 96 | BB | 1 | 10.60 | 0.029 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 97 | BB | 1 | 10.50 | 0.029 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 98 | BB | 1 | 10.40 | 0.029 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 99 | BB | 1 | 10.30 | 0.030 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 100 | BB | 1 | 10.20 | 0.030 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 101 | BB | 1 | 10.10 | 0.030 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.733 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 102 | BB | 1 | 10.00 | 0.031 | 31.7 | 0.0 | 5.7 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| WASTELOAD # 103 (LAG531463) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | BB | 1 | 9.90 | 0.031 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 104 | BB | 1 | 9.80 | 0.031 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.04 |
| 105 | BB | 1 | 9.70 | 0.032 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 106 | BB | 1 | 9.60 | 0.032 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 107 | BB | 1 | 9.50 | 0.032 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 108 | BB | 1 | 9.40 | 0.032 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.006 | 0.006 | 7.3 | 1.734 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 109 | BB | 1 | 9.30 | 0.033 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 110 | BB | 1 | 9.20 | 0.033 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 111 | BB | 1 | 9.10 | 0.033 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 112 | BB | 1 | 9.00 | 0.034 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 113 | BB | 1 | 8.90 | 0.034 | 31.7 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 114 | BB | 1 | 8.80 | 0.034 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 115 | BB | 1 | 8.70 | 0.035 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.735 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 116 | BB | 1 | 8.60 | 0.035 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 117 | BB | 1 | 8.50 | 0.035 | 31.8 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 118 | BB | 1 | 8.40 | 0.035 | 31.8 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |

WASTELOAD # 119 (LA0084077) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | BB | 1 | 8.30 | 0.036 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 120 | BB | 1 | 8.20 | 0.036 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 121 | BB | 1 | 8.10 | 0.037 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 122 | BB | 1 | 8.00 | 0.037 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.736 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 123 | BB | 1 | 7.90 | 0.037 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 124 | BB | 1 | 7.80 | 0.037 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.007 | 0.007 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 125 | BB | 1 | 7.70 | 0.038 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 126 | BB | 1 | 7.60 | 0.038 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 127 | BB | 1 | 7.50 | 0.038 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 128 | BB | 1 | 7.40 | 0.039 | 31.8 | 0.0 | 5.6 | 7.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 129 | BB | 1 | 7.30 | 0.039 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.737 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 130 | BB | 1 | 7.20 | 0.039 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 131 | BB | 1 | 7.10 | 0.040 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 132 | BB | 1 | 7.00 | 0.040 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 133 | BB | 1 | 6.90 | 0.040 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 134 | BB | 1 | 6.80 | 0.040 | 31.8 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 135 | BB | 1 | 6.70 | 0.041 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.05 |
| 136 | BB | 1 | 6.60 | 0.041 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.738 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 137 | BB | 1 | 6.50 | 0.041 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 138 | BB | 1 | 6.40 | 0.042 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 139 | BB | 1 | 6.30 | 0.042 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 140 | BB | 1 | 6.20 | 0.042 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.008 | 0.008 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 141 | BB | 1 | 6.10 | 0.043 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 142 | BB | 1 | 6.00 | 0.043 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 143 | BB | 1 | 5.90 | 0.043 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.739 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 144 | BB | 1 | 5.80 | 0.044 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |

EXPANDED CAPSULE SUMMARY FOR BayouBlue#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 | 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 |
| 145 | BB | 1 | 5.70 | 0.044 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 146 | BB | 1 | 5.60 | 0.044 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 147 | BB | 1 | 5.50 | 0.044 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 148 | BB | 1 | 5.40 | 0.045 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 149 | BB | 1 | 5.30 | 0.045 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 150 | BB | 1 | 5.20 | 0.045 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.740 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 151 | BB | 1 | 5.10 | 0.046 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 152 | BB | 1 | 5.00 | 0.046 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 153 | BB | 1 | 4.90 | 0.046 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 154 | BB | 1 | 4.80 | 0.047 | 31.9 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 155 | BB | 1 | 4.70 | 0.047 | 32.0 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 156 | BB | 1 | 4.60 | 0.047 | 32.0 | 0.0 | 5.6 | 7.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 157 | BB | 1 | 4.50 | 0.047 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.009 | 0.009 | 7.3 | 1.741 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 158 | BB | 1 | 4.40 | 0.048 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 159 | BB | 1 | 4.30 | 0.048 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 160 | BB | 1 | 4.20 | 0.048 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 161 | BB | 1 | 4.10 | 0.049 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 162 | BB | 1 | 4.00 | 0.049 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 163 | BB | 1 | 3.90 | 0.049 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 164 | BB | 1 | 3.80 | 0.050 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.742 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 165 | BB | 1 | 3.70 | 0.050 | 32.0 | 0.0 | 5.6 | 6.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.50 | 10.0 | 0.010 | 0.010 | 7.3 | 1.743 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| TRIBUTARY # 166 (ICWWtoBlue) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | BB | 3 | 3.60 | 0.446 | 32.0 | 0.0 | 6.2 | 4.6 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 181 | BB | 3 | 3.50 | 0.446 | 32.0 | 0.0 | 6.1 | 4.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 182 | BB | 3 | 3.40 | 0.446 | 32.0 | 0.0 | 6.0 | 4.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 183 | BB | 3 | 3.30 | 0.446 | 32.0 | 0.0 | 6.0 | 5.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 184 | BB | 3 | 3.20 | 0.446 | 32.0 | 0.0 | 5.9 | 5.2 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 185 | BB | 3 | 3.10 | 0.446 | 32.0 | 0.0 | 5.9 | 5.3 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 186 | BB | 3 | 3.00 | 0.446 | 32.0 | 0.0 | 5.8 | 5.4 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 187 | BB | 3 | 2.90 | 0.446 | 32.0 | 0.0 | 5.8 | 5.5 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 188 | BB | 3 | 2.80 | 0.446 | 32.0 | 0.0 | 5.7 | 5.6 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 189 | BB | 3 | 2.70 | 0.446 | 32.0 | 0.0 | 5.7 | 5.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 190 | BB | 3 | 2.60 | 0.446 | 32.0 | 0.0 | 5.6 | 5.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 191 | BB | 3 | 2.50 | 0.446 | 32.0 | 0.0 | 5.6 | 5.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 192 | BB | 3 | 2.40 | 0.446 | 32.0 | 0.0 | 5.6 | 6.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 193 | BB | 3 | 2.30 | 0.446 | 32.0 | 0.0 | 5.5 | 6.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 194 | BB | 3 | 2.20 | 0.446 | 32.0 | 0.0 | 5.5 | 6.2 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 195 | BB | 3 | 2.10 | 0.446 | 32.0 | 0.0 | 5.5 | 6.2 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 196 | BB | 3 | 2.00 | 0.446 | 32.0 | 0.0 | 5.4 | 6.3 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 197 | BB | 3 | 1.90 | 0.446 | 32.0 | 0.0 | 5.4 | 6.4 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 198 | BB | 3 | 1.80 | 0.446 | 32.0 | 0.0 | 5.4 | 6.5 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 199 | BB | 3 | 1.70 | 0.446 | 32.0 | 0.0 | 5.3 | 6.5 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 200 | BB | 3 | 1.60 | 0.446 | 32.0 | 0.0 | 5.3 | 6.6 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 201 | BB | 3 | 1.50 | 0.446 | 32.0 | 0.0 | 5.3 | 6.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 202 | BB | 3 | 1.40 | 0.446 | 32.0 | 0.0 | 5.3 | 6.7 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 203 | BB | 3 | 1.30 | 0.446 | 32.0 | 0.0 | 5.3 | 6.8 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 204 | BB | 3 | 1.20 | 0.446 | 32.0 | 0.0 | 5.2 | 6.8 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 205 | BB | 3 | 1.10 | 0.446 | 32.0 | 0.0 | 5.2 | 6.9 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 206 | BB | 3 | 1.00 | 0.446 | 32.0 | 0.0 | 5.2 | 6.9 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 207 | BB | 3 | 0.90 | 0.446 | 32.0 | 0.0 | 5.2 | 7.0 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 208 | BB | 3 | 0.80 | 0.446 | 32.0 | 0.0 | 5.2 | 7.0 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 209 | BB | 3 | 0.70 | 0.446 | 32.0 | 0.0 | 5.1 | 7.1 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 210 | BB | 3 | 0.60 | 0.446 | 32.0 | 0.0 | 5.1 | 7.1 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 211 | BB | 3 | 0.50 | 0.446 | 32.0 | 0.0 | 5.1 | 7.2 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 212 | BB | 3 | 0.40 | 0.446 | 32.0 | 0.0 | 5.1 | 7.2 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 213 | BB | 3 | 0.30 | 0.446 | 32.0 | 0.0 | 5.1 | 7.3 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 214 | BB | 3 | 0.20 | 0.446 | 32.0 | 0.0 | 5.1 | 7.3 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 215 | BB | 3 | 0.10 | 0.446 | 32.0 | 0.0 | 5.0 | 7.3 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |
| 216 | BB | 3 | 0.00 | 0.446 | 32.0 | 0.0 | 5.0 | 7.4 | 0.0 | 0.7 | 0.1 | 20.0 | 0.0 | 0.90 | 65.5 | 0.008 | 0.008 | 7.3 | 0.968 | 0.26 | 0.00 | 0.00 | 0.00 | 0.27 | 1.06 |

EXPANDED CAPSULE SUMMARY FOR ICWWtoBlue

| IOR | REACH | DIST (km) | FLOW (m³/s) | TEMP (deg C) | SALN (ppt) | DO (mg/L) | EBOD1 (mg/L) | EBOD2 (mg/L) | ORG-N (µg/L) | NH3 (m²/s) | ADVEC CHLA (m) | MEAN DISP (m) | DO DEPTH (m/s) | REAER WIDTH (m/s) | BOD1 VELO (mg/L) | BOD1 VELO (1/da) | BOD2 SAT (1/da) | BOD2 RATE (1/da) | NH3 DECA (1/da) | SETT DECA (1/da) | SETT DECA (1/da) | SOD (g/m²/d) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | IC 2 | 1.30 | 0.396 | 32.0 | 0.0 | 7.8 | 2.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 167 | IC 2 | 1.20 | 0.396 | 32.0 | 0.0 | 7.6 | 2.9 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 168 | IC 2 | 1.10 | 0.396 | 32.0 | 0.0 | 7.5 | 3.0 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.29 | 1.06 |
| 169 | IC 2 | 1.00 | 0.396 | 32.0 | 0.0 | 7.3 | 3.1 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 170 | IC 2 | 0.90 | 0.396 | 32.0 | 0.0 | 7.2 | 3.3 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 171 | IC 2 | 0.80 | 0.396 | 32.0 | 0.0 | 7.1 | 3.4 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 172 | IC 2 | 0.70 | 0.396 | 32.0 | 0.0 | 6.9 | 3.5 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 173 | IC 2 | 0.60 | 0.396 | 32.0 | 0.0 | 6.8 | 3.6 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 174 | IC 2 | 0.50 | 0.396 | 32.0 | 0.0 | 6.7 | 3.7 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 175 | IC 2 | 0.40 | 0.396 | 32.0 | 0.0 | 6.6 | 3.8 | 0.0 | 0.9 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 176 | IC 2 | 0.30 | 0.396 | 32.0 | 0.0 | 6.5 | 3.9 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 177 | IC 2 | 0.20 | 0.396 | 32.0 | 0.0 | 6.5 | 4.0 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 178 | IC 2 | 0.10 | 0.396 | 32.0 | 0.0 | 6.4 | 4.1 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |
| 179 | IC 2 | 0.00 | 0.396 | 32.0 | 0.0 | 6.3 | 4.2 | 0.0 | 0.8 | 0.1 | 20.0 | 0.0 | 1.40 | 44.0 | 0.006 | 0.006 | 7.3 | 0.622 | 0.26 | 0.00 | 0.00 | 0.00 | 0.28 | 1.06 |

SPECIAL REPORT: BayouBlue#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 #/100mL | MACRO * | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.100 | 31.20 | 0.0 | 0.0 | 0.0 | 7.73 | 3.81 | 0.00 | 3.81 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 2 | 20.000 | 31.21 | 0.0 | 0.0 | 0.0 | 7.68 | 3.83 | 0.00 | 3.83 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 3 | 19.900 | 31.21 | 0.0 | 0.0 | 0.0 | 7.64 | 3.84 | 0.00 | 3.84 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 4 | 19.800 | 31.22 | 0.0 | 0.0 | 0.0 | 7.59 | 3.86 | 0.00 | 3.86 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 5 | 19.700 | 31.22 | 0.0 | 0.0 | 0.0 | 7.55 | 3.87 | 0.00 | 3.87 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 6 | 19.600 | 31.23 | 0.0 | 0.0 | 0.0 | 7.51 | 3.89 | 0.00 | 3.89 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 7 | 19.500 | 31.23 | 0.0 | 0.0 | 0.0 | 7.48 | 3.90 | 0.00 | 3.90 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 8 | 19.400 | 31.24 | 0.0 | 0.0 | 0.0 | 7.44 | 3.91 | 0.00 | 3.91 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 9 | 19.300 | 31.24 | 0.0 | 0.0 | 0.0 | 7.41 | 3.93 | 0.00 | 3.93 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 10 | 19.200 | 31.25 | 0.0 | 0.0 | 0.0 | 7.38 | 3.94 | 0.00 | 3.94 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 11 | 19.100 | 31.25 | 0.0 | 0.0 | 0.0 | 7.35 | 3.96 | 0.00 | 3.96 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 12 | 19.000 | 31.26 | 0.0 | 0.0 | 0.0 | 7.32 | 3.97 | 0.00 | 3.97 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 13 | 18.900 | 31.26 | 0.0 | 0.0 | 0.0 | 7.29 | 3.98 | 0.00 | 3.98 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 14 | 18.800 | 31.27 | 0.0 | 0.0 | 0.0 | 7.27 | 4.00 | 0.00 | 4.00 | 0.00 | 1.00 | 0.09 | 0.00 | 1.10 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 15 | 18.700 | 31.27 | 0.0 | 0.0 | 0.0 | 7.24 | 4.01 | 0.00 | 4.01 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 16 | 18.600 | 31.28 | 0.0 | 0.0 | 0.0 | 7.22 | 4.02 | 0.00 | 4.02 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 17 | 18.500 | 31.28 | 0.0 | 0.0 | 0.0 | 7.20 | 4.04 | 0.00 | 4.04 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 18 | 18.400 | 31.29 | 0.0 | 0.0 | 0.0 | 7.18 | 4.05 | 0.00 | 4.05 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 19 | 18.300 | 31.29 | 0.0 | 0.0 | 0.0 | 7.16 | 4.06 | 0.00 | 4.06 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 20 | 18.200 | 31.30 | 0.0 | 0.0 | 0.0 | 7.14 | 4.08 | 0.00 | 4.08 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 21 | 18.100 | 31.30 | 0.0 | 0.0 | 0.0 | 7.12 | 4.09 | 0.00 | 4.09 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 22 | 18.000 | 31.31 | 0.0 | 0.0 | 0.0 | 7.11 | 4.10 | 0.00 | 4.10 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 17.900 | 31.31 | 0.0 | 0.0 | 0.0 | 7.09 | 4.11 | 0.00 | 4.11 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 24 | 17.800 | 31.32 | 0.0 | 0.0 | 0.0 | 7.08 | 4.13 | 0.00 | 4.13 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 25 | 17.700 | 31.32 | 0.0 | 0.0 | 0.0 | 7.06 | 4.14 | 0.00 | 4.14 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 26 | 17.600 | 31.33 | 0.0 | 0.0 | 0.0 | 7.05 | 4.15 | 0.00 | 4.15 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 27 | 17.500 | 31.33 | 0.0 | 0.0 | 0.0 | 7.03 | 4.17 | 0.00 | 4.17 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 28 | 17.400 | 31.34 | 0.0 | 0.0 | 0.0 | 7.02 | 4.18 | 0.00 | 4.18 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 29 | 17.300 | 31.34 | 0.0 | 0.0 | 0.0 | 7.01 | 4.19 | 0.00 | 4.19 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 30 | 17.200 | 31.35 | 0.0 | 0.0 | 0.0 | 7.00 | 4.20 | 0.00 | 4.20 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 31 | 17.100 | 31.35 | 0.0 | 0.0 | 0.0 | 6.99 | 4.22 | 0.00 | 4.22 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 32 | 17.000 | 31.36 | 0.0 | 0.0 | 0.0 | 6.98 | 4.23 | 0.00 | 4.23 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 33 | 16.900 | 31.36 | 0.0 | 0.0 | 0.0 | 6.97 | 4.24 | 0.00 | 4.24 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 34 | 16.800 | 31.36 | 0.0 | 0.0 | 0.0 | 6.96 | 4.25 | 0.00 | 4.25 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 35 | 16.700 | 31.37 | 0.0 | 0.0 | 0.0 | 6.95 | 4.26 | 0.00 | 4.26 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 36 | 16.600 | 31.37 | 0.0 | 0.0 | 0.0 | 6.94 | 4.28 | 0.00 | 4.28 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 37 | 16.500 | 31.38 | 0.0 | 0.0 | 0.0 | 6.93 | 4.29 | 0.00 | 4.29 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 38 | 16.400 | 31.38 | 0.0 | 0.0 | 0.0 | 6.93 | 4.30 | 0.00 | 4.30 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 39 | 16.300 | 31.39 | 0.0 | 0.0 | 0.0 | 6.92 | 4.31 | 0.00 | 4.31 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 40 | 16.200 | 31.39 | 0.0 | 0.0 | 0.0 | 6.91 | 4.32 | 0.00 | 4.32 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 41 | 16.100 | 31.40 | 0.0 | 0.0 | 0.0 | 6.91 | 4.34 | 0.00 | 4.34 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 42 | 16.000 | 31.40 | 0.0 | 0.0 | 0.0 | 6.90 | 4.35 | 0.00 | 4.35 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 43 | 15.900 | 31.41 | 0.0 | 0.0 | 0.0 | 6.89 | 4.36 | 0.00 | 4.36 | 0.00 | 0.99 | 0.09 | 0.00 | 1.09 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 44 | 15.800 | 31.41 | 0.0 | 0.0 | 0.0 | 6.89 | 4.37 | 0.00 | 4.37 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 45 | 15.700 | 31.42 | 0.0 | 0.0 | 0.0 | 6.88 | 4.38 | 0.00 | 4.38 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 46 | 15.600 | 31.42 | 0.0 | 0.0 | 0.0 | 6.88 | 4.39 | 0.00 | 4.39 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 47 | 15.500 | 31.43 | 0.0 | 0.0 | 0.0 | 6.87 | 4.40 | 0.00 | 4.40 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 48 | 15.400 | 31.43 | 0.0 | 0.0 | 0.0 | 6.87 | 4.42 | 0.00 | 4.42 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 49 | 15.300 | 31.44 | 0.0 | 0.0 | 0.0 | 6.86 | 4.43 | 0.00 | 4.43 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 50 | 15.200 | 31.44 | 0.0 | 0.0 | 0.0 | 6.86 | 4.44 | 0.00 | 4.44 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 51 | 15.100 | 31.45 | 0.0 | 0.0 | 0.0 | 6.85 | 4.45 | 0.00 | 4.45 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 52 | 15.000 | 31.45 | 0.0 | 0.0 | 0.0 | 6.85 | 4.46 | 0.00 | 4.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 53 | 14.900 | 31.46 | 0.0 | 0.0 | 0.0 | 6.84 | 4.47 | 0.00 | 4.47 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 54 | 14.800 | 31.46 | 0.0 | 0.0 | 0.0 | 6.84 | 4.48 | 0.00 | 4.48 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 55 | 14.700 | 31.47 | 0.0 | 0.0 | 0.0 | 6.84 | 4.49 | 0.00 | 4.49 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 56 | 14.600 | 31.47 | 0.0 | 0.0 | 0.0 | 6.83 | 4.50 | 0.00 | 4.50 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 57 | 14.500 | 31.48 | 0.0 | 0.0 | 0.0 | 6.83 | 4.51 | 0.00 | 4.51 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 58 | 14.400 | 31.48 | 0.0 | 0.0 | 0.0 | 6.83 | 4.53 | 0.00 | 4.53 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 59 | 14.300 | 31.49 | 0.0 | 0.0 | 0.0 | 6.82 | 4.54 | 0.00 | 4.54 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 60 | 14.200 | 31.49 | 0.0 | 0.0 | 0.0 | 6.82 | 4.55 | 0.00 | 4.55 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 61 | 14.100 | 31.50 | 0.0 | 0.0 | 0.0 | 6.82 | 4.56 | 0.00 | 4.56 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 62 | 14.000 | 31.50 | 0.0 | 0.0 | 0.0 | 6.81 | 4.57 | 0.00 | 4.57 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 63 | 13.900 | 31.51 | 0.0 | 0.0 | 0.0 | 6.79 | 4.58 | 0.00 | 4.58 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 64 | 13.800 | 31.51 | 0.0 | 0.0 | 0.0 | 6.50 | 4.79 | 0.00 | 4.79 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 65 | 13.700 | 31.52 | 0.0 | 0.0 | 0.0 | 6.30 | 4.98 | 0.00 | 4.98 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 66 | 13.600 | 31.52 | 0.0 | 0.0 | 0.0 | 6.17 | 5.15 | 0.00 | 5.15 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 67 | 13.500 | 31.52 | 0.0 | 0.0 | 0.0 | 6.07 | 5.30 | 0.00 | 5.30 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 68 | 13.400 | 31.53 | 0.0 | 0.0 | 0.0 | 6.01 | 5.44 | 0.00 | 5.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.05 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 69 | 13.300 | 31.53 | 0.0 | 0.0 | 0.0 | 5.96 | 5.57 | 0.00 | 5.57 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 70 | 13.200 | 31.54 | 0.0 | 0.0 | 0.0 | 5.92 | 5.68 | 0.00 | 5.68 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 71 | 13.100 | 31.54 | 0.0 | 0.0 | 0.0 | 5.88 | 5.79 | 0.00 | 5.79 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 72 | 13.000 | 31.55 | 0.0 | 0.0 | 0.0 | 5.86 | 5.88 | 0.00 | 5.88 | 0.00 | 0.93 | 0.09 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 12.900 | 31.55 | 0.0 | 0.0 | 0.0 | 5.84 | 5.97 | 0.00 | 5.97 | 0.00 | 0.93 | 0.09 | 0.00 | 1.02 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 74 | 12.800 | 31.56 | 0.0 | 0.0 | 0.0 | 5.82 | 6.04 | 0.00 | 6.04 | 0.00 | 0.92 | 0.09 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 75 | 12.700 | 31.56 | 0.0 | 0.0 | 0.0 | 5.81 | 6.11 | 0.00 | 6.11 | 0.00 | 0.92 | 0.09 | 0.00 | 1.01 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 76 | 12.600 | 31.57 | 0.0 | 0.0 | 0.0 | 5.79 | 6.18 | 0.00 | 6.18 | 0.00 | 0.91 | 0.09 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 77 | 12.500 | 31.57 | 0.0 | 0.0 | 0.0 | 5.78 | 6.24 | 0.00 | 6.24 | 0.00 | 0.91 | 0.09 | 0.00 | 1.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 78 | 12.400 | 31.58 | 0.0 | 0.0 | 0.0 | 5.77 | 6.29 | 0.00 | 6.29 | 0.00 | 0.90 | 0.09 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 79 | 12.300 | 31.58 | 0.0 | 0.0 | 0.0 | 5.76 | 6.34 | 0.00 | 6.34 | 0.00 | 0.90 | 0.09 | 0.00 | 0.99 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 80 | 12.200 | 31.59 | 0.0 | 0.0 | 0.0 | 5.75 | 6.39 | 0.00 | 6.39 | 0.00 | 0.90 | 0.09 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 81 | 12.100 | 31.59 | 0.0 | 0.0 | 0.0 | 5.74 | 6.43 | 0.00 | 6.43 | 0.00 | 0.89 | 0.09 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 82 | 12.000 | 31.60 | 0.0 | 0.0 | 0.0 | 5.73 | 6.47 | 0.00 | 6.47 | 0.00 | 0.89 | 0.09 | 0.00 | 0.98 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 83 | 11.900 | 31.60 | 0.0 | 0.0 | 0.0 | 5.73 | 6.50 | 0.00 | 6.50 | 0.00 | 0.88 | 0.09 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 84 | 11.800 | 31.61 | 0.0 | 0.0 | 0.0 | 5.72 | 6.53 | 0.00 | 6.53 | 0.00 | 0.88 | 0.09 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 85 | 11.700 | 31.61 | 0.0 | 0.0 | 0.0 | 5.71 | 6.56 | 0.00 | 6.56 | 0.00 | 0.88 | 0.09 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 86 | 11.600 | 31.62 | 0.0 | 0.0 | 0.0 | 5.71 | 6.59 | 0.00 | 6.59 | 0.00 | 0.87 | 0.09 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 87 | 11.500 | 31.62 | 0.0 | 0.0 | 0.0 | 5.70 | 6.62 | 0.00 | 6.62 | 0.00 | 0.87 | 0.09 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 88 | 11.400 | 31.63 | 0.0 | 0.0 | 0.0 | 5.70 | 6.64 | 0.00 | 6.64 | 0.00 | 0.87 | 0.09 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 89 | 11.300 | 31.63 | 0.0 | 0.0 | 0.0 | 5.69 | 6.66 | 0.00 | 6.66 | 0.00 | 0.86 | 0.09 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 90 | 11.200 | 31.64 | 0.0 | 0.0 | 0.0 | 5.69 | 6.68 | 0.00 | 6.68 | 0.00 | 0.86 | 0.09 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 91 | 11.100 | 31.64 | 0.0 | 0.0 | 0.0 | 5.69 | 6.70 | 0.00 | 6.70 | 0.00 | 0.86 | 0.09 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 92 | 11.000 | 31.65 | 0.0 | 0.0 | 0.0 | 5.68 | 6.72 | 0.00 | 6.72 | 0.00 | 0.86 | 0.09 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 93 | 10.900 | 31.65 | 0.0 | 0.0 | 0.0 | 5.68 | 6.73 | 0.00 | 6.73 | 0.00 | 0.85 | 0.09 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 94 | 10.800 | 31.66 | 0.0 | 0.0 | 0.0 | 5.68 | 6.75 | 0.00 | 6.75 | 0.00 | 0.85 | 0.09 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 95 | 10.700 | 31.66 | 0.0 | 0.0 | 0.0 | 5.67 | 6.76 | 0.00 | 6.76 | 0.00 | 0.85 | 0.09 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 96 | 10.600 | 31.67 | 0.0 | 0.0 | 0.0 | 5.67 | 6.77 | 0.00 | 6.77 | 0.00 | 0.84 | 0.09 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 97 | 10.500 | 31.67 | 0.0 | 0.0 | 0.0 | 5.67 | 6.78 | 0.00 | 6.78 | 0.00 | 0.84 | 0.08 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 98 | 10.400 | 31.68 | 0.0 | 0.0 | 0.0 | 5.66 | 6.79 | 0.00 | 6.79 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 99 | 10.300 | 31.68 | 0.0 | 0.0 | 0.0 | 5.66 | 6.80 | 0.00 | 6.80 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 100 | 10.200 | 31.68 | 0.0 | 0.0 | 0.0 | 5.66 | 6.81 | 0.00 | 6.81 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 101 | 10.100 | 31.69 | 0.0 | 0.0 | 0.0 | 5.66 | 6.82 | 0.00 | 6.82 | 0.00 | 0.83 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 102 | 10.000 | 31.69 | 0.0 | 0.0 | 0.0 | 5.66 | 6.83 | 0.00 | 6.83 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 103 | 9.900 | 31.70 | 0.0 | 0.0 | 0.0 | 5.65 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 104 | 9.800 | 31.70 | 0.0 | 0.0 | 0.0 | 5.64 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 105 | 9.700 | 31.71 | 0.0 | 0.0 | 0.0 | 5.64 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 106 | 9.600 | 31.71 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 107 | 9.500 | 31.72 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 108 | 9.400 | 31.72 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 109 | 9.300 | 31.73 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 110 | 9.200 | 31.73 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 111 | 9.100 | 31.74 | 0.0 | 0.0 | 0.0 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 112 | 9.000 | 31.74 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 113 | 8.900 | 31.75 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 114 | 8.800 | 31.75 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 115 | 8.700 | 31.76 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 116 | 8.600 | 31.76 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 117 | 8.500 | 31.77 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.80 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 118 | 8.400 | 31.77 | 0.0 | 0.0 | 0.0 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.80 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 119 | 8.300 | 31.78 | 0.0 | 0.0 | 0.0 | 5.61 | 7.12 | 0.00 | 7.12 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 120 | 8.200 | 31.78 | 0.0 | 0.0 | 0.0 | 5.61 | 7.11 | 0.00 | 7.11 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 121 | 8.100 | 31.79 | 0.0 | 0.0 | 0.0 | 5.60 | 7.10 | 0.00 | 7.10 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 122 | 8.000 | 31.79 | 0.0 | 0.0 | 0.0 | 5.60 | 7.10 | 0.00 | 7.10 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 31.80 | 0.0 | 0.0 | 0.0 | 5.60 | 7.09 | 0.00 | 7.09 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 124 | 7.800 | 31.80 | 0.0 | 0.0 | 0.0 | 5.60 | 7.08 | 0.00 | 7.08 | 0.00 | 0.80 | 0.09 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 125 | 7.700 | 31.81 | 0.0 | 0.0 | 0.0 | 5.59 | 7.07 | 0.00 | 7.07 | 0.00 | 0.80 | 0.09 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 126 | 7.600 | 31.81 | 0.0 | 0.0 | 0.0 | 5.59 | 7.07 | 0.00 | 7.07 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 127 | 7.500 | 31.82 | 0.0 | 0.0 | 0.0 | 5.59 | 7.06 | 0.00 | 7.06 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 128 | 7.400 | 31.82 | 0.0 | 0.0 | 0.0 | 5.59 | 7.06 | 0.00 | 7.06 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 129 | 7.300 | 31.83 | 0.0 | 0.0 | 0.0 | 5.59 | 7.05 | 0.00 | 7.05 | 0.00 | 0.79 | 0.08 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 130 | 7.200 | 31.83 | 0.0 | 0.0 | 0.0 | 5.59 | 7.04 | 0.00 | 7.04 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 131 | 7.100 | 31.84 | 0.0 | 0.0 | 0.0 | 5.59 | 7.04 | 0.00 | 7.04 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 132 | 7.000 | 31.84 | 0.0 | 0.0 | 0.0 | 5.59 | 7.03 | 0.00 | 7.03 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 133 | 6.900 | 31.84 | 0.0 | 0.0 | 0.0 | 5.59 | 7.03 | 0.00 | 7.03 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 134 | 6.800 | 31.85 | 0.0 | 0.0 | 0.0 | 5.59 | 7.02 | 0.00 | 7.02 | 0.00 | 0.78 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 135 | 6.700 | 31.85 | 0.0 | 0.0 | 0.0 | 5.59 | 7.02 | 0.00 | 7.02 | 0.00 | 0.78 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 136 | 6.600 | 31.86 | 0.0 | 0.0 | 0.0 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 137 | 6.500 | 31.86 | 0.0 | 0.0 | 0.0 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 138 | 6.400 | 31.87 | 0.0 | 0.0 | 0.0 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 139 | 6.300 | 31.87 | 0.0 | 0.0 | 0.0 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 140 | 6.200 | 31.88 | 0.0 | 0.0 | 0.0 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 141 | 6.100 | 31.88 | 0.0 | 0.0 | 0.0 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 142 | 6.000 | 31.89 | 0.0 | 0.0 | 0.0 | 5.59 | 6.99 | 0.00 | 6.99 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 143 | 5.900 | 31.89 | 0.0 | 0.0 | 0.0 | 5.59 | 6.99 | 0.00 | 6.99 | 0.00 | 0.77 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 144 | 5.800 | 31.90 | 0.0 | 0.0 | 0.0 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 145 | 5.700 | 31.90 | 0.0 | 0.0 | 0.0 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 146 | 5.600 | 31.91 | 0.0 | 0.0 | 0.0 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 147 | 5.500 | 31.91 | 0.0 | 0.0 | 0.0 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 148 | 5.400 | 31.92 | 0.0 | 0.0 | 0.0 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 149 | 5.300 | 31.92 | 0.0 | 0.0 | 0.0 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 150 | 5.200 | 31.93 | 0.0 | 0.0 | 0.0 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 151 | 5.100 | 31.93 | 0.0 | 0.0 | 0.0 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 152 | 5.000 | 31.94 | 0.0 | 0.0 | 0.0 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 153 | 4.900 | 31.94 | 0.0 | 0.0 | 0.0 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 154 | 4.800 | 31.95 | 0.0 | 0.0 | 0.0 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 155 | 4.700 | 31.95 | 0.0 | 0.0 | 0.0 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 156 | 4.600 | 31.96 | 0.0 | 0.0 | 0.0 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 157 | 4.500 | 31.96 | 0.0 | 0.0 | 0.0 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 158 | 4.400 | 31.97 | 0.0 | 0.0 | 0.0 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 159 | 4.300 | 31.97 | 0.0 | 0.0 | 0.0 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 160 | 4.200 | 31.98 | 0.0 | 0.0 | 0.0 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 161 | 4.100 | 31.98 | 0.0 | 0.0 | 0.0 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 162 | 4.000 | 31.99 | 0.0 | 0.0 | 0.0 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 163 | 3.900 | 31.99 | 0.0 | 0.0 | 0.0 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 164 | 3.800 | 32.00 | 0.0 | 0.0 | 0.0 | 5.58 | 6.93 | 0.00 | 6.93 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 165 | 3.700 | 32.00 | 0.0 | 0.0 | 0.0 | 5.58 | 6.93 | 0.00 | 6.93 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 180 | 3.600 | 32.00 | 0.0 | 0.0 | 0.0 | 6.15 | 4.63 | 0.00 | 4.63 | 0.00 | 0.82 | 0.08 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 181 | 3.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.09 | 4.77 | 0.00 | 4.77 | 0.00 | 0.82 | 0.08 | 0.00 | 0.90 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 182 | 3.400 | 32.00 | 0.0 | 0.0 | 0.0 | 6.03 | 4.90 | 0.00 | 4.90 | 0.00 | 0.82 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 183 | 3.300 | 32.00 | 0.0 | 0.0 | 0.0 | 5.97 | 5.03 | 0.00 | 5.03 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 184 | 3.200 | 32.00 | 0.0 | 0.0 | 0.0 | 5.91 | 5.15 | 0.00 | 5.15 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 185 | 3.100 | 32.00 | 0.0 | 0.0 | 0.0 | 5.86 | 5.27 | 0.00 | 5.27 | 0.00 | 0.81 | 0.08 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 186 | 3.000 | 32.00 | 0.0 | 0.0 | 0.0 | 5.81 | 5.39 | 0.00 | 5.39 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 187 | 2.900 | 32.00 | 0.0 | 0.0 | 0.0 | 5.76 | 5.50 | 0.00 | 5.50 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 188 | 2.800 | 32.00 | 0.0 | 0.0 | 0.0 | 5.72 | 5.60 | 0.00 | 5.60 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 189 | 2.700 | 32.00 | 0.0 | 0.0 | 0.0 | 5.67 | 5.70 | 0.00 | 5.70 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 190 | 2.600 | 32.00 | 0.0 | 0.0 | 0.0 | 5.63 | 5.80 | 0.00 | 5.80 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 191 | 2.500 | 32.00 | 0.0 | 0.0 | 0.0 | 5.59 | 5.90 | 0.00 | 5.90 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 192 | 2.400 | 32.00 | 0.0 | 0.0 | 0.0 | 5.56 | 5.99 | 0.00 | 5.99 | 0.00 | 0.79 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 193 | 2.300 | 32.00 | 0.0 | 0.0 | 0.0 | 5.52 | 6.07 | 0.00 | 6.07 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 194 | 2.200 | 32.00 | 0.0 | 0.0 | 0.0 | 5.49 | 6.16 | 0.00 | 6.16 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 195 | 2.100 | 32.00 | 0.0 | 0.0 | 0.0 | 5.46 | 6.24 | 0.00 | 6.24 | 0.00 | 0.78 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 196 | 2.000 | 32.00 | 0.0 | 0.0 | 0.0 | 5.43 | 6.32 | 0.00 | 6.32 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 197 | 1.900 | 32.00 | 0.0 | 0.0 | 0.0 | 5.40 | 6.39 | 0.00 | 6.39 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 198 | 1.800 | 32.00 | 0.0 | 0.0 | 0.0 | 5.37 | 6.46 | 0.00 | 6.46 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 199 | 1.700 | 32.00 | 0.0 | 0.0 | 0.0 | 5.35 | 6.53 | 0.00 | 6.53 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 200 | 1.600 | 32.00 | 0.0 | 0.0 | 0.0 | 5.32 | 6.60 | 0.00 | 6.60 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 201 | 1.500 | 32.00 | 0.0 | 0.0 | 0.0 | 5.30 | 6.66 | 0.00 | 6.66 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 202 | 1.400 | 32.00 | 0.0 | 0.0 | 0.0 | 5.27 | 6.72 | 0.00 | 6.72 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 203 | 1.300 | 32.00 | 0.0 | 0.0 | 0.0 | 5.25 | 6.78 | 0.00 | 6.78 | 0.00 | 0.75 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 204 | 1.200 | 32.00 | 0.0 | 0.0 | 0.0 | 5.23 | 6.84 | 0.00 | 6.84 | 0.00 | 0.75 | 0.08 | 0.00 | 0.83 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 205 | 1.100 | 32.00 | 0.0 | 0.0 | 0.0 | 5.21 | 6.89 | 0.00 | 6.89 | 0.00 | 0.75 | 0.07 | 0.00 | 0.82 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 206 | 1.000 | 32.00 | 0.0 | 0.0 | 0.0 | 5.19 | 6.94 | 0.00 | 6.94 | 0.00 | 0.74 | 0.07 | 0.00 | 0.82 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 207 | 0.900 | 32.00 | 0.0 | 0.0 | 0.0 | 5.17 | 7.00 | 0.00 | 7.00 | 0.00 | 0.74 | 0.07 | 0.00 | 0.82 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 208 | 0.800 | 32.00 | 0.0 | 0.0 | 0.0 | 5.15 | 7.04 | 0.00 | 7.04 | 0.00 | 0.74 | 0.07 | 0.00 | 0.81 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 209 | 0.700 | 32.00 | 0.0 | 0.0 | 0.0 | 5.14 | 7.09 | 0.00 | 7.09 | 0.00 | 0.74 | 0.07 | 0.00 | 0.81 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 210 | 0.600 | 32.00 | 0.0 | 0.0 | 0.0 | 5.12 | 7.14 | 0.00 | 7.14 | 0.00 | 0.73 | 0.07 | 0.00 | 0.81 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 211 | 0.500 | 32.00 | 0.0 | 0.0 | 0.0 | 5.10 | 7.18 | 0.00 | 7.18 | 0.00 | 0.73 | 0.07 | 0.00 | 0.80 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 212 | 0.400 | 32.00 | 0.0 | 0.0 | 0.0 | 5.09 | 7.22 | 0.00 | 7.22 | 0.00 | 0.73 | 0.07 | 0.00 | 0.80 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 213 | 0.300 | 32.00 | 0.0 | 0.0 | 0.0 | 5.07 | 7.26 | 0.00 | 7.26 | 0.00 | 0.72 | 0.07 | 0.00 | 0.80 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 214 | 0.200 | 32.00 | 0.0 | 0.0 | 0.0 | 5.06 | 7.30 | 0.00 | 7.30 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 215 | 0.100 | 32.00 | 0.0 | 0.0 | 0.0 | 5.05 | 7.33 | 0.00 | 7.33 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 216 | 0.000 | 32.00 | 0.0 | 0.0 | 0.0 | 5.03 | 7.37 | 0.00 | 7.37 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: ICWWtoBlue
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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 1.300 | 32.00 | 0.0 | 0.0 | 0.0 | 7.76 | 2.71 | 0.00 | 2.71 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 167 | 1.200 | 32.00 | 0.0 | 0.0 | 0.0 | 7.60 | 2.86 | 0.00 | 2.86 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 168 | 1.100 | 32.00 | 0.0 | 0.0 | 0.0 | 7.45 | 3.00 | 0.00 | 3.00 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 169 | 1.000 | 32.00 | 0.0 | 0.0 | 0.0 | 7.31 | 3.13 | 0.00 | 3.13 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 170 | 0.900 | 32.00 | 0.0 | 0.0 | 0.0 | 7.18 | 3.26 | 0.00 | 3.26 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 171 | 0.800 | 32.00 | 0.0 | 0.0 | 0.0 | 7.06 | 3.38 | 0.00 | 3.38 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 172 | 0.700 | 32.00 | 0.0 | 0.0 | 0.0 | 6.94 | 3.50 | 0.00 | 3.50 | 0.00 | 0.86 | 0.08 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 173 | 0.600 | 32.00 | 0.0 | 0.0 | 0.0 | 6.83 | 3.61 | 0.00 | 3.61 | 0.00 | 0.86 | 0.08 | 0.00 | 0.94 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 174 | 0.500 | 32.00 | 0.0 | 0.0 | 0.0 | 6.73 | 3.71 | 0.00 | 3.71 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 175 | 0.400 | 32.00 | 0.0 | 0.0 | 0.0 | 6.64 | 3.81 | 0.00 | 3.81 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 176 | 0.300 | 32.00 | 0.0 | 0.0 | 0.0 | 6.55 | 3.91 | 0.00 | 3.91 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 177 | 0.200 | 32.00 | 0.0 | 0.0 | 0.0 | 6.46 | 4.00 | 0.00 | 4.00 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | 0.100 | 32.00 | 0.0 | 0.0 | 0.0 | 6.38 | 4.09 | 0.00 | 4.09 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 179 | 0.000 | 32.00 | 0.0 | 0.0 | 0.0 | 6.31 | 4.17 | 0.00 | 4.17 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

SPECIAL REPORT: BayouBlue#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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.100 | 7.40 | 3.84 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 20.000 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 19.900 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 19.800 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 19.700 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 19.600 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 19.500 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 19.400 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 19.300 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 19.200 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 19.100 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 19.000 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 18.900 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 18.800 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 18.700 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 18.600 | 7.39 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 18.500 | 7.39 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 18.400 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 18.300 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 18.200 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 18.100 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 18.000 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 17.900 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 17.800 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 17.700 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 17.600 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 17.500 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 17.400 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 17.300 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 17.200 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 17.100 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 17.000 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 16.900 | 7.38 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 16.800 | 7.38 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 16.700 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 16.600 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 16.500 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 16.400 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 16.300 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 16.200 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.100 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.000 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 15.900 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 15.800 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 15.700 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 15.600 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 15.500 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 15.400 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 15.300 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.200 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.100 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.000 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 14.900 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 14.800 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 14.700 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 14.600 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 14.500 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 14.400 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 14.300 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.200 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.100 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.000 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 13.900 | 7.37 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 13.800 | 7.37 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 13.700 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 13.600 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 13.500 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 13.400 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 13.300 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.200 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.100 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.000 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 12.900 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 12.800 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 12.700 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 12.600 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 12.500 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 12.400 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 12.300 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 12.200 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 12.100 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 12.000 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 11.900 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 11.800 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 11.700 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 11.600 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 11.500 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 11.400 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 11.300 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | 11.200 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 11.100 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 11.000 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 10.900 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 10.800 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 10.700 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 10.600 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 10.500 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 10.400 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 10.300 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.200 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.100 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.000 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 9.900 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 9.800 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 9.700 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 9.600 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 9.500 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 9.400 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 9.300 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.200 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.100 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.000 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 8.900 | 7.34 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 8.800 | 7.34 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 8.700 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 8.600 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 8.500 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 8.400 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 8.300 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 8.200 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 8.100 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 8.000 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 7.900 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.200 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 6.900 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 6.500 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | 6.200 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.100 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 7.30 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 3.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 3.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 3.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 3.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 3.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 3.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 3.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 2.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 2.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 2.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 2.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 2.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 2.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 2.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 2.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 2.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 2.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 1.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 1.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 1.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 1.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 1.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 1.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 1.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | 1.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 1.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 1.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 0.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 0.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 0.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 0.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 0.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 0.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 0.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 0.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 0.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 0.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

SPECIAL REPORT: ICWWtoBlue
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 | NH3 RATE | DENIT SRCE | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | 1/da | 1/da | 1/da | * | 1/da | * | ** | ** | 1/da | 1/da | 1/da | |
| 166 | 1.300 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 167 | 1.200 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 168 | 1.100 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 169 | 1.000 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 170 | 0.900 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 171 | 0.800 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 172 | 0.700 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 173 | 0.600 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 174 | 0.500 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 175 | 0.400 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 176 | 0.300 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 177 | 0.200 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 178 | 0.100 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 179 | 0.000 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |

SPECIAL REPORT: BayouBlue#1
HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST | ENDING DIST | FLOW VELO | ADVCTV | DEPTH | WIDTH | VOLUME | SURFACE AREA | X-SECT AREA | TIDAL PRISM | TIDAL VELO | DISPRSN | MEAN VELO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km | km | m³/s | m/s | m | m | m³ | m² | m² | m³ | m/s | m²/s | m/s |
| 1 | 20.20 | 20.10 | 0.3963 | 0.079 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.079 |
| 2 | 20.10 | 20.00 | 0.3966 | 0.079 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.079 |
| 3 | 20.00 | 19.90 | 0.3969 | 0.079 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.079 |
| 4 | 19.90 | 19.80 | 0.3972 | 0.079 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.079 |
| 5 | 19.80 | 19.70 | 0.3975 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 19.70 | 19.60 | 0.3978 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 7 | 19.60 | 19.50 | 0.3981 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 8 | 19.50 | 19.40 | 0.3984 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 9 | 19.40 | 19.30 | 0.3987 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 10 | 19.30 | 19.20 | 0.3990 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 11 | 19.20 | 19.10 | 0.3993 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 12 | 19.10 | 19.00 | 0.3996 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 13 | 19.00 | 18.90 | 0.3999 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 14 | 18.90 | 18.80 | 0.4002 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 15 | 18.80 | 18.70 | 0.4005 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 16 | 18.70 | 18.60 | 0.4008 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 17 | 18.60 | 18.50 | 0.4012 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 18 | 18.50 | 18.40 | 0.4015 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 19 | 18.40 | 18.30 | 0.4018 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 20 | 18.30 | 18.20 | 0.4021 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 21 | 18.20 | 18.10 | 0.4024 | 0.080 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.080 |
| 22 | 18.10 | 18.00 | 0.4027 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 23 | 18.00 | 17.90 | 0.4030 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 24 | 17.90 | 17.80 | 0.4033 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 25 | 17.80 | 17.70 | 0.4036 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 26 | 17.70 | 17.60 | 0.4039 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 27 | 17.60 | 17.50 | 0.4042 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 28 | 17.50 | 17.40 | 0.4045 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 29 | 17.40 | 17.30 | 0.4048 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 30 | 17.30 | 17.20 | 0.4051 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 31 | 17.20 | 17.10 | 0.4054 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 32 | 17.10 | 17.00 | 0.4057 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 33 | 17.00 | 16.90 | 0.4060 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 34 | 16.90 | 16.80 | 0.4063 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 35 | 16.80 | 16.70 | 0.4066 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 36 | 16.70 | 16.60 | 0.4069 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 37 | 16.60 | 16.50 | 0.4072 | 0.081 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.081 |
| 38 | 16.50 | 16.40 | 0.4075 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 39 | 16.40 | 16.30 | 0.4078 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 40 | 16.30 | 16.20 | 0.4081 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 41 | 16.20 | 16.10 | 0.4084 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 42 | 16.10 | 16.00 | 0.4087 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 43 | 16.00 | 15.90 | 0.4090 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 44 | 15.90 | 15.80 | 0.4093 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 45 | 15.80 | 15.70 | 0.4096 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 46 | 15.70 | 15.60 | 0.4099 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 47 | 15.60 | 15.50 | 0.4102 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 48 | 15.50 | 15.40 | 0.4105 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 49 | 15.40 | 15.30 | 0.4108 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 50 | 15.30 | 15.20 | 0.4112 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 51 | 15.20 | 15.10 | 0.4115 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 52 | 15.10 | 15.00 | 0.4118 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 53 | 15.00 | 14.90 | 0.4121 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 54 | 14.90 | 14.80 | 0.4124 | 0.082 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.082 |
| 55 | 14.80 | 14.70 | 0.4127 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 14.70 | 14.60 | 0.4130 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 57 | 14.60 | 14.50 | 0.4133 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 58 | 14.50 | 14.40 | 0.4136 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 59 | 14.40 | 14.30 | 0.4139 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 60 | 14.30 | 14.20 | 0.4142 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 61 | 14.20 | 14.10 | 0.4145 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 62 | 14.10 | 14.00 | 0.4148 | 0.083 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.083 |
| 63 | 14.00 | 13.90 | 0.0187 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 64 | 13.90 | 13.80 | 0.0190 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 65 | 13.80 | 13.70 | 0.0193 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 66 | 13.70 | 13.60 | 0.0196 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 67 | 13.60 | 13.50 | 0.0199 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 68 | 13.50 | 13.40 | 0.0202 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 69 | 13.40 | 13.30 | 0.0205 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 70 | 13.30 | 13.20 | 0.0208 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 71 | 13.20 | 13.10 | 0.0211 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 72 | 13.10 | 13.00 | 0.0214 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 73 | 13.00 | 12.90 | 0.0217 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 74 | 12.90 | 12.80 | 0.0220 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 75 | 12.80 | 12.70 | 0.0223 | 0.004 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.004 |
| 76 | 12.70 | 12.60 | 0.0227 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 77 | 12.60 | 12.50 | 0.0230 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 78 | 12.50 | 12.40 | 0.0233 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 79 | 12.40 | 12.30 | 0.0236 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 80 | 12.30 | 12.20 | 0.0239 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 81 | 12.20 | 12.10 | 0.0242 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 82 | 12.10 | 12.00 | 0.0245 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 83 | 12.00 | 11.90 | 0.0248 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 84 | 11.90 | 11.80 | 0.0251 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 85 | 11.80 | 11.70 | 0.0254 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 86 | 11.70 | 11.60 | 0.0257 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 87 | 11.60 | 11.50 | 0.0260 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 88 | 11.50 | 11.40 | 0.0263 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 89 | 11.40 | 11.30 | 0.0266 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 90 | 11.30 | 11.20 | 0.0269 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 91 | 11.20 | 11.10 | 0.0272 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 92 | 11.10 | 11.00 | 0.0275 | 0.005 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.005 |
| 93 | 11.00 | 10.90 | 0.0278 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 94 | 10.90 | 10.80 | 0.0281 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 95 | 10.80 | 10.70 | 0.0284 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 96 | 10.70 | 10.60 | 0.0287 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 97 | 10.60 | 10.50 | 0.0290 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 98 | 10.50 | 10.40 | 0.0293 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 99 | 10.40 | 10.30 | 0.0296 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 100 | 10.30 | 10.20 | 0.0299 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 101 | 10.20 | 10.10 | 0.0302 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 102 | 10.10 | 10.00 | 0.0305 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 103 | 10.00 | 9.90 | 0.0309 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 104 | 9.90 | 9.80 | 0.0312 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 105 | 9.80 | 9.70 | 0.0315 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106 | 9.70 | 9.60 | 0.0318 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 107 | 9.60 | 9.50 | 0.0321 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 108 | 9.50 | 9.40 | 0.0324 | 0.006 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.006 |
| 109 | 9.40 | 9.30 | 0.0328 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 110 | 9.30 | 9.20 | 0.0331 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 111 | 9.20 | 9.10 | 0.0334 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 112 | 9.10 | 9.00 | 0.0337 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 113 | 9.00 | 8.90 | 0.0340 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 114 | 8.90 | 8.80 | 0.0343 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 115 | 8.80 | 8.70 | 0.0346 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 116 | 8.70 | 8.60 | 0.0349 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 117 | 8.60 | 8.50 | 0.0352 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 118 | 8.50 | 8.40 | 0.0355 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 119 | 8.40 | 8.30 | 0.0360 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 120 | 8.30 | 8.20 | 0.0363 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 121 | 8.20 | 8.10 | 0.0366 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 122 | 8.10 | 8.00 | 0.0369 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 123 | 8.00 | 7.90 | 0.0372 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 124 | 7.90 | 7.80 | 0.0375 | 0.007 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.007 |
| 125 | 7.80 | 7.70 | 0.0378 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 126 | 7.70 | 7.60 | 0.0381 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 127 | 7.60 | 7.50 | 0.0384 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 128 | 7.50 | 7.40 | 0.0387 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 129 | 7.40 | 7.30 | 0.0390 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 130 | 7.30 | 7.20 | 0.0393 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 131 | 7.20 | 7.10 | 0.0396 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 132 | 7.10 | 7.00 | 0.0399 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 133 | 7.00 | 6.90 | 0.0402 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 134 | 6.90 | 6.80 | 0.0405 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 135 | 6.80 | 6.70 | 0.0408 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 136 | 6.70 | 6.60 | 0.0411 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 137 | 6.60 | 6.50 | 0.0414 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 138 | 6.50 | 6.40 | 0.0417 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 139 | 6.40 | 6.30 | 0.0420 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 140 | 6.30 | 6.20 | 0.0423 | 0.008 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.008 |
| 141 | 6.20 | 6.10 | 0.0426 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 142 | 6.10 | 6.00 | 0.0429 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 143 | 6.00 | 5.90 | 0.0432 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 144 | 5.90 | 5.80 | 0.0435 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 145 | 5.80 | 5.70 | 0.0438 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 146 | 5.70 | 5.60 | 0.0441 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 147 | 5.60 | 5.50 | 0.0444 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 148 | 5.50 | 5.40 | 0.0447 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 149 | 5.40 | 5.30 | 0.0450 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 150 | 5.30 | 5.20 | 0.0453 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 151 | 5.20 | 5.10 | 0.0456 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 152 | 5.10 | 5.00 | 0.0460 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 153 | 5.00 | 4.90 | 0.0463 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 154 | 4.90 | 4.80 | 0.0466 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 155 | 4.80 | 4.70 | 0.0469 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 156 | 4.70 | 4.60 | 0.0472 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 157 | 4.60 | 4.50 | 0.0475 | 0.009 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.009 |
| 158 | 4.50 | 4.40 | 0.0478 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 159 | 4.40 | 4.30 | 0.0481 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 160 | 4.30 | 4.20 | 0.0484 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 161 | 4.20 | 4.10 | 0.0487 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 162 | 4.10 | 4.00 | 0.0490 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 163 | 4.00 | 3.90 | 0.0493 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 164 | 3.90 | 3.80 | 0.0496 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 165 | 3.80 | 3.70 | 0.0499 | 0.010 | 0.50 | 10.0 | 500. | 1000.0 | 5.0 | 0. | 0.000 | 0.000 | 0.010 |
| 180 | 3.70 | 3.60 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 181 | 3.60 | 3.50 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 182 | 3.50 | 3.40 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 183 | 3.40 | 3.30 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 184 | 3.30 | 3.20 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 185 | 3.20 | 3.10 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 186 | 3.10 | 3.00 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 187 | 3.00 | 2.90 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 188 | 2.90 | 2.80 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 189 | 2.80 | 2.70 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 190 | 2.70 | 2.60 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 191 | 2.60 | 2.50 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 192 | 2.50 | 2.40 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 193 | 2.40 | 2.30 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 194 | 2.30 | 2.20 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 195 | 2.20 | 2.10 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 196 | 2.10 | 2.00 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 197 | 2.00 | 1.90 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 198 | 1.90 | 1.80 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 199 | 1.80 | 1.70 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 200 | 1.70 | 1.60 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 201 | 1.60 | 1.50 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 202 | 1.50 | 1.40 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 203 | 1.40 | 1.30 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 204 | 1.30 | 1.20 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 205 | 1.20 | 1.10 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 206 | 1.10 | 1.00 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 207 | 1.00 | 0.90 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 208 | 0.90 | 0.80 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 209 | 0.80 | 0.70 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 210 | 0.70 | 0.60 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 211 | 0.60 | 0.50 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 212 | 0.50 | 0.40 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 213 | 0.40 | 0.30 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 214 | 0.30 | 0.20 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 215 | 0.20 | 0.10 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |
| 216 | 0.10 | 0.00 | 0.4459 | 0.008 | 0.90 | 65.5 | 5895. | 6550.0 | 58.9 | 0. | 0.000 | 0.000 | 0.008 |

SPECIAL REPORT: ICWWtoBlue

HYDRAULIC PARAMETER VALUES

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | ADVCTV VELO m/s | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | TIDAL DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 1.40 | 1.30 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 167 | 1.30 | 1.20 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 168 | 1.20 | 1.10 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 169 | 1.10 | 1.00 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 170 | 1.00 | 0.90 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 171 | 0.90 | 0.80 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 172 | 0.80 | 0.70 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 173 | 0.70 | 0.60 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 174 | 0.60 | 0.50 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 175 | 0.50 | 0.40 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 176 | 0.40 | 0.30 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 177 | 0.30 | 0.20 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 178 | 0.20 | 0.10 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |
| 179 | 0.10 | 0.00 | 0.3960 | 0.006 | 1.40 | 44.0 | 6160. | 4400.0 | 61.6 | 0. | 0.000 | 0.000 | 0.006 |

FINAL REPORT BayouBlue#1 LA-QUAL calibration for Bayou Blue
REACH NO. 1 BayouBlue#1 FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.39600 | 31.20 | 0.00 | 0.00 | 0.00 | 7.78 | 3.80 | 0.00 | 3.80 | 0.00 | 1.01 | 0.09 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00030 | 30.90 | 0.00 | 0.00 | 0.00 | 7.78 | 3.80 | 0.00 | | | 1.01 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 63 | WSTLD | -0.39638 | 31.51 | 0.00 | 0.00 | 0.00 | 6.79 | 4.58 | 0.00 | 4.58 | 0.00 | 0.99 | 0.09 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| 103 | WSTLD | 0.00010 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | WSTLD | 0.00017 | 31.20 | 0.00 | 0.00 | 0.00 | 5.00 | 45.00 | 0.00 | 45.00 | 0.00 | 1.40 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | TIDAL DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.20 | 20.10 | 0.39630 | 0.0 | 0.07926 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.079 |
| 2 | 20.10 | 20.00 | 0.39661 | 0.0 | 0.07932 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.079 |
| 3 | 20.00 | 19.90 | 0.39691 | 0.0 | 0.07938 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.079 |
| 4 | 19.90 | 19.80 | 0.39721 | 0.0 | 0.07944 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.079 |
| 5 | 19.80 | 19.70 | 0.39752 | 0.0 | 0.07950 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 6 | 19.70 | 19.60 | 0.39782 | 0.0 | 0.07956 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 19.60 | 19.50 | 0.39812 | 0.0 | 0.07962 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 8 | 19.50 | 19.40 | 0.39842 | 0.0 | 0.07968 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 9 | 19.40 | 19.30 | 0.39873 | 0.0 | 0.07975 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 10 | 19.30 | 19.20 | 0.39903 | 0.0 | 0.07981 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 11 | 19.20 | 19.10 | 0.39933 | 0.0 | 0.07987 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 12 | 19.10 | 19.00 | 0.39964 | 0.0 | 0.07993 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 13 | 19.00 | 18.90 | 0.39994 | 0.0 | 0.07999 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 14 | 18.90 | 18.80 | 0.40024 | 0.0 | 0.08005 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 15 | 18.80 | 18.70 | 0.40055 | 0.0 | 0.08011 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 16 | 18.70 | 18.60 | 0.40085 | 0.0 | 0.08017 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 17 | 18.60 | 18.50 | 0.40115 | 0.0 | 0.08023 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 18 | 18.50 | 18.40 | 0.40145 | 0.0 | 0.08029 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 19 | 18.40 | 18.30 | 0.40176 | 0.0 | 0.08035 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 20 | 18.30 | 18.20 | 0.40206 | 0.0 | 0.08041 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 21 | 18.20 | 18.10 | 0.40236 | 0.0 | 0.08047 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.080 |
| 22 | 18.10 | 18.00 | 0.40267 | 0.0 | 0.08053 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 23 | 18.00 | 17.90 | 0.40297 | 0.0 | 0.08059 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 24 | 17.90 | 17.80 | 0.40327 | 0.0 | 0.08065 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 25 | 17.80 | 17.70 | 0.40358 | 0.0 | 0.08072 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 26 | 17.70 | 17.60 | 0.40388 | 0.0 | 0.08078 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 27 | 17.60 | 17.50 | 0.40418 | 0.0 | 0.08084 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 28 | 17.50 | 17.40 | 0.40448 | 0.0 | 0.08090 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 29 | 17.40 | 17.30 | 0.40479 | 0.0 | 0.08096 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 30 | 17.30 | 17.20 | 0.40509 | 0.0 | 0.08102 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 31 | 17.20 | 17.10 | 0.40539 | 0.0 | 0.08108 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 32 | 17.10 | 17.00 | 0.40570 | 0.0 | 0.08114 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 33 | 17.00 | 16.90 | 0.40600 | 0.0 | 0.08120 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 34 | 16.90 | 16.80 | 0.40630 | 0.0 | 0.08126 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 35 | 16.80 | 16.70 | 0.40661 | 0.0 | 0.08132 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 36 | 16.70 | 16.60 | 0.40691 | 0.0 | 0.08138 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 37 | 16.60 | 16.50 | 0.40721 | 0.0 | 0.08144 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.081 |
| 38 | 16.50 | 16.40 | 0.40752 | 0.0 | 0.08150 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 39 | 16.40 | 16.30 | 0.40782 | 0.0 | 0.08156 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 40 | 16.30 | 16.20 | 0.40812 | 0.0 | 0.08162 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 41 | 16.20 | 16.10 | 0.40842 | 0.0 | 0.08168 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 42 | 16.10 | 16.00 | 0.40873 | 0.0 | 0.08175 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 43 | 16.00 | 15.90 | 0.40903 | 0.0 | 0.08181 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 44 | 15.90 | 15.80 | 0.40933 | 0.0 | 0.08187 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 45 | 15.80 | 15.70 | 0.40964 | 0.0 | 0.08193 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 46 | 15.70 | 15.60 | 0.40994 | 0.0 | 0.08199 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 47 | 15.60 | 15.50 | 0.41024 | 0.0 | 0.08205 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 48 | 15.50 | 15.40 | 0.41055 | 0.0 | 0.08211 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 49 | 15.40 | 15.30 | 0.41085 | 0.0 | 0.08217 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 50 | 15.30 | 15.20 | 0.41115 | 0.0 | 0.08223 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 51 | 15.20 | 15.10 | 0.41145 | 0.0 | 0.08229 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 52 | 15.10 | 15.00 | 0.41176 | 0.0 | 0.08235 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 53 | 15.00 | 14.90 | 0.41206 | 0.0 | 0.08241 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 54 | 14.90 | 14.80 | 0.41236 | 0.0 | 0.08247 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.082 |
| 55 | 14.80 | 14.70 | 0.41267 | 0.0 | 0.08253 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 56 | 14.70 | 14.60 | 0.41297 | 0.0 | 0.08259 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 14.60 | 14.50 | 0.41327 | 0.0 | 0.08265 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 58 | 14.50 | 14.40 | 0.41358 | 0.0 | 0.08272 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 59 | 14.40 | 14.30 | 0.41388 | 0.0 | 0.08278 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 60 | 14.30 | 14.20 | 0.41418 | 0.0 | 0.08284 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 61 | 14.20 | 14.10 | 0.41448 | 0.0 | 0.08290 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 62 | 14.10 | 14.00 | 0.41479 | 0.0 | 0.08296 | 0.01 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.083 |
| 63 | 14.00 | 13.90 | 0.01871 | 0.0 | 0.00374 | 0.31 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 64 | 13.90 | 13.80 | 0.01901 | 0.0 | 0.00380 | 0.30 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 65 | 13.80 | 13.70 | 0.01932 | 0.0 | 0.00386 | 0.30 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 66 | 13.70 | 13.60 | 0.01962 | 0.0 | 0.00392 | 0.29 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 67 | 13.60 | 13.50 | 0.01992 | 0.0 | 0.00398 | 0.29 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 68 | 13.50 | 13.40 | 0.02023 | 0.0 | 0.00405 | 0.29 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 69 | 13.40 | 13.30 | 0.02053 | 0.0 | 0.00411 | 0.28 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 70 | 13.30 | 13.20 | 0.02083 | 0.0 | 0.00417 | 0.28 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 71 | 13.20 | 13.10 | 0.02114 | 0.0 | 0.00423 | 0.27 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 72 | 13.10 | 13.00 | 0.02144 | 0.0 | 0.00429 | 0.27 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 73 | 13.00 | 12.90 | 0.02174 | 0.0 | 0.00435 | 0.27 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 74 | 12.90 | 12.80 | 0.02204 | 0.0 | 0.00441 | 0.26 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 75 | 12.80 | 12.70 | 0.02235 | 0.0 | 0.00447 | 0.26 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.004 |
| 76 | 12.70 | 12.60 | 0.02265 | 0.0 | 0.00453 | 0.26 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 77 | 12.60 | 12.50 | 0.02295 | 0.0 | 0.00459 | 0.25 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 78 | 12.50 | 12.40 | 0.02326 | 0.0 | 0.00465 | 0.25 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 79 | 12.40 | 12.30 | 0.02356 | 0.0 | 0.00471 | 0.25 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 80 | 12.30 | 12.20 | 0.02386 | 0.0 | 0.00477 | 0.24 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 81 | 12.20 | 12.10 | 0.02417 | 0.0 | 0.00483 | 0.24 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 82 | 12.10 | 12.00 | 0.02447 | 0.0 | 0.00489 | 0.24 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 83 | 12.00 | 11.90 | 0.02477 | 0.0 | 0.00495 | 0.23 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 84 | 11.90 | 11.80 | 0.02507 | 0.0 | 0.00501 | 0.23 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 85 | 11.80 | 11.70 | 0.02538 | 0.0 | 0.00508 | 0.23 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 86 | 11.70 | 11.60 | 0.02568 | 0.0 | 0.00514 | 0.23 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 87 | 11.60 | 11.50 | 0.02598 | 0.0 | 0.00520 | 0.22 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 88 | 11.50 | 11.40 | 0.02629 | 0.0 | 0.00526 | 0.22 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 89 | 11.40 | 11.30 | 0.02659 | 0.0 | 0.00532 | 0.22 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 90 | 11.30 | 11.20 | 0.02689 | 0.0 | 0.00538 | 0.22 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 91 | 11.20 | 11.10 | 0.02720 | 0.0 | 0.00544 | 0.21 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 92 | 11.10 | 11.00 | 0.02750 | 0.0 | 0.00550 | 0.21 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.005 |
| 93 | 11.00 | 10.90 | 0.02780 | 0.0 | 0.00556 | 0.21 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 94 | 10.90 | 10.80 | 0.02810 | 0.0 | 0.00562 | 0.21 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 95 | 10.80 | 10.70 | 0.02841 | 0.0 | 0.00568 | 0.20 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 96 | 10.70 | 10.60 | 0.02871 | 0.0 | 0.00574 | 0.20 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 97 | 10.60 | 10.50 | 0.02901 | 0.0 | 0.00580 | 0.20 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 98 | 10.50 | 10.40 | 0.02932 | 0.0 | 0.00586 | 0.20 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 99 | 10.40 | 10.30 | 0.02962 | 0.0 | 0.00592 | 0.20 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 100 | 10.30 | 10.20 | 0.02992 | 0.0 | 0.00598 | 0.19 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 101 | 10.20 | 10.10 | 0.03023 | 0.0 | 0.00605 | 0.19 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 102 | 10.10 | 10.00 | 0.03053 | 0.0 | 0.00611 | 0.19 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 103 | 10.00 | 9.90 | 0.03093 | 0.3 | 0.00619 | 0.19 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 104 | 9.90 | 9.80 | 0.03124 | 0.3 | 0.00625 | 0.19 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 105 | 9.80 | 9.70 | 0.03154 | 0.3 | 0.00631 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 106 | 9.70 | 9.60 | 0.03184 | 0.3 | 0.00637 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | 9.60 | 9.50 | 0.03214 | 0.3 | 0.00643 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 108 | 9.50 | 9.40 | 0.03245 | 0.3 | 0.00649 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.006 |
| 109 | 9.40 | 9.30 | 0.03275 | 0.3 | 0.00655 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 110 | 9.30 | 9.20 | 0.03305 | 0.3 | 0.00661 | 0.18 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 111 | 9.20 | 9.10 | 0.03336 | 0.3 | 0.00667 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 112 | 9.10 | 9.00 | 0.03366 | 0.3 | 0.00673 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 113 | 9.00 | 8.90 | 0.03396 | 0.3 | 0.00679 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 114 | 8.90 | 8.80 | 0.03427 | 0.3 | 0.00685 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 115 | 8.80 | 8.70 | 0.03457 | 0.3 | 0.00691 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 116 | 8.70 | 8.60 | 0.03487 | 0.3 | 0.00697 | 0.17 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 117 | 8.60 | 8.50 | 0.03517 | 0.3 | 0.00703 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 118 | 8.50 | 8.40 | 0.03548 | 0.3 | 0.00710 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 119 | 8.40 | 8.30 | 0.03595 | 0.8 | 0.00719 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 120 | 8.30 | 8.20 | 0.03625 | 0.7 | 0.00725 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 121 | 8.20 | 8.10 | 0.03656 | 0.7 | 0.00731 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 122 | 8.10 | 8.00 | 0.03686 | 0.7 | 0.00737 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 123 | 8.00 | 7.90 | 0.03716 | 0.7 | 0.00743 | 0.16 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 124 | 7.90 | 7.80 | 0.03747 | 0.7 | 0.00749 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.007 |
| 125 | 7.80 | 7.70 | 0.03777 | 0.7 | 0.00755 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 126 | 7.70 | 7.60 | 0.03807 | 0.7 | 0.00761 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 127 | 7.60 | 7.50 | 0.03837 | 0.7 | 0.00767 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 128 | 7.50 | 7.40 | 0.03868 | 0.7 | 0.00774 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 129 | 7.40 | 7.30 | 0.03898 | 0.7 | 0.00780 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 130 | 7.30 | 7.20 | 0.03928 | 0.7 | 0.00786 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 131 | 7.20 | 7.10 | 0.03959 | 0.7 | 0.00792 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 132 | 7.10 | 7.00 | 0.03989 | 0.7 | 0.00798 | 0.15 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 133 | 7.00 | 6.90 | 0.04019 | 0.7 | 0.00804 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 134 | 6.90 | 6.80 | 0.04050 | 0.7 | 0.00810 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 135 | 6.80 | 6.70 | 0.04080 | 0.7 | 0.00816 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 136 | 6.70 | 6.60 | 0.04110 | 0.7 | 0.00822 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 137 | 6.60 | 6.50 | 0.04141 | 0.7 | 0.00828 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 138 | 6.50 | 6.40 | 0.04171 | 0.6 | 0.00834 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 139 | 6.40 | 6.30 | 0.04201 | 0.6 | 0.00840 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 140 | 6.30 | 6.20 | 0.04231 | 0.6 | 0.00846 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.008 |
| 141 | 6.20 | 6.10 | 0.04262 | 0.6 | 0.00852 | 0.14 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 142 | 6.10 | 6.00 | 0.04292 | 0.6 | 0.00858 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 143 | 6.00 | 5.90 | 0.04322 | 0.6 | 0.00864 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 144 | 5.90 | 5.80 | 0.04353 | 0.6 | 0.00871 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 145 | 5.80 | 5.70 | 0.04383 | 0.6 | 0.00877 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 146 | 5.70 | 5.60 | 0.04413 | 0.6 | 0.00883 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 147 | 5.60 | 5.50 | 0.04444 | 0.6 | 0.00889 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 148 | 5.50 | 5.40 | 0.04474 | 0.6 | 0.00895 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 149 | 5.40 | 5.30 | 0.04504 | 0.6 | 0.00901 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 150 | 5.30 | 5.20 | 0.04534 | 0.6 | 0.00907 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 151 | 5.20 | 5.10 | 0.04565 | 0.6 | 0.00913 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 152 | 5.10 | 5.00 | 0.04595 | 0.6 | 0.00919 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 153 | 5.00 | 4.90 | 0.04625 | 0.6 | 0.00925 | 0.13 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 154 | 4.90 | 4.80 | 0.04656 | 0.6 | 0.00931 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 155 | 4.80 | 4.70 | 0.04686 | 0.6 | 0.00937 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 156 | 4.70 | 4.60 | 0.04716 | 0.6 | 0.00943 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | 4.60 | 4.50 | 0.04747 | 0.6 | 0.00949 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.009 |
| 158 | 4.50 | 4.40 | 0.04777 | 0.6 | 0.00955 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 159 | 4.40 | 4.30 | 0.04807 | 0.6 | 0.00961 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 160 | 4.30 | 4.20 | 0.04837 | 0.6 | 0.00967 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 161 | 4.20 | 4.10 | 0.04868 | 0.6 | 0.00974 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 162 | 4.10 | 4.00 | 0.04898 | 0.6 | 0.00980 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 163 | 4.00 | 3.90 | 0.04928 | 0.5 | 0.00986 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 164 | 3.90 | 3.80 | 0.04959 | 0.5 | 0.00992 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| 165 | 3.80 | 3.70 | 0.04989 | 0.5 | 0.00998 | 0.12 | 0.50 | 10.00 | 500.00 | 1000.00 | 5.00 | 0.00 | 0.000 | 0.000 | 0.010 |
| TOT | | | | | 19.67 | | | | 82500.00 | 165000.00 | | | | | |
| AVG | | | | | 0.0097 | | 0.50 | 10.00 | | | 5.00 | | | | |
| CUM | | | | | 19.67 | | | | | | | | | | |

********** 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 ** | ORGN DECAY ** | NH3 SRCE 1/da | NH3 RATE 1/da | DENIT SRCE * | PO4 PROD | ALG PROD | MAC DECAY | COLI DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.100 | 7.40 | 3.84 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 20.000 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 19.900 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 19.800 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 19.700 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 19.600 | 7.40 | 3.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 19.500 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 19.400 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 | 1.01 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 19.300 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 19.200 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 19.100 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 19.000 | 7.40 | 3.86 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 18.900 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 18.800 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.02 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 18.700 | 7.40 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 18.600 | 7.39 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 18.500 | 7.39 | 3.87 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 18.400 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 18.300 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 18.200 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 18.100 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 18.000 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 17.900 | 7.39 | 3.88 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 17.800 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 17.700 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 17.600 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 17.500 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 17.400 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 17.300 | 7.39 | 3.89 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 17.200 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 17.100 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 17.000 | 7.39 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 16.900 | 7.38 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 16.800 | 7.38 | 3.90 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 16.700 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 16.600 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 16.500 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 16.400 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 16.300 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 16.200 | 7.38 | 3.91 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 16.100 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 1.02 | 1.02 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 16.000 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 15.900 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 15.800 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 15.700 | 7.38 | 3.92 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 15.600 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 15.500 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 15.400 | 7.38 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 15.300 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 15.200 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 15.100 | 7.37 | 3.93 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 15.000 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 14.900 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 14.800 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 14.700 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 14.600 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 14.500 | 7.37 | 3.94 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 14.400 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 14.300 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 14.200 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 14.100 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 14.000 | 7.37 | 3.95 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 13.900 | 7.37 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 13.800 | 7.37 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 13.700 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 13.600 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 13.500 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 13.400 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 13.300 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 13.200 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 13.100 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 13.000 | 7.36 | 1.73 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 | 1.03 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 12.900 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 12.800 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 12.700 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 12.600 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 12.500 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 12.400 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 12.300 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 12.200 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 12.100 | 7.36 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 12.000 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 11.900 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 11.800 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 11.700 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 11.600 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 11.500 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 11.400 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 11.300 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 11.200 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 11.100 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 11.000 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 10.900 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 10.800 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 10.700 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 10.600 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 10.500 | 7.35 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 10.400 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 10.300 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 10.200 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 10.100 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 10.000 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 9.900 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 9.800 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.04 | 1.04 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 9.700 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 9.600 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 9.500 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 9.400 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 9.300 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 9.200 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 9.100 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 9.000 | 7.34 | 1.73 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 8.900 | 7.34 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 8.800 | 7.34 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 8.700 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 8.600 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 8.500 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 8.400 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 8.300 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 8.200 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 8.100 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 8.000 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 7.900 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 130 | 7.200 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 7.33 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 6.900 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.05 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 6.500 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.200 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.100 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 7.32 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 7.31 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 7.30 | 1.74 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 2.06 0.15 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

| ELEM NO. | ENDING DIST | TEMP DEG C | SALN PPT | CM-I | CM-II mg/L | DO mg/L | BOD#1 mg/L | BOD#2 mg/L | EBOD#1 mg/L | EBOD#2 mg/L | ORGN mg/L | NH3 mg/L | NO3+2 µg/L | TOTN g/m³ | PHOS | CHL A | MACRO | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.100 | 31.20 | 0.00 | 0.00 | 0.00 | 7.73 | 3.81 | 0.00 | 3.81 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 2 | 20.000 | 31.21 | 0.00 | 0.00 | 0.00 | 7.68 | 3.83 | 0.00 | 3.83 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 3 | 19.900 | 31.21 | 0.00 | 0.00 | 0.00 | 7.64 | 3.84 | 0.00 | 3.84 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 19.800 | 31.22 | 0.00 | 0.00 | 0.00 | 7.59 | 3.86 | 0.00 | 3.86 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 5 | 19.700 | 31.22 | 0.00 | 0.00 | 0.00 | 7.55 | 3.87 | 0.00 | 3.87 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 6 | 19.600 | 31.23 | 0.00 | 0.00 | 0.00 | 7.51 | 3.89 | 0.00 | 3.89 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 7 | 19.500 | 31.23 | 0.00 | 0.00 | 0.00 | 7.48 | 3.90 | 0.00 | 3.90 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 8 | 19.400 | 31.24 | 0.00 | 0.00 | 0.00 | 7.44 | 3.91 | 0.00 | 3.91 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 9 | 19.300 | 31.24 | 0.00 | 0.00 | 0.00 | 7.41 | 3.93 | 0.00 | 3.93 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 10 | 19.200 | 31.25 | 0.00 | 0.00 | 0.00 | 7.38 | 3.94 | 0.00 | 3.94 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 11 | 19.100 | 31.25 | 0.00 | 0.00 | 0.00 | 7.35 | 3.96 | 0.00 | 3.96 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 12 | 19.000 | 31.26 | 0.00 | 0.00 | 0.00 | 7.32 | 3.97 | 0.00 | 3.97 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 13 | 18.900 | 31.26 | 0.00 | 0.00 | 0.00 | 7.29 | 3.98 | 0.00 | 3.98 | 0.00 | 1.01 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 14 | 18.800 | 31.27 | 0.00 | 0.00 | 0.00 | 7.27 | 4.00 | 0.00 | 4.00 | 0.00 | 1.00 | 0.09 | 0.00 | 1.10 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 15 | 18.700 | 31.27 | 0.00 | 0.00 | 0.00 | 7.24 | 4.01 | 0.00 | 4.01 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 16 | 18.600 | 31.28 | 0.00 | 0.00 | 0.00 | 7.22 | 4.02 | 0.00 | 4.02 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 17 | 18.500 | 31.28 | 0.00 | 0.00 | 0.00 | 7.20 | 4.04 | 0.00 | 4.04 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 18 | 18.400 | 31.29 | 0.00 | 0.00 | 0.00 | 7.18 | 4.05 | 0.00 | 4.05 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 19 | 18.300 | 31.29 | 0.00 | 0.00 | 0.00 | 7.16 | 4.06 | 0.00 | 4.06 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 20 | 18.200 | 31.30 | 0.00 | 0.00 | 0.00 | 7.14 | 4.08 | 0.00 | 4.08 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 21 | 18.100 | 31.30 | 0.00 | 0.00 | 0.00 | 7.12 | 4.09 | 0.00 | 4.09 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 22 | 18.000 | 31.31 | 0.00 | 0.00 | 0.00 | 7.11 | 4.10 | 0.00 | 4.10 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 23 | 17.900 | 31.31 | 0.00 | 0.00 | 0.00 | 7.09 | 4.11 | 0.00 | 4.11 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 24 | 17.800 | 31.32 | 0.00 | 0.00 | 0.00 | 7.08 | 4.13 | 0.00 | 4.13 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 25 | 17.700 | 31.32 | 0.00 | 0.00 | 0.00 | 7.06 | 4.14 | 0.00 | 4.14 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 26 | 17.600 | 31.33 | 0.00 | 0.00 | 0.00 | 7.05 | 4.15 | 0.00 | 4.15 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 27 | 17.500 | 31.33 | 0.00 | 0.00 | 0.00 | 7.03 | 4.17 | 0.00 | 4.17 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 28 | 17.400 | 31.34 | 0.00 | 0.00 | 0.00 | 7.02 | 4.18 | 0.00 | 4.18 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 29 | 17.300 | 31.34 | 0.00 | 0.00 | 0.00 | 7.01 | 4.19 | 0.00 | 4.19 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 30 | 17.200 | 31.35 | 0.00 | 0.00 | 0.00 | 7.00 | 4.20 | 0.00 | 4.20 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 31 | 17.100 | 31.35 | 0.00 | 0.00 | 0.00 | 6.99 | 4.22 | 0.00 | 4.22 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 32 | 17.000 | 31.36 | 0.00 | 0.00 | 0.00 | 6.98 | 4.23 | 0.00 | 4.23 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 33 | 16.900 | 31.36 | 0.00 | 0.00 | 0.00 | 6.97 | 4.24 | 0.00 | 4.24 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 34 | 16.800 | 31.36 | 0.00 | 0.00 | 0.00 | 6.96 | 4.25 | 0.00 | 4.25 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 35 | 16.700 | 31.37 | 0.00 | 0.00 | 0.00 | 6.95 | 4.26 | 0.00 | 4.26 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 36 | 16.600 | 31.37 | 0.00 | 0.00 | 0.00 | 6.94 | 4.28 | 0.00 | 4.28 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 37 | 16.500 | 31.38 | 0.00 | 0.00 | 0.00 | 6.93 | 4.29 | 0.00 | 4.29 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 38 | 16.400 | 31.38 | 0.00 | 0.00 | 0.00 | 6.93 | 4.30 | 0.00 | 4.30 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 39 | 16.300 | 31.39 | 0.00 | 0.00 | 0.00 | 6.92 | 4.31 | 0.00 | 4.31 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 40 | 16.200 | 31.39 | 0.00 | 0.00 | 0.00 | 6.91 | 4.32 | 0.00 | 4.32 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 41 | 16.100 | 31.40 | 0.00 | 0.00 | 0.00 | 6.91 | 4.34 | 0.00 | 4.34 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 42 | 16.000 | 31.40 | 0.00 | 0.00 | 0.00 | 6.90 | 4.35 | 0.00 | 4.35 | 0.00 | 1.00 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 43 | 15.900 | 31.41 | 0.00 | 0.00 | 0.00 | 6.89 | 4.36 | 0.00 | 4.36 | 0.00 | 0.99 | 0.09 | 0.00 | 1.09 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 44 | 15.800 | 31.41 | 0.00 | 0.00 | 0.00 | 6.89 | 4.37 | 0.00 | 4.37 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 45 | 15.700 | 31.42 | 0.00 | 0.00 | 0.00 | 6.88 | 4.38 | 0.00 | 4.38 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 46 | 15.600 | 31.42 | 0.00 | 0.00 | 0.00 | 6.88 | 4.39 | 0.00 | 4.39 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 47 | 15.500 | 31.43 | 0.00 | 0.00 | 0.00 | 6.87 | 4.40 | 0.00 | 4.40 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 48 | 15.400 | 31.43 | 0.00 | 0.00 | 0.00 | 6.87 | 4.42 | 0.00 | 4.42 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 49 | 15.300 | 31.44 | 0.00 | 0.00 | 0.00 | 6.86 | 4.43 | 0.00 | 4.43 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 50 | 15.200 | 31.44 | 0.00 | 0.00 | 0.00 | 6.86 | 4.44 | 0.00 | 4.44 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 51 | 15.100 | 31.45 | 0.00 | 0.00 | 0.00 | 6.85 | 4.45 | 0.00 | 4.45 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 52 | 15.000 | 31.45 | 0.00 | 0.00 | 0.00 | 6.85 | 4.46 | 0.00 | 4.46 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 53 | 14.900 | 31.46 | 0.00 | 0.00 | 0.00 | 6.84 | 4.47 | 0.00 | 4.47 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 14.800 | 31.46 | 0.00 | 0.00 | 0.00 | 6.84 | 4.48 | 0.00 | 4.48 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 55 | 14.700 | 31.47 | 0.00 | 0.00 | 0.00 | 6.84 | 4.49 | 0.00 | 4.49 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 56 | 14.600 | 31.47 | 0.00 | 0.00 | 0.00 | 6.83 | 4.50 | 0.00 | 4.50 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 57 | 14.500 | 31.48 | 0.00 | 0.00 | 0.00 | 6.83 | 4.51 | 0.00 | 4.51 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 58 | 14.400 | 31.48 | 0.00 | 0.00 | 0.00 | 6.83 | 4.53 | 0.00 | 4.53 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 59 | 14.300 | 31.49 | 0.00 | 0.00 | 0.00 | 6.82 | 4.54 | 0.00 | 4.54 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 60 | 14.200 | 31.49 | 0.00 | 0.00 | 0.00 | 6.82 | 4.55 | 0.00 | 4.55 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 61 | 14.100 | 31.50 | 0.00 | 0.00 | 0.00 | 6.82 | 4.56 | 0.00 | 4.56 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 62 | 14.000 | 31.50 | 0.00 | 0.00 | 0.00 | 6.81 | 4.57 | 0.00 | 4.57 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 63 | 13.900 | 31.51 | 0.00 | 0.00 | 0.00 | 6.79 | 4.58 | 0.00 | 4.58 | 0.00 | 0.99 | 0.09 | 0.00 | 1.08 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 64 | 13.800 | 31.51 | 0.00 | 0.00 | 0.00 | 6.50 | 4.79 | 0.00 | 4.79 | 0.00 | 0.98 | 0.09 | 0.00 | 1.07 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 65 | 13.700 | 31.52 | 0.00 | 0.00 | 0.00 | 6.30 | 4.98 | 0.00 | 4.98 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 66 | 13.600 | 31.52 | 0.00 | 0.00 | 0.00 | 6.17 | 5.15 | 0.00 | 5.15 | 0.00 | 0.97 | 0.09 | 0.00 | 1.06 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 67 | 13.500 | 31.52 | 0.00 | 0.00 | 0.00 | 6.07 | 5.30 | 0.00 | 5.30 | 0.00 | 0.96 | 0.09 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 68 | 13.400 | 31.53 | 0.00 | 0.00 | 0.00 | 6.01 | 5.44 | 0.00 | 5.44 | 0.00 | 0.95 | 0.09 | 0.00 | 1.05 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 69 | 13.300 | 31.53 | 0.00 | 0.00 | 0.00 | 5.96 | 5.57 | 0.00 | 5.57 | 0.00 | 0.95 | 0.09 | 0.00 | 1.04 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 70 | 13.200 | 31.54 | 0.00 | 0.00 | 0.00 | 5.92 | 5.68 | 0.00 | 5.68 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 71 | 13.100 | 31.54 | 0.00 | 0.00 | 0.00 | 5.88 | 5.79 | 0.00 | 5.79 | 0.00 | 0.94 | 0.09 | 0.00 | 1.03 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 72 | 13.000 | 31.55 | 0.00 | 0.00 | 0.00 | 5.86 | 5.88 | 0.00 | 5.88 | 0.00 | 0.93 | 0.09 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 73 | 12.900 | 31.55 | 0.00 | 0.00 | 0.00 | 5.84 | 5.97 | 0.00 | 5.97 | 0.00 | 0.93 | 0.09 | 0.00 | 1.02 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 74 | 12.800 | 31.56 | 0.00 | 0.00 | 0.00 | 5.82 | 6.04 | 0.00 | 6.04 | 0.00 | 0.92 | 0.09 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 75 | 12.700 | 31.56 | 0.00 | 0.00 | 0.00 | 5.81 | 6.11 | 0.00 | 6.11 | 0.00 | 0.92 | 0.09 | 0.00 | 1.01 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 76 | 12.600 | 31.57 | 0.00 | 0.00 | 0.00 | 5.79 | 6.18 | 0.00 | 6.18 | 0.00 | 0.91 | 0.09 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 77 | 12.500 | 31.57 | 0.00 | 0.00 | 0.00 | 5.78 | 6.24 | 0.00 | 6.24 | 0.00 | 0.91 | 0.09 | 0.00 | 1.00 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 78 | 12.400 | 31.58 | 0.00 | 0.00 | 0.00 | 5.77 | 6.29 | 0.00 | 6.29 | 0.00 | 0.90 | 0.09 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 79 | 12.300 | 31.58 | 0.00 | 0.00 | 0.00 | 5.76 | 6.34 | 0.00 | 6.34 | 0.00 | 0.90 | 0.09 | 0.00 | 0.99 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 80 | 12.200 | 31.59 | 0.00 | 0.00 | 0.00 | 5.75 | 6.39 | 0.00 | 6.39 | 0.00 | 0.90 | 0.09 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 81 | 12.100 | 31.59 | 0.00 | 0.00 | 0.00 | 5.74 | 6.43 | 0.00 | 6.43 | 0.00 | 0.89 | 0.09 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 82 | 12.000 | 31.60 | 0.00 | 0.00 | 0.00 | 5.73 | 6.47 | 0.00 | 6.47 | 0.00 | 0.89 | 0.09 | 0.00 | 0.98 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 83 | 11.900 | 31.60 | 0.00 | 0.00 | 0.00 | 5.73 | 6.50 | 0.00 | 6.50 | 0.00 | 0.88 | 0.09 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 84 | 11.800 | 31.61 | 0.00 | 0.00 | 0.00 | 5.72 | 6.53 | 0.00 | 6.53 | 0.00 | 0.88 | 0.09 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 85 | 11.700 | 31.61 | 0.00 | 0.00 | 0.00 | 5.71 | 6.56 | 0.00 | 6.56 | 0.00 | 0.88 | 0.09 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 86 | 11.600 | 31.62 | 0.00 | 0.00 | 0.00 | 5.71 | 6.59 | 0.00 | 6.59 | 0.00 | 0.87 | 0.09 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 87 | 11.500 | 31.62 | 0.00 | 0.00 | 0.00 | 5.70 | 6.62 | 0.00 | 6.62 | 0.00 | 0.87 | 0.09 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 88 | 11.400 | 31.63 | 0.00 | 0.00 | 0.00 | 5.70 | 6.64 | 0.00 | 6.64 | 0.00 | 0.87 | 0.09 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 89 | 11.300 | 31.63 | 0.00 | 0.00 | 0.00 | 5.69 | 6.66 | 0.00 | 6.66 | 0.00 | 0.86 | 0.09 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 90 | 11.200 | 31.64 | 0.00 | 0.00 | 0.00 | 5.69 | 6.68 | 0.00 | 6.68 | 0.00 | 0.86 | 0.09 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 91 | 11.100 | 31.64 | 0.00 | 0.00 | 0.00 | 5.69 | 6.70 | 0.00 | 6.70 | 0.00 | 0.86 | 0.09 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 92 | 11.000 | 31.65 | 0.00 | 0.00 | 0.00 | 5.68 | 6.72 | 0.00 | 6.72 | 0.00 | 0.86 | 0.09 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 93 | 10.900 | 31.65 | 0.00 | 0.00 | 0.00 | 5.68 | 6.73 | 0.00 | 6.73 | 0.00 | 0.85 | 0.09 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 94 | 10.800 | 31.66 | 0.00 | 0.00 | 0.00 | 5.68 | 6.75 | 0.00 | 6.75 | 0.00 | 0.85 | 0.09 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 95 | 10.700 | 31.66 | 0.00 | 0.00 | 0.00 | 5.67 | 6.76 | 0.00 | 6.76 | 0.00 | 0.85 | 0.09 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 96 | 10.600 | 31.67 | 0.00 | 0.00 | 0.00 | 5.67 | 6.77 | 0.00 | 6.77 | 0.00 | 0.84 | 0.09 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 97 | 10.500 | 31.67 | 0.00 | 0.00 | 0.00 | 5.67 | 6.78 | 0.00 | 6.78 | 0.00 | 0.84 | 0.08 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 98 | 10.400 | 31.68 | 0.00 | 0.00 | 0.00 | 5.66 | 6.79 | 0.00 | 6.79 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 99 | 10.300 | 31.68 | 0.00 | 0.00 | 0.00 | 5.66 | 6.80 | 0.00 | 6.80 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 100 | 10.200 | 31.68 | 0.00 | 0.00 | 0.00 | 5.66 | 6.81 | 0.00 | 6.81 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 101 | 10.100 | 31.69 | 0.00 | 0.00 | 0.00 | 5.66 | 6.82 | 0.00 | 6.82 | 0.00 | 0.83 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 102 | 10.000 | 31.69 | 0.00 | 0.00 | 0.00 | 5.66 | 6.83 | 0.00 | 6.83 | 0.00 | 0.83 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 103 | 9.900 | 31.70 | 0.00 | 0.00 | 0.00 | 5.65 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 104 | 9.800 | 31.70 | 0.00 | 0.00 | 0.00 | 5.64 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 105 | 9.700 | 31.71 | 0.00 | 0.00 | 0.00 | 5.64 | 6.95 | 0.00 | 6.95 | 0.00 | 0.83 | 0.09 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 106 | 9.600 | 31.71 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 107 | 9.500 | 31.72 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 108 | 9.400 | 31.72 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 109 | 9.300 | 31.73 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 110 | 9.200 | 31.73 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.82 | 0.09 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 111 | 9.100 | 31.74 | 0.00 | 0.00 | 0.00 | 5.63 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 112 | 9.000 | 31.74 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 113 | 8.900 | 31.75 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 114 | 8.800 | 31.75 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 115 | 8.700 | 31.76 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 116 | 8.600 | 31.76 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 117 | 8.500 | 31.77 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.80 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 118 | 8.400 | 31.77 | 0.00 | 0.00 | 0.00 | 5.62 | 6.95 | 0.00 | 6.95 | 0.00 | 0.80 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 119 | 8.300 | 31.78 | 0.00 | 0.00 | 0.00 | 5.61 | 7.12 | 0.00 | 7.12 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 120 | 8.200 | 31.78 | 0.00 | 0.00 | 0.00 | 5.61 | 7.11 | 0.00 | 7.11 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 121 | 8.100 | 31.79 | 0.00 | 0.00 | 0.00 | 5.60 | 7.10 | 0.00 | 7.10 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 122 | 8.000 | 31.79 | 0.00 | 0.00 | 0.00 | 5.60 | 7.10 | 0.00 | 7.10 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 123 | 7.900 | 31.80 | 0.00 | 0.00 | 0.00 | 5.60 | 7.09 | 0.00 | 7.09 | 0.00 | 0.80 | 0.09 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 124 | 7.800 | 31.80 | 0.00 | 0.00 | 0.00 | 5.60 | 7.08 | 0.00 | 7.08 | 0.00 | 0.80 | 0.09 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 125 | 7.700 | 31.81 | 0.00 | 0.00 | 0.00 | 5.59 | 7.07 | 0.00 | 7.07 | 0.00 | 0.80 | 0.09 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 126 | 7.600 | 31.81 | 0.00 | 0.00 | 0.00 | 5.59 | 7.07 | 0.00 | 7.07 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 127 | 7.500 | 31.82 | 0.00 | 0.00 | 0.00 | 5.59 | 7.06 | 0.00 | 7.06 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 128 | 7.400 | 31.82 | 0.00 | 0.00 | 0.00 | 5.59 | 7.06 | 0.00 | 7.06 | 0.00 | 0.79 | 0.09 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 129 | 7.300 | 31.83 | 0.00 | 0.00 | 0.00 | 5.59 | 7.05 | 0.00 | 7.05 | 0.00 | 0.79 | 0.08 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 130 | 7.200 | 31.83 | 0.00 | 0.00 | 0.00 | 5.59 | 7.04 | 0.00 | 7.04 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 131 | 7.100 | 31.84 | 0.00 | 0.00 | 0.00 | 5.59 | 7.04 | 0.00 | 7.04 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 132 | 7.000 | 31.84 | 0.00 | 0.00 | 0.00 | 5.59 | 7.03 | 0.00 | 7.03 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 133 | 6.900 | 31.84 | 0.00 | 0.00 | 0.00 | 5.59 | 7.03 | 0.00 | 7.03 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 134 | 6.800 | 31.85 | 0.00 | 0.00 | 0.00 | 5.59 | 7.02 | 0.00 | 7.02 | 0.00 | 0.78 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 135 | 6.700 | 31.85 | 0.00 | 0.00 | 0.00 | 5.59 | 7.02 | 0.00 | 7.02 | 0.00 | 0.78 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 136 | 6.600 | 31.86 | 0.00 | 0.00 | 0.00 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 137 | 6.500 | 31.86 | 0.00 | 0.00 | 0.00 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 138 | 6.400 | 31.87 | 0.00 | 0.00 | 0.00 | 5.59 | 7.01 | 0.00 | 7.01 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 139 | 6.300 | 31.87 | 0.00 | 0.00 | 0.00 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 140 | 6.200 | 31.88 | 0.00 | 0.00 | 0.00 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 141 | 6.100 | 31.88 | 0.00 | 0.00 | 0.00 | 5.59 | 7.00 | 0.00 | 7.00 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 142 | 6.000 | 31.89 | 0.00 | 0.00 | 0.00 | 5.59 | 6.99 | 0.00 | 6.99 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 143 | 5.900 | 31.89 | 0.00 | 0.00 | 0.00 | 5.59 | 6.99 | 0.00 | 6.99 | 0.00 | 0.77 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 144 | 5.800 | 31.90 | 0.00 | 0.00 | 0.00 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 145 | 5.700 | 31.90 | 0.00 | 0.00 | 0.00 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 146 | 5.600 | 31.91 | 0.00 | 0.00 | 0.00 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 147 | 5.500 | 31.91 | 0.00 | 0.00 | 0.00 | 5.59 | 6.98 | 0.00 | 6.98 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 148 | 5.400 | 31.92 | 0.00 | 0.00 | 0.00 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 149 | 5.300 | 31.92 | 0.00 | 0.00 | 0.00 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 150 | 5.200 | 31.93 | 0.00 | 0.00 | 0.00 | 5.59 | 6.97 | 0.00 | 6.97 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 151 | 5.100 | 31.93 | 0.00 | 0.00 | 0.00 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 152 | 5.000 | 31.94 | 0.00 | 0.00 | 0.00 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 153 | 4.900 | 31.94 | 0.00 | 0.00 | 0.00 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 4.800 | 31.95 | 0.00 | 0.00 | 0.00 | 5.59 | 6.96 | 0.00 | 6.96 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 155 | 4.700 | 31.95 | 0.00 | 0.00 | 0.00 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 156 | 4.600 | 31.96 | 0.00 | 0.00 | 0.00 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 157 | 4.500 | 31.96 | 0.00 | 0.00 | 0.00 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 158 | 4.400 | 31.97 | 0.00 | 0.00 | 0.00 | 5.59 | 6.95 | 0.00 | 6.95 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 159 | 4.300 | 31.97 | 0.00 | 0.00 | 0.00 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 160 | 4.200 | 31.98 | 0.00 | 0.00 | 0.00 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 161 | 4.100 | 31.98 | 0.00 | 0.00 | 0.00 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 162 | 4.000 | 31.99 | 0.00 | 0.00 | 0.00 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 163 | 3.900 | 31.99 | 0.00 | 0.00 | 0.00 | 5.58 | 6.94 | 0.00 | 6.94 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 164 | 3.800 | 32.00 | 0.00 | 0.00 | 0.00 | 5.58 | 6.93 | 0.00 | 6.93 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 165 | 3.700 | 32.00 | 0.00 | 0.00 | 0.00 | 5.58 | 6.93 | 0.00 | 6.93 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

FINAL REPORT BayouBlue#1 LA-QUAL calibration for Bayou Blue
REACH NO. 3 BayouBlue#2 FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | UPR RCH | 0.04989 | 32.00 | 0.00 | 0.00 | 0.00 | 5.58 | 6.93 | 0.00 | 6.93 | 0.00 | 0.76 | 0.08 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 |
| 180 | TRIB | 0.39600 | 32.00 | 0.00 | 0.00 | 0.00 | 6.31 | 4.17 | 0.00 | 4.17 | 0.00 | 0.84 | 0.08 | 0.00 | 0.00 | 20.00 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 3.70 | 3.60 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 181 | 3.60 | 3.50 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 182 | 3.50 | 3.40 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 183 | 3.40 | 3.30 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 184 | 3.30 | 3.20 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 185 | 3.20 | 3.10 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 186 | 3.10 | 3.00 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 187 | 3.00 | 2.90 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 188 | 2.90 | 2.80 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 189 | 2.80 | 2.70 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 190 | 2.70 | 2.60 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 191 | 2.60 | 2.50 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 192 | 2.50 | 2.40 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 193 | 2.40 | 2.30 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 194 | 2.30 | 2.20 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 195 | 2.20 | 2.10 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 196 | 2.10 | 2.00 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 197 | 2.00 | 1.90 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 198 | 1.90 | 1.80 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 199 | 1.80 | 1.70 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 200 | 1.70 | 1.60 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 201 | 1.60 | 1.50 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 202 | 1.50 | 1.40 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 203 | 1.40 | 1.30 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 204 | 1.30 | 1.20 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 205 | 1.20 | 1.10 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 206 | 1.10 | 1.00 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 207 | 1.00 | 0.90 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 208 | 0.90 | 0.80 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 209 | 0.80 | 0.70 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 210 | 0.70 | 0.60 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 211 | 0.60 | 0.50 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 212 | 0.50 | 0.40 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 213 | 0.40 | 0.30 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 214 | 0.30 | 0.20 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 215 | 0.20 | 0.10 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| 216 | 0.10 | 0.00 | 0.44589 | 0.1 | 0.00756 | 0.15 | 0.90 | 65.50 | 5895.00 | 6550.00 | 58.95 | 0.00 | 0.000 | 0.000 | 0.008 |
| TOT | | | | | 5.66 | | | 218114.98 | 242350.00 | | | | | | |
| AVG | | | | | 0.0076 | | 0.90 | 65.50 | | | 58.95 | | | | |
| CUM | | | | | 25.34 | | | | | | | | | | |

********** 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 * | MAC DECAY 1/da | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 3.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 181 | 3.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 182 | 3.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 183 | 3.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 184 | 3.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 185 | 3.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 186 | 3.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 187 | 2.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 188 | 2.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 189 | 2.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 190 | 2.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 191 | 2.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 192 | 2.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 193 | 2.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 194 | 2.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 195 | 2.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 196 | 2.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 197 | 1.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 198 | 1.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 1.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 1.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 1.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 1.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 203 | 1.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 1.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 1.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 1.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 0.900 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 0.800 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 0.700 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 0.600 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 0.500 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 0.400 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 0.300 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 0.200 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 0.100 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 0.000 | 7.30 | 0.97 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.78 0.15 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.13 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 3.600 | 32.00 | 0.00 | 0.00 | 0.00 | 6.15 | 4.63 | 0.00 | 4.63 | 0.00 | 0.82 | 0.08 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 181 | 3.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.09 | 4.77 | 0.00 | 4.77 | 0.00 | 0.82 | 0.08 | 0.00 | 0.90 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 182 | 3.400 | 32.00 | 0.00 | 0.00 | 0.00 | 6.03 | 4.90 | 0.00 | 4.90 | 0.00 | 0.82 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 183 | 3.300 | 32.00 | 0.00 | 0.00 | 0.00 | 5.97 | 5.03 | 0.00 | 5.03 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 184 | 3.200 | 32.00 | 0.00 | 0.00 | 0.00 | 5.91 | 5.15 | 0.00 | 5.15 | 0.00 | 0.81 | 0.08 | 0.00 | 0.89 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 185 | 3.100 | 32.00 | 0.00 | 0.00 | 0.00 | 5.86 | 5.27 | 0.00 | 5.27 | 0.00 | 0.81 | 0.08 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 186 | 3.000 | 32.00 | 0.00 | 0.00 | 0.00 | 5.81 | 5.39 | 0.00 | 5.39 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 187 | 2.900 | 32.00 | 0.00 | 0.00 | 0.00 | 5.76 | 5.50 | 0.00 | 5.50 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 188 | 2.800 | 32.00 | 0.00 | 0.00 | 0.00 | 5.72 | 5.60 | 0.00 | 5.60 | 0.00 | 0.80 | 0.08 | 0.00 | 0.88 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 189 | 2.700 | 32.00 | 0.00 | 0.00 | 0.00 | 5.67 | 5.70 | 0.00 | 5.70 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 190 | 2.600 | 32.00 | 0.00 | 0.00 | 0.00 | 5.63 | 5.80 | 0.00 | 5.80 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 191 | 2.500 | 32.00 | 0.00 | 0.00 | 0.00 | 5.59 | 5.90 | 0.00 | 5.90 | 0.00 | 0.79 | 0.08 | 0.00 | 0.87 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 192 | 2.400 | 32.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.99 | 0.00 | 5.99 | 0.00 | 0.79 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 193 | 2.300 | 32.00 | 0.00 | 0.00 | 0.00 | 5.52 | 6.07 | 0.00 | 6.07 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 194 | 2.200 | 32.00 | 0.00 | 0.00 | 0.00 | 5.49 | 6.16 | 0.00 | 6.16 | 0.00 | 0.78 | 0.08 | 0.00 | 0.86 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 195 | 2.100 | 32.00 | 0.00 | 0.00 | 0.00 | 5.46 | 6.24 | 0.00 | 6.24 | 0.00 | 0.78 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 196 | 2.000 | 32.00 | 0.00 | 0.00 | 0.00 | 5.43 | 6.32 | 0.00 | 6.32 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 197 | 1.900 | 32.00 | 0.00 | 0.00 | 0.00 | 5.40 | 6.39 | 0.00 | 6.39 | 0.00 | 0.77 | 0.08 | 0.00 | 0.85 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 198 | 1.800 | 32.00 | 0.00 | 0.00 | 0.00 | 5.37 | 6.46 | 0.00 | 6.46 | 0.00 | 0.77 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 199 | 1.700 | 32.00 | 0.00 | 0.00 | 0.00 | 5.35 | 6.53 | 0.00 | 6.53 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 1.600 | 32.00 | 0.00 | 0.00 | 0.00 | 5.32 | 6.60 | 0.00 | 6.60 | 0.00 | 0.76 | 0.08 | 0.00 | 0.84 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 201 | 1.500 | 32.00 | 0.00 | 0.00 | 0.00 | 5.30 | 6.66 | 0.00 | 6.66 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 202 | 1.400 | 32.00 | 0.00 | 0.00 | 0.00 | 5.27 | 6.72 | 0.00 | 6.72 | 0.00 | 0.76 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 203 | 1.300 | 32.00 | 0.00 | 0.00 | 0.00 | 5.25 | 6.78 | 0.00 | 6.78 | 0.00 | 0.75 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 204 | 1.200 | 32.00 | 0.00 | 0.00 | 0.00 | 5.23 | 6.84 | 0.00 | 6.84 | 0.00 | 0.75 | 0.08 | 0.00 | 0.83 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 205 | 1.100 | 32.00 | 0.00 | 0.00 | 0.00 | 5.21 | 6.89 | 0.00 | 6.89 | 0.00 | 0.75 | 0.07 | 0.00 | 0.82 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 206 | 1.000 | 32.00 | 0.00 | 0.00 | 0.00 | 5.19 | 6.94 | 0.00 | 6.94 | 0.00 | 0.74 | 0.07 | 0.00 | 0.82 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 207 | 0.900 | 32.00 | 0.00 | 0.00 | 0.00 | 5.17 | 7.00 | 0.00 | 7.00 | 0.00 | 0.74 | 0.07 | 0.00 | 0.82 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 208 | 0.800 | 32.00 | 0.00 | 0.00 | 0.00 | 5.15 | 7.04 | 0.00 | 7.04 | 0.00 | 0.74 | 0.07 | 0.00 | 0.81 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 209 | 0.700 | 32.00 | 0.00 | 0.00 | 0.00 | 5.14 | 7.09 | 0.00 | 7.09 | 0.00 | 0.74 | 0.07 | 0.00 | 0.81 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 210 | 0.600 | 32.00 | 0.00 | 0.00 | 0.00 | 5.12 | 7.14 | 0.00 | 7.14 | 0.00 | 0.73 | 0.07 | 0.00 | 0.81 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 211 | 0.500 | 32.00 | 0.00 | 0.00 | 0.00 | 5.10 | 7.18 | 0.00 | 7.18 | 0.00 | 0.73 | 0.07 | 0.00 | 0.80 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 212 | 0.400 | 32.00 | 0.00 | 0.00 | 0.00 | 5.09 | 7.22 | 0.00 | 7.22 | 0.00 | 0.73 | 0.07 | 0.00 | 0.80 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 213 | 0.300 | 32.00 | 0.00 | 0.00 | 0.00 | 5.07 | 7.26 | 0.00 | 7.26 | 0.00 | 0.72 | 0.07 | 0.00 | 0.80 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 214 | 0.200 | 32.00 | 0.00 | 0.00 | 0.00 | 5.06 | 7.30 | 0.00 | 7.30 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 215 | 0.100 | 32.00 | 0.00 | 0.00 | 0.00 | 5.05 | 7.33 | 0.00 | 7.33 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 216 | 0.000 | 32.00 | 0.00 | 0.00 | 0.00 | 5.03 | 7.37 | 0.00 | 7.37 | 0.00 | 0.72 | 0.07 | 0.00 | 0.79 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL calibration for Bayou Blue
BayouBlue#1 FTN Field Survey calibration

TRAVEL TIME = 25.34 DAYS

MAXIMUM EFFLUENT = 0.75 PERCENT

FLOW = 0.01871 TO 0.44589 $m^3/s$
DISPERSION = 0.0000 TO 0.0000 $m^2/s$
VELOCITY = 0.00374 TO 0.08296 m/s
DEPTH = 0.50 TO 0.90 m
WIDTH = 10.00 TO 65.50 m

BOD DECAY = 0.25 TO 0.26 per day
NH3 DECAY = 0.27 TO 0.28 per day
SOD = 1.01 TO 1.06 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.97 TO 3.95 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.03 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 31.20 TO 32.00 deg C
DISSOLVED OXYGEN = 5.03 TO 7.73 mg/L

FINAL REPORT ICWWtoBlue LA-QUAL calibration for Bayou Blue
REACH NO. 2 ICWWtoBlue FTN Field Survey calibration

********** 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | HDWTR | 0.39600 | 32.00 | 0.00 | 0.00 | 0.00 | 7.93 | 2.56 | 0.00 | 2.56 | 0.00 | 0.89 | 0.08 | 0.00 | 0.00 | 20.00 | 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 | PRISM m/s | VELO m²/s | TIDAL VELO m/s | TIDAL | DISPRSN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 1.40 | 1.30 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 167 | 1.30 | 1.20 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 168 | 1.20 | 1.10 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 169 | 1.10 | 1.00 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 170 | 1.00 | 0.90 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 171 | 0.90 | 0.80 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 172 | 0.80 | 0.70 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 173 | 0.70 | 0.60 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 174 | 0.60 | 0.50 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 175 | 0.50 | 0.40 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 176 | 0.40 | 0.30 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 177 | 0.30 | 0.20 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 178 | 0.20 | 0.10 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| 179 | 0.10 | 0.00 | 0.39600 | 0.0 | 0.00643 | 0.18 | 1.40 | 44.00 | 6160.00 | 4400.00 | 61.60 | 0.00 | 0.000 | 0.000 | 0.006 | | |
| TOT | | | | | 2.52 | | | | 86240.00 | 61600.00 | | | | | | | |
| AVG | | | | 0.0064 | | | 1.40 | 44.00 | | | 61.60 | | | | | | |
| CUM | | | | | 2.52 | | | | | | | | | | | | |

********** 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 * | BOD#2 DECAY * | ABOD#2 SOD * | BKGD SOD 1/da | FULL SOD 1/da | CORR DECAY * | ORGN SETT 1/da | ORGN DECAY * | SRCE ** | NH3 RATE ** | NH3 SRCE 1/da | DENIT PROD 1/da | PO4 PROD 1/da | ALG DECAY 1/da | MAC DECAY 1/da | COLI DECAY 1/da | NCM SETT 1/da | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 1.300 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 167 | 1.200 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 168 | 1.100 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 169 | 1.000 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 170 | 0.900 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 171 | 0.800 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 172 | 0.700 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 173 | 0.600 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 174 | 0.500 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 175 | 0.400 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 176 | 0.300 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 177 | 0.200 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 0.100 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 0.000 | 7.30 | 0.62 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 | 1.06 | 0.03 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 0.50 0.15 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.13 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 1.300 | 32.00 | 0.00 | 0.00 | 0.00 | 7.76 | 2.71 | 0.00 | 2.71 | 0.00 | 0.89 | 0.08 | 0.00 | 0.97 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 167 | 1.200 | 32.00 | 0.00 | 0.00 | 0.00 | 7.60 | 2.86 | 0.00 | 2.86 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 168 | 1.100 | 32.00 | 0.00 | 0.00 | 0.00 | 7.45 | 3.00 | 0.00 | 3.00 | 0.00 | 0.88 | 0.08 | 0.00 | 0.96 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 169 | 1.000 | 32.00 | 0.00 | 0.00 | 0.00 | 7.31 | 3.13 | 0.00 | 3.13 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 170 | 0.900 | 32.00 | 0.00 | 0.00 | 0.00 | 7.18 | 3.26 | 0.00 | 3.26 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 171 | 0.800 | 32.00 | 0.00 | 0.00 | 0.00 | 7.06 | 3.38 | 0.00 | 3.38 | 0.00 | 0.87 | 0.08 | 0.00 | 0.95 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 172 | 0.700 | 32.00 | 0.00 | 0.00 | 0.00 | 6.94 | 3.50 | 0.00 | 3.50 | 0.00 | 0.86 | 0.08 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 173 | 0.600 | 32.00 | 0.00 | 0.00 | 0.00 | 6.83 | 3.61 | 0.00 | 3.61 | 0.00 | 0.86 | 0.08 | 0.00 | 0.94 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 174 | 0.500 | 32.00 | 0.00 | 0.00 | 0.00 | 6.73 | 3.71 | 0.00 | 3.71 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 175 | 0.400 | 32.00 | 0.00 | 0.00 | 0.00 | 6.64 | 3.81 | 0.00 | 3.81 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 176 | 0.300 | 32.00 | 0.00 | 0.00 | 0.00 | 6.55 | 3.91 | 0.00 | 3.91 | 0.00 | 0.85 | 0.08 | 0.00 | 0.93 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 177 | 0.200 | 32.00 | 0.00 | 0.00 | 0.00 | 6.46 | 4.00 | 0.00 | 4.00 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 178 | 0.100 | 32.00 | 0.00 | 0.00 | 0.00 | 6.38 | 4.09 | 0.00 | 4.09 | 0.00 | 0.84 | 0.08 | 0.00 | 0.92 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |
| 179 | 0.000 | 32.00 | 0.00 | 0.00 | 0.00 | 6.31 | 4.17 | 0.00 | 4.17 | 0.00 | 0.84 | 0.08 | 0.00 | 0.91 | 0.00 | 20.00 | 0.00 | 0. | 0.00 |

STREAM SUMMARY LA-QUAL calibration for Bayou Blue
ICWWtoBlue FTN Field Survey calibration

TRAVEL TIME = 2.52 DAYS

MAXIMUM EFFLUENT = 0.00 PERCENT

FLOW = 0.39600 TO 0.39600 m³/s
DISPERSION = 0.0000 TO 0.0000 m²/s
VELOCITY = 0.00643 TO 0.00643 m/s
DEPTH = 1.40 TO 1.40 m
WIDTH = 44.00 TO 44.00 m

BOD DECAY = 0.26 TO 0.26 per day
NH3 DECAY = 0.28 TO 0.29 per day
SOD = 1.06 TO 1.06 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.62 TO 0.62 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.03 TO 0.03 per day

ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 32.00 TO 32.00 deg C
DISSOLVED OXYGEN = 6.31 TO 7.76 mg/L

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

REACH SUMMARY REPORT FOR BayouBlue#1

| RCH NO. | REACH NAME | DIST km | 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 | BayouBlue#1 | 20.20 | 3.70 | 16.50 | 19.67 | 0.04989 | 0.00971 | 0.500 | 10.00 | 1.762 | 0.032 | 1.640 | 32.81 | |
| 3 | BayouBlue#2 | 3.70 | 0.00 | 3.70 | 5.66 | 0.44589 | 0.00756 | 0.900 | 65.50 | 15.744 | 0.025 | 2.953 | 214.91 | |

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

REACH SUMMARY REPORT FOR ICWWtoBlue

| RCH NO. | REACH NAME | DIST km | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | ICWWtoBlue | 1.40 | 0.00 | 1.40 | 2.52 | 0.39600 | 0.00643 | 1.400 | 44.00 | 13.983 | 0.021 | 4.593 | 144.36 | |

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#1

| IOR | UPMN ADV | UPMN 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 BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 266. | 0. | -265. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -266.8 | 266.8 | 0.00 | |
| 2 | 265. | 0. | -263. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -265.3 | 265.3 | 0.00 | |
| 3 | 263. | 0. | -262. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -263.9 | 263.9 | 0.00 | |
| 4 | 262. | 0. | -261. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -262.5 | 262.5 | 0.00 | |
| 5 | 261. | 0. | -259. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -261.2 | 261.2 | 0.00 | |
| 6 | 259. | 0. | -258. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -260.0 | 260.0 | 0.00 | |
| 7 | 258. | 0. | -257. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -258.9 | 258.9 | 0.00 | |
| 8 | 257. | 0. | -256. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -257.8 | 257.8 | 0.00 | |
| 9 | 256. | 0. | -255. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -256.8 | 256.8 | 0.00 | |
| 10 | 255. | 0. | -254. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -255.9 | 255.9 | 0.00 | |
| 11 | 254. | 0. | -254. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -255.1 | 255.1 | 0.00 | |
| 12 | 254. | 0. | -253. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -254.3 | 254.3 | 0.00 | |
| 13 | 253. | 0. | -252. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -253.6 | 253.6 | 0.00 | |
| 14 | 252. | 0. | -251. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -252.9 | 252.9 | 0.00 | |
| 15 | 251. | 0. | -251. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -252.3 | 252.3 | 0.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 251. | 0. | -250. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -251.7 | 251.7 | 0.00 |
| 17 | 250. | 0. | -250. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -251.1 | 251.1 | 0.00 |
| 18 | 250. | 0. | -249. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -250.6 | 250.6 | 0.00 |
| 19 | 249. | 0. | -249. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -250.1 | 250.1 | 0.00 |
| 20 | 249. | 0. | -248. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -249.6 | 249.6 | 0.00 |
| 21 | 248. | 0. | -248. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -249.2 | 249.2 | 0.00 |
| 22 | 248. | 0. | -247. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -248.8 | 248.8 | 0.00 |
| 23 | 247. | 0. | -247. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -248.5 | 248.5 | 0.00 |
| 24 | 247. | 0. | -247. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -248.1 | 248.1 | 0.00 |
| 25 | 247. | 0. | -246. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -247.8 | 247.8 | 0.00 |
| 26 | 246. | 0. | -246. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -247.5 | 247.5 | 0.00 |
| 27 | 246. | 0. | -246. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -247.2 | 247.2 | 0.00 |
| 28 | 246. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -247.0 | 247.0 | 0.00 |
| 29 | 245. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -246.8 | 246.8 | 0.00 |
| 30 | 245. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -246.6 | 246.6 | 0.00 |
| 31 | 245. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -246.4 | 246.4 | 0.00 |
| 32 | 245. | 0. | -245. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -246.2 | 246.2 | 0.00 |
| 33 | 245. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -246.0 | 246.0 | 0.00 |
| 34 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.9 | 245.9 | 0.00 |
| 35 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.8 | 245.8 | 0.00 |
| 36 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.7 | 245.7 | 0.00 |
| 37 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.6 | 245.6 | 0.00 |
| 38 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.5 | 245.5 | 0.00 |
| 39 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.4 | 245.4 | 0.00 |
| 40 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 41 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 42 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 43 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 44 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 45 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 46 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 47 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 48 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 49 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 50 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 51 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.2 | 245.2 | 0.00 |
| 52 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 53 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 54 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 55 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.4 | 245.4 | 0.00 |
| 56 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.4 | 245.4 | 0.00 |
| 57 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.5 | 245.5 | 0.00 |
| 58 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.6 | 245.6 | 0.00 |
| 59 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.6 | 245.6 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.7 | 245.7 | 0.00 |
| 61 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.8 | 245.8 | 0.00 |
| 62 | 244. | 0. | -244. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.8 | 245.8 | 0.00 |
| 63 | 244. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -233. | 0. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -245.3 | 245.3 | 0.00 |
| 64 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.4 | 12.4 | 0.00 |
| 65 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.2 | 12.2 | 0.00 |
| 66 | 11. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.2 | 12.2 | 0.00 |
| 67 | 10. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.2 | 12.2 | 0.00 |
| 68 | 10. | 0. | -10. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.3 | 12.3 | 0.00 |
| 69 | 10. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.4 | 12.4 | 0.00 |
| 70 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.5 | 12.5 | 0.00 |
| 71 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.6 | 12.6 | 0.00 |
| 72 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.7 | 12.7 | 0.00 |
| 73 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.8 | 12.8 | 0.00 |
| 74 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -12.9 | 12.9 | 0.00 |
| 75 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.1 | 13.1 | 0.00 |
| 76 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.2 | 13.2 | 0.00 |
| 77 | 11. | 0. | -11. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.3 | 13.3 | 0.00 |
| 78 | 11. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.5 | 13.5 | 0.00 |
| 79 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.6 | 13.6 | 0.00 |
| 80 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.8 | 13.8 | 0.00 |
| 81 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -13.9 | 13.9 | 0.00 |
| 82 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.0 | 14.0 | 0.00 |
| 83 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.2 | 14.2 | 0.00 |
| 84 | 12. | 0. | -12. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.3 | 14.3 | 0.00 |
| 85 | 12. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.5 | 14.5 | 0.00 |
| 86 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.6 | 14.6 | 0.00 |
| 87 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.7 | 14.7 | 0.00 |
| 88 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -14.9 | 14.9 | 0.00 |
| 89 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.0 | 15.0 | 0.00 |
| 90 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.2 | 15.2 | 0.00 |
| 91 | 13. | 0. | -13. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.3 | 15.3 | 0.00 |
| 92 | 13. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.5 | 15.5 | 0.00 |
| 93 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.6 | 15.6 | 0.00 |
| 94 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.7 | 15.7 | 0.00 |
| 95 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -15.9 | 15.9 | 0.00 |
| 96 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.0 | 16.0 | 0.00 |
| 97 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.2 | 16.2 | 0.00 |
| 98 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.3 | 16.3 | 0.00 |
| 99 | 14. | 0. | -14. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.5 | 16.5 | 0.00 |
| 100 | 14. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.6 | 16.6 | 0.00 |
| 101 | 15. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.7 | 16.7 | 0.00 |
| 102 | 15. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -16.9 | 16.9 | 0.00 |
| 103 | 15. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.1 | 17.1 | 0.00 |
| 104 | 15. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.2 | 17.2 | 0.00 |
| 105 | 15. | 0. | -15. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.4 | 17.4 | 0.00 |
| 106 | 15. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.5 | 17.5 | 0.00 |
| 107 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.6 | 17.6 | 0.00 |
| 108 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.8 | 17.8 | 0.00 |
| 109 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -17.9 | 17.9 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 110 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.1 | 18.1 | 0.00 |
| 111 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.2 | 18.2 | 0.00 |
| 112 | 16. | 0. | -16. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.3 | 18.3 | 0.00 |
| 113 | 16. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.5 | 18.5 | 0.00 |
| 114 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.6 | 18.6 | 0.00 |
| 115 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.8 | 18.8 | 0.00 |
| 116 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -18.9 | 18.9 | 0.00 |
| 117 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.1 | 19.1 | 0.00 |
| 118 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.2 | 19.2 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#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 | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 17. | 0. | -17. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.4 | 19.4 | 0.00 |
| 120 | 17. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.6 | 19.6 | 0.00 |
| 121 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.7 | 19.7 | 0.00 |
| 122 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -19.8 | 19.8 | 0.00 |
| 123 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.0 | 20.0 | 0.00 |
| 124 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.1 | 20.1 | 0.00 |
| 125 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.3 | 20.3 | 0.00 |
| 126 | 18. | 0. | -18. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.4 | 20.4 | 0.00 |
| 127 | 18. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.6 | 20.6 | 0.00 |
| 128 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.7 | 20.7 | 0.00 |
| 129 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -20.8 | 20.8 | 0.00 |
| 130 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.0 | 21.0 | 0.00 |
| 131 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.1 | 21.1 | 0.00 |
| 132 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.3 | 21.3 | 0.00 |
| 133 | 19. | 0. | -19. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.4 | 21.4 | 0.00 |
| 134 | 19. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.6 | 21.6 | 0.00 |
| 135 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.7 | 21.7 | 0.00 |
| 136 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -21.9 | 21.9 | 0.00 |
| 137 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.0 | 22.0 | 0.00 |
| 138 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.2 | 22.2 | 0.00 |
| 139 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.3 | 22.3 | 0.00 |
| 140 | 20. | 0. | -20. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.4 | 22.4 | 0.00 |
| 141 | 20. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.6 | 22.6 | 0.00 |
| 142 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.7 | 22.7 | 0.00 |
| 143 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -22.9 | 22.9 | 0.00 |
| 144 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.0 | 23.0 | 0.00 |
| 145 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.2 | 23.2 | 0.00 |
| 146 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.3 | 23.3 | 0.00 |
| 147 | 21. | 0. | -21. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.5 | 23.5 | 0.00 |
| 148 | 21. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.6 | 23.6 | 0.00 |
| 149 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.8 | 23.8 | 0.00 |
| 150 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -23.9 | 23.9 | 0.00 |
| 151 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.0 | 24.0 | 0.00 |
| 152 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.2 | 24.2 | 0.00 |
| 153 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.3 | 24.3 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 22. | 0. | -22. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.5 | 24.5 | 0.00 |
| 155 | 22. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.6 | 24.6 | 0.00 |
| 156 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.8 | 24.8 | 0.00 |
| 157 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -24.9 | 24.9 | 0.00 |
| 158 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.1 | 25.1 | 0.00 |
| 159 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.2 | 25.2 | 0.00 |
| 160 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.4 | 25.4 | 0.00 |
| 161 | 23. | 0. | -23. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.5 | 25.5 | 0.00 |
| 162 | 23. | 0. | -24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.6 | 25.6 | 0.00 |
| 163 | 24. | 0. | -24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.8 | 25.8 | 0.00 |
| 164 | 24. | 0. | -24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -25.9 | 25.9 | 0.00 |
| 165 | 24. | 0. | -24. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -1. | 0. | 0. | 0. | -1. | 0. | 0. | 0. | 0. | 0. | 0. | -26.1 | 26.1 | 0.00 |
| 180 | 24. | 216. | -237. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -7. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -251.7 | 251.7 | 0.00 |
| 181 | 237. | 0. | -235. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -7. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -249.4 | 249.4 | 0.00 |
| 182 | 235. | 0. | -232. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 7. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -247.2 | 247.2 | 0.00 |
| 183 | 232. | 0. | -230. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -245.1 | 245.1 | 0.00 |
| 184 | 230. | 0. | -228. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -243.1 | 243.1 | 0.00 |
| 185 | 228. | 0. | -226. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 8. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -241.3 | 241.3 | 0.00 |
| 186 | 226. | 0. | -224. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -239.5 | 239.5 | 0.00 |
| 187 | 224. | 0. | -222. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -8. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -237.9 | 237.9 | 0.00 |
| 188 | 222. | 0. | -220. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -236.3 | 236.3 | 0.00 |
| 189 | 220. | 0. | -219. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 9. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -234.8 | 234.8 | 0.00 |
| 190 | 219. | 0. | -217. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -233.4 | 233.4 | 0.00 |
| 191 | 217. | 0. | -216. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -232.1 | 232.1 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 1: BayouBlue#1

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | NONP IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | NCM BOD1 | SOD ALG | SOD NCM | SOD PHOT | SOD RESP | ALG PHOT | ALG OUT | MAC IN | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 192 | 216. | 0. | -214. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -230.8 | 230.8 | 0.00 |
| 193 | 214. | 0. | -213. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -229.6 | 229.6 | 0.00 |
| 194 | 213. | 0. | -212. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 10. | -9. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -228.5 | 228.5 | 0.00 |
| 195 | 212. | 0. | -210. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -227.4 | 227.4 | 0.00 |
| 196 | 210. | 0. | -209. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -226.3 | 226.3 | 0.00 |
| 197 | 209. | 0. | -208. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -225.3 | 225.3 | 0.00 |
| 198 | 208. | 0. | -207. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -224.4 | 224.4 | 0.00 |
| 199 | 207. | 0. | -206. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -223.5 | 223.5 | 0.00 |
| 200 | 206. | 0. | -205. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -222.6 | 222.6 | 0.00 |
| 201 | 205. | 0. | -204. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 11. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -221.8 | 221.8 | 0.00 |
| 202 | 204. | 0. | -203. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -221.0 | 221.0 | 0.00 |
| 203 | 203. | 0. | -202. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -220.2 | 220.2 | 0.00 |
| 204 | 202. | 0. | -201. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -10. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -219.5 | 219.5 | 0.00 |
| 205 | 201. | 0. | -201. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -218.8 | 218.8 | 0.00 |
| 206 | 201. | 0. | -200. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -218.1 | 218.1 | 0.00 |
| 207 | 200. | 0. | -199. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -217.4 | 217.4 | 0.00 |
| 208 | 199. | 0. | -199. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -216.8 | 216.8 | 0.00 |
| 209 | 199. | 0. | -198. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -216.2 | 216.2 | 0.00 |
| 210 | 198. | 0. | -197. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 12. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -215.7 | 215.7 | 0.00 |
| 211 | 197. | 0. | -197. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -215.1 | 215.1 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 212 | 197. | 0. | -196. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | -1. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -214.6 | 214.6 | 0.00 |
| 213 | 196. | 0. | -195. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -214.1 | 214.1 | 0.00 |
| 214 | 195. | 0. | -195. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -213.6 | 213.6 | 0.00 |
| 215 | 195. | 0. | -194. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -213.1 | 213.1 | 0.00 |
| 216 | 194. | 0. | -194. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 13. | -11. | 0. | 0. | 0. | -7. | 0. | 0. | 0. | 5. | 0. | 0. | -212.7 | 212.7 | 0.00 |

DISSOLVED OXYGEN LOADING FOR REACH 2: ICWWtoBlue

| IOR | UPMN ADV | UPTR ADV | LOWR ADV | UPMN DISP | UPTR DISP | LOWR DISP | INCR IN | INCR OUT | INCR IN | NONP IN | WSLD OUT | WITH IN | REAE DECA | BOD1 DECA | NH3-N DECA | ORG-N BKGD | BOD1 BOD1 | NCM ALG | SOD NCM | SOD PHOT | SOD RESP | SOD PHOT | ALG OUT | ALG IN | MAC | TOT | TOT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 166 | 271. | 0. | -265. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -2. | -4. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -276.9 | 276.9 | 0.00 |
| 167 | 265. | 0. | -260. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | -5. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -271.0 | 271.0 | 0.00 |
| 168 | 260. | 0. | -255. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -1. | -5. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -265.6 | 265.6 | 0.00 |
| 169 | 255. | 0. | -250. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -5. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -260.5 | 260.5 | 0.00 |
| 170 | 250. | 0. | -246. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | -5. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -256.2 | 256.2 | 0.00 |
| 171 | 246. | 0. | -241. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -5. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -252.2 | 252.2 | 0.00 |
| 172 | 241. | 0. | -238. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -248.4 | 248.4 | 0.00 |
| 173 | 238. | 0. | -234. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -244.9 | 244.9 | 0.00 |
| 174 | 234. | 0. | -230. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -241.6 | 241.6 | 0.00 |
| 175 | 230. | 0. | -227. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -238.5 | 238.5 | 0.00 |
| 176 | 227. | 0. | -224. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -235.6 | 235.6 | 0.00 |
| 177 | 224. | 0. | -221. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 3. | -6. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -232.8 | 232.8 | 0.00 |
| 178 | 221. | 0. | -218. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -230.2 | 230.2 | 0.00 |
| 179 | 218. | 0. | -216. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 4. | -7. | -1. | 0. | 0. | -5. | 0. | 0. | 0. | 6. | 0. | 0. | -227.8 | 227.8 | 0.00 |

LA-QUAL calibration for Bayou Blue
FTN Field Survey calibration

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 | 0.792 | 537.5 | 217.6 | 0 | 65 | 5.8 | 0 | 0 | 0 | 0 |
| INCREMENTAL INFLOW | 0.05 | 33.6 | 16.4 | 0 | 4.4 | 0.4 | 0 | 0 | 0 | 0 |
| INCREMENTAL OUTFLOW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASTELOADS | 0 | 0.1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WITHDRAWLS | -0.396 | -232.7 | -156.8 | 0 | -33.8 | -3.1 | 0 | 0 | 0 | 0 |
| FLOW THRU LOWER BNDRY | -0.446 | -193.9 | -283.9 | 0 | -27.6 | -2.8 | 0 | 0 | 0 | 0 |
| DISPERSION THRU LOWER BNDRY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DISPERSION THRU HDWTR BNDRY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NON-POINT INPUT | | 0 | 764 | 0 | 0 | | | | | 0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NATURAL REAERATION | | 596.9 | | | | | | | | |
| DAM REAERATION | | 0 | | | | | | | | |
| BACKGROUND SOD | | -494.9 | | | | | | | | |
| BOD#1 DECAY | | -558.3 | -558.3 | | | | | | | |
| BOD#1 SETTLING | | 0 | 0 | | | | | | | |
| ANAEROBIC BOD#1 DECAY | | | 0 | | | | | | | |
| BOD#2 DECAY | | 0 | | 0 | | | | | | |
| BOD#2 SETTLING | | 0 | | 0 | | | | | | |
| ANAEROBIC BOD#2 DECAY | | | | 0 | | | | | | |
| ORG-N DECAY | | 0 | | | -8 | 8 | | | | |
| ORG-N SETTLING | | | | | 0 | 0 | | | | |
| NH3 DECAY | | -36 | | | | -8.3 | 8.3 | | | |
| BACKGROUND NH3 SOURCE | | | | | | 0 | | | | |
| OTHER DENITRIFICATION | | | | | | | 0 | | | |
| PHOSPHORUS SOURCE | | | | | | | | 0 | | |
| ALGAE PHOTOSYNTHESIS | | 347.7 | | | | 0 | -33.4 | 0 | 0 | |
| ALGAE RESPIRATION | | 0 | | | | 0 | | 0 | 0 | |
| ALGAE SETTLING | | 0 | | | | | | | 0 | |
| MACRO PHOTOSYNTHESIS | | 0 | | | | 0 | 0 | 0 | | |
| NCM DECAY | | 0 | | | | | | | | 0 |
| NCM SETTLING | | 0 | | | | | | | | 0 |
| TOTAL INPUTS | 0.842 | 1515.8 | 999.1 | 0 | 69.4 | 14.2 | 8.3 | 0 | 0 | 0 |
| TOTAL OUTPUTS | -0.842 | -1515.8 | -999.1 | 0 | -69.4 | -14.2 | -33.4 | 0 | 0 | 0 |
| NET CONVERGENCE ERROR | 0 | 0 | 0 | 0 | 0 | 0 | -25.1 | 0 | 0 | 0 |

.....EXECUTION COMPLETED

# APPENDIX G:
# PLOTS OF PREDICTED WATER QUALITY FOR TMDL


Figure G-1. Predicted temperature results for subsegment 120202 ..... 1
Figure G-2. Predicted ammonia results for subsegment 120202 ..... 1
Figure G-3. Predicted BOD results for subsegment 120202 ..... 2
Figure G-4. Predicted DO results for subsegment 120202 ..... 2
Figure G-5. Predicted temperature results for subsegment 120204 ..... 3
Figure G-6. Predicted ammonia results for subsegment 120204 ..... 3
Figure G-7. Predicted BOD results for subsegment 120204 ..... 4
Figure G-8. Predicted DO results for subsegment 120204 ..... 4
Figure G-9. Predicted temperature results for subsegments 120304 and 120403 ..... 5
Figure G-10. Predicted ammonia results for subsegments 120304 and 120403 ..... 5
Figure G-11. Predicted BOD results for subsegments 120304 and 120403 ..... 6
Figure G-12. Predicted DO results for subsegments 120304 and 120403 ..... 6
Figure G-13. Predicted temperature results for subsegment 120604 ..... 7
Figure G-14. Predicted ammonia results for subsegment 120604 ..... 7
Figure G-15. Predicted BOD results for subsegment 120604 ..... 8
Figure G-16. Predicted DO results for subsegment 120604 ..... 8

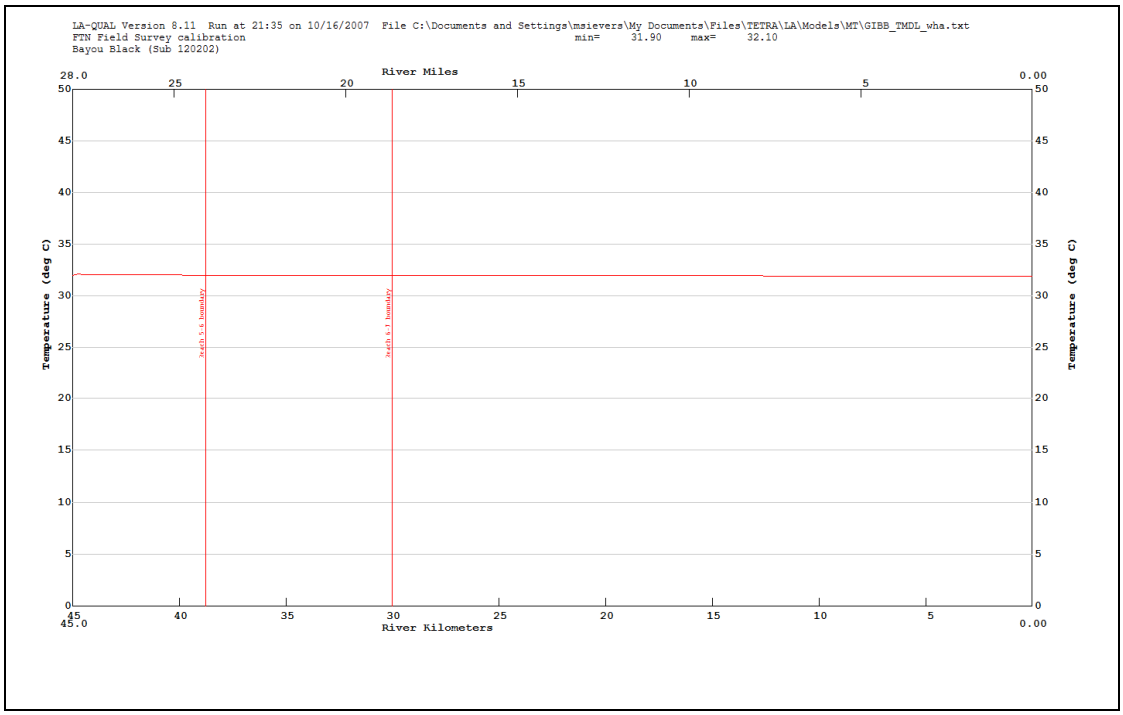


**Figure G-1. Predicted temperature results for subsegment 120202.**

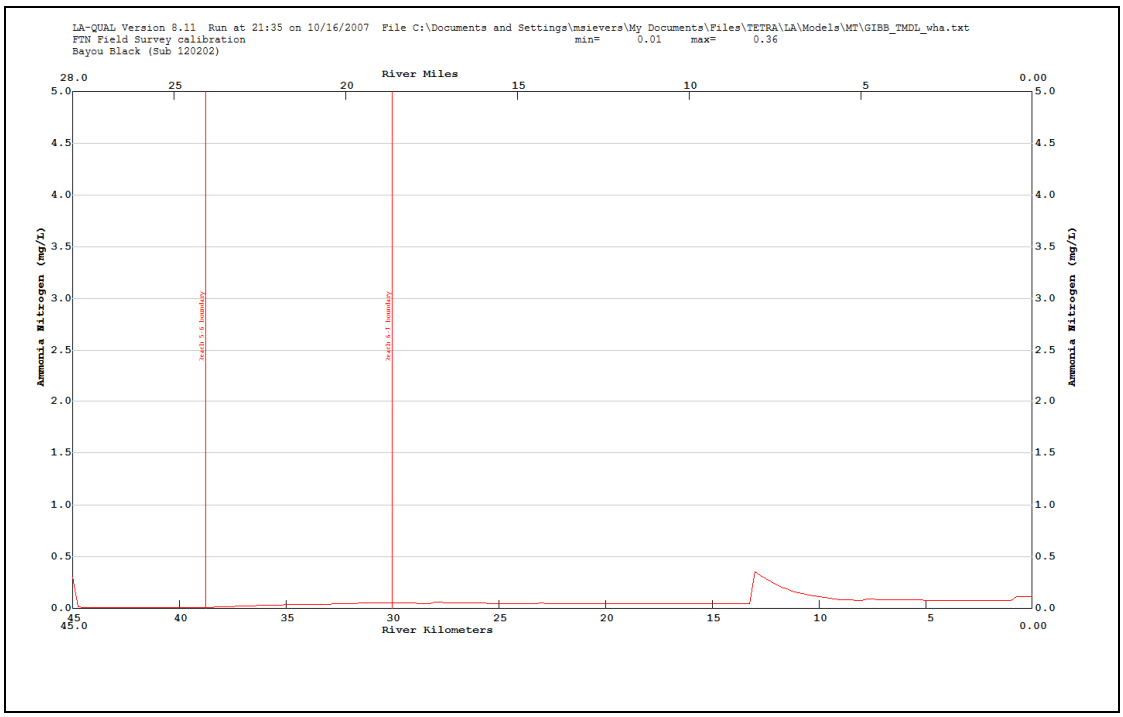


**Figure G-2. Predicted ammonia results for subsegment 120202.**

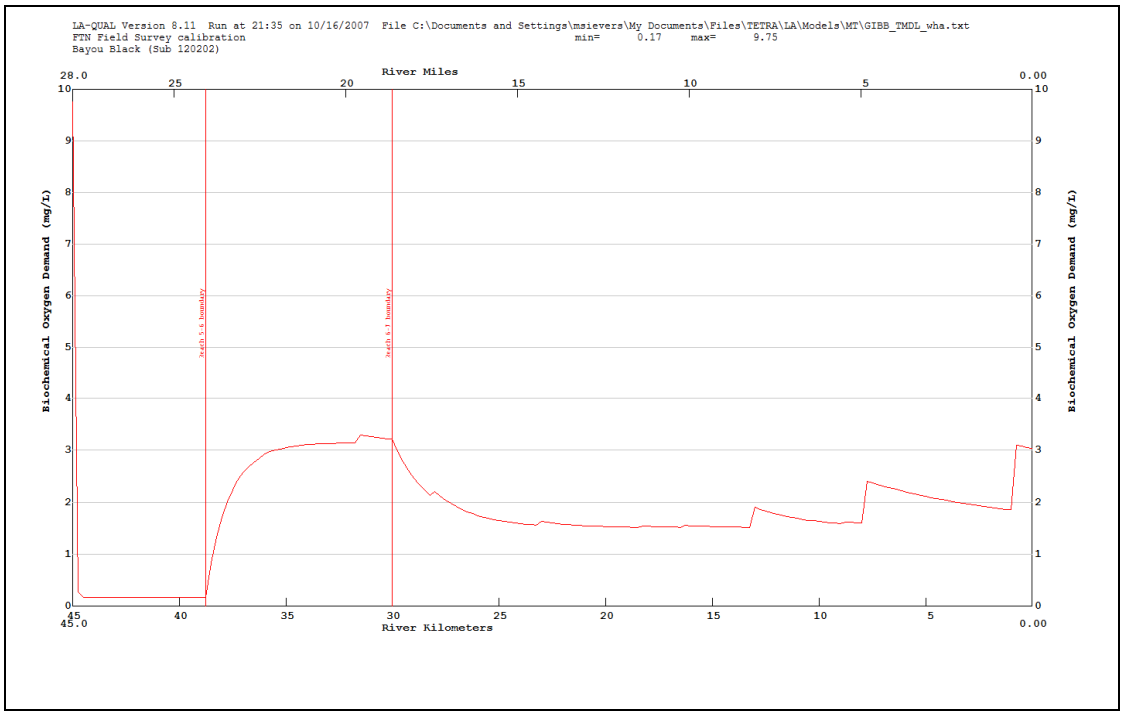


**Figure G-3. Predicted BOD results for subsegment 120202.**

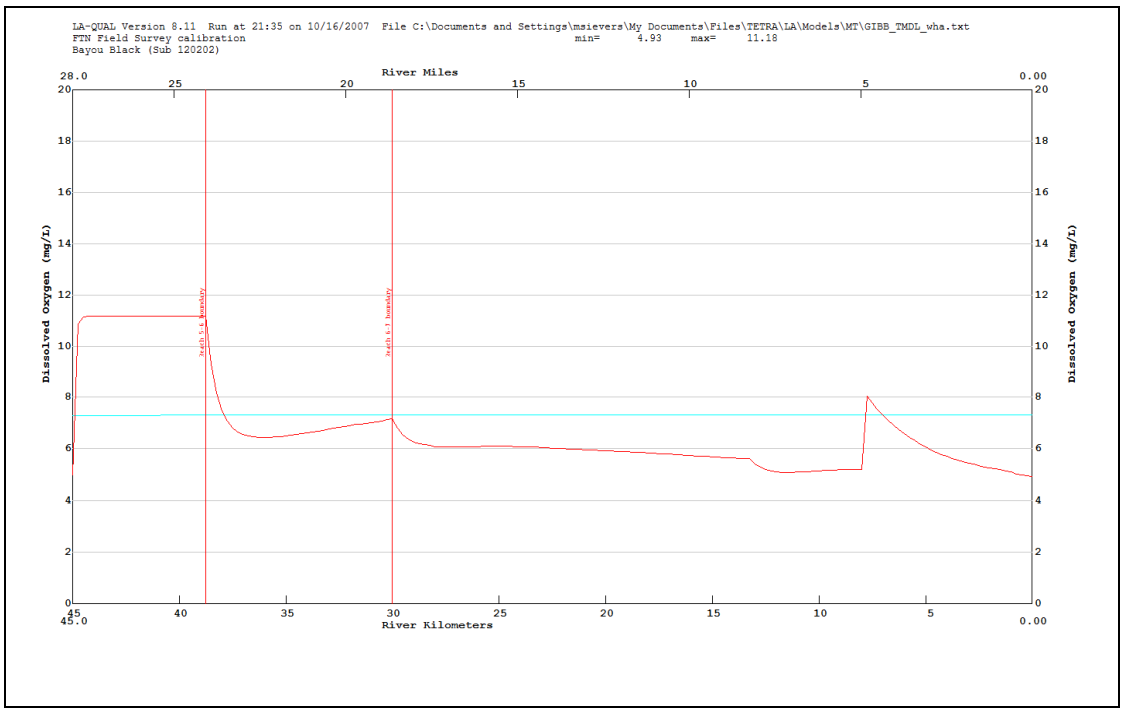


**Figure G-4. Predicted DO results for subsegment 120202.**

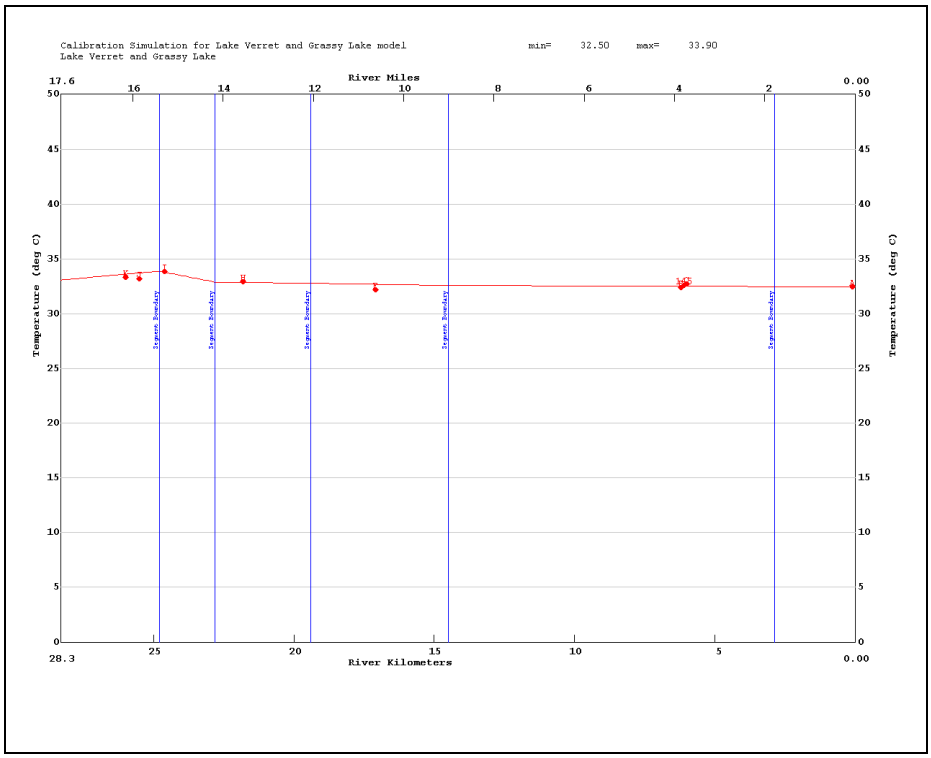


**Figure G-5. Predicted temperature results for subsegment 120204.**

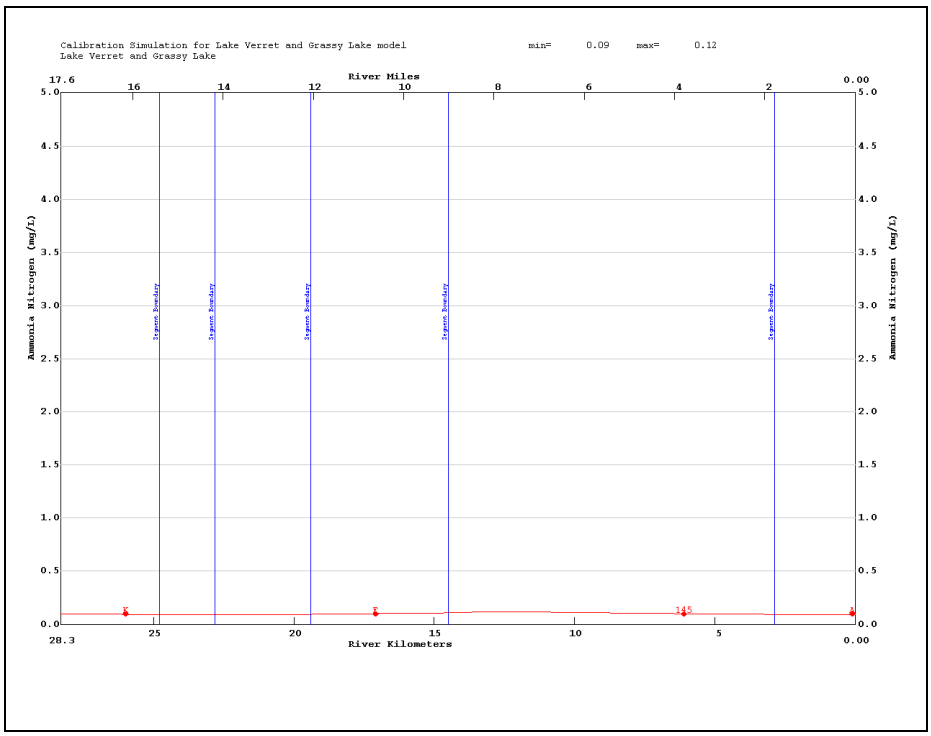


**Figure G-6. Predicted ammonia results for subsegment 120204.**

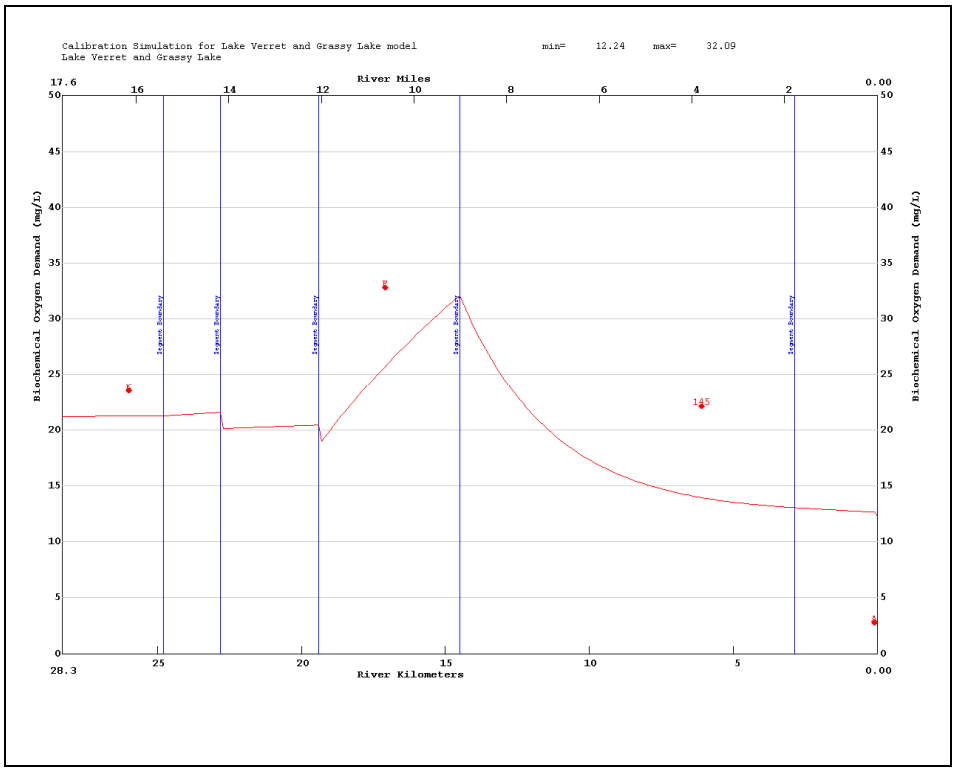


**Figure G-7. Predicted BOD results for subsegment 120204.**

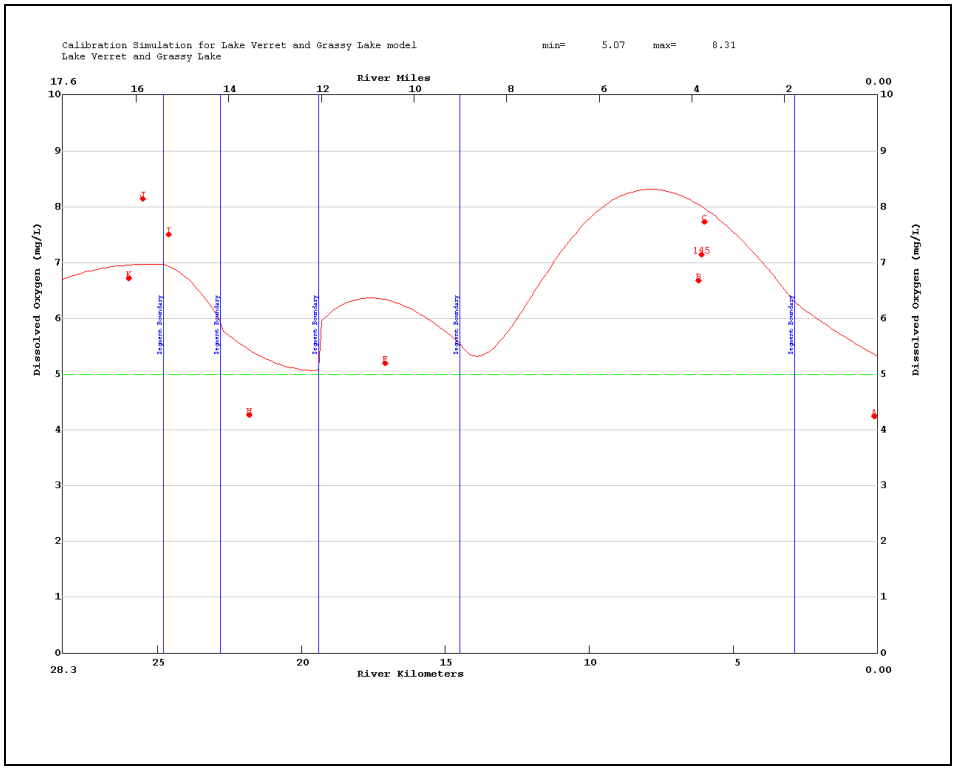


**Figure G-8. Predicted DO results for subsegment 120204.**

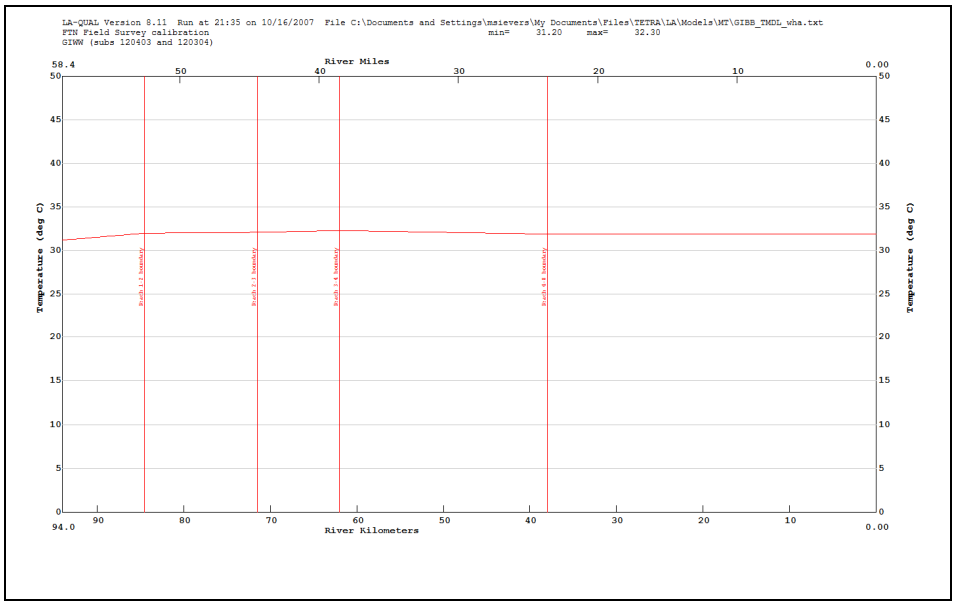


**Figure G-9. Predicted temperature results for subsegments 120304 and 120403.**

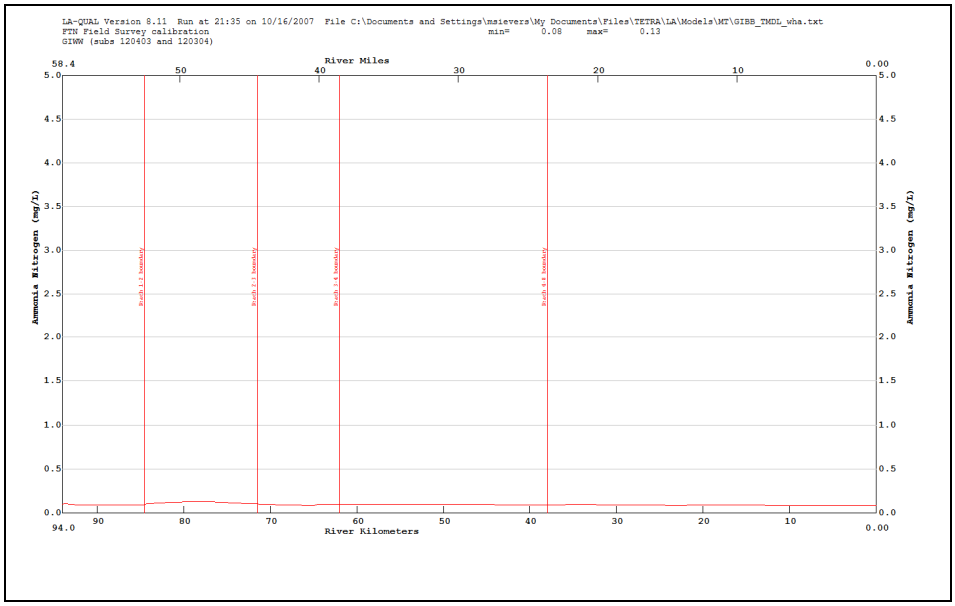


**Figure G-10. Predicted ammonia results for subsegments 120304 and 120403.**

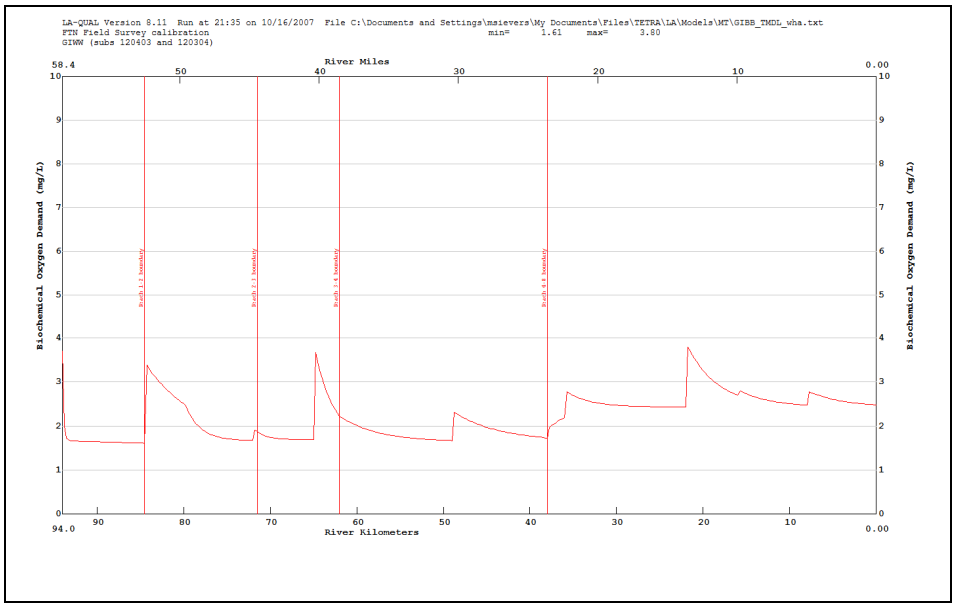


**Figure G-11. Predicted BOD results for subsegments 120304 and 120403.**

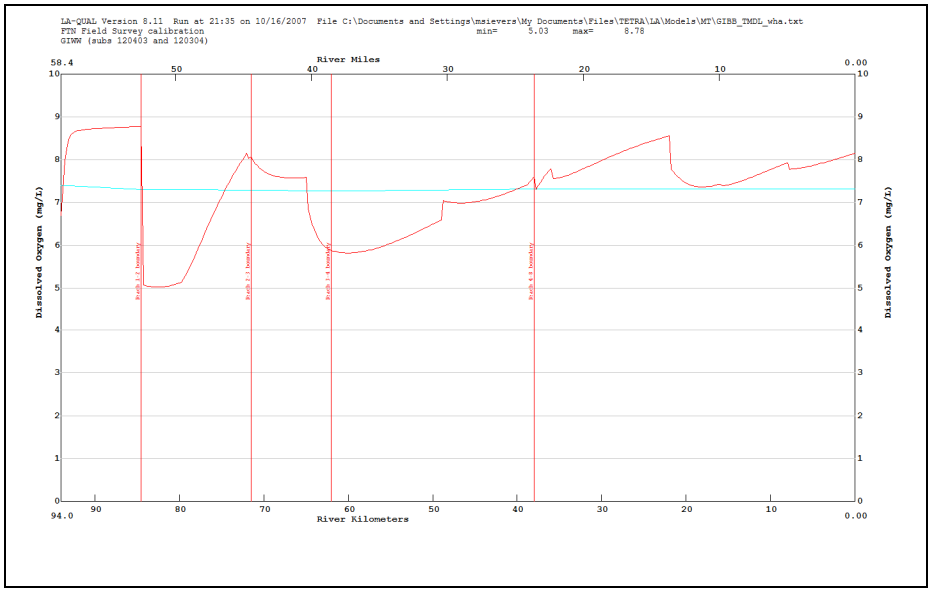


**Figure G-12. Predicted DO results for subsegments 120304 and 120403.**

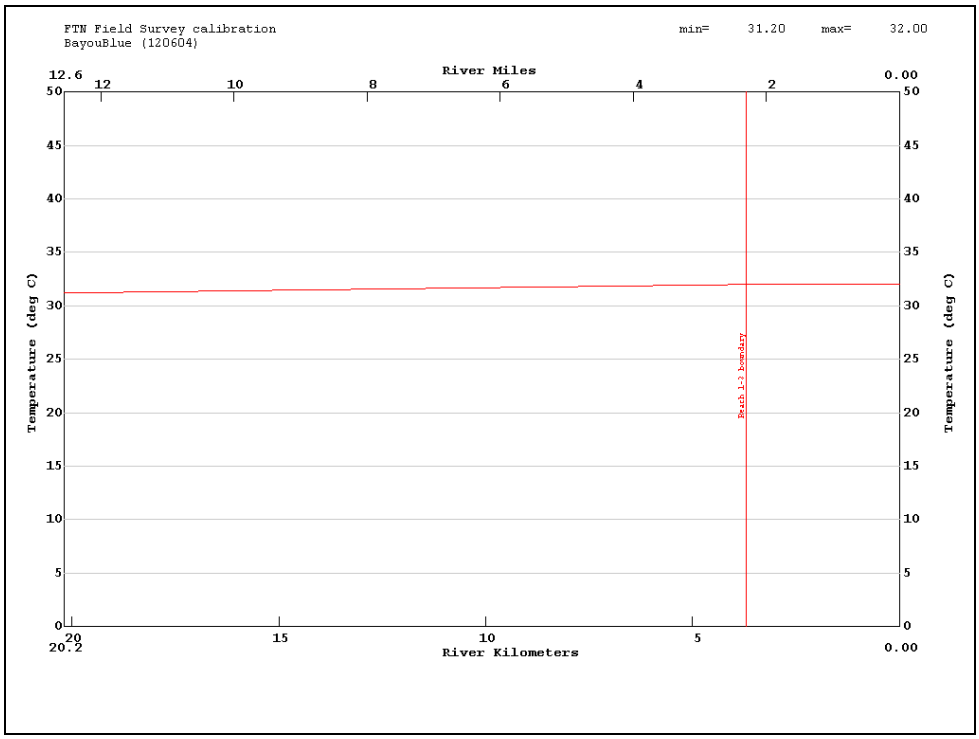


**Figure G-13. Predicted temperature results for subsegment 120604.**

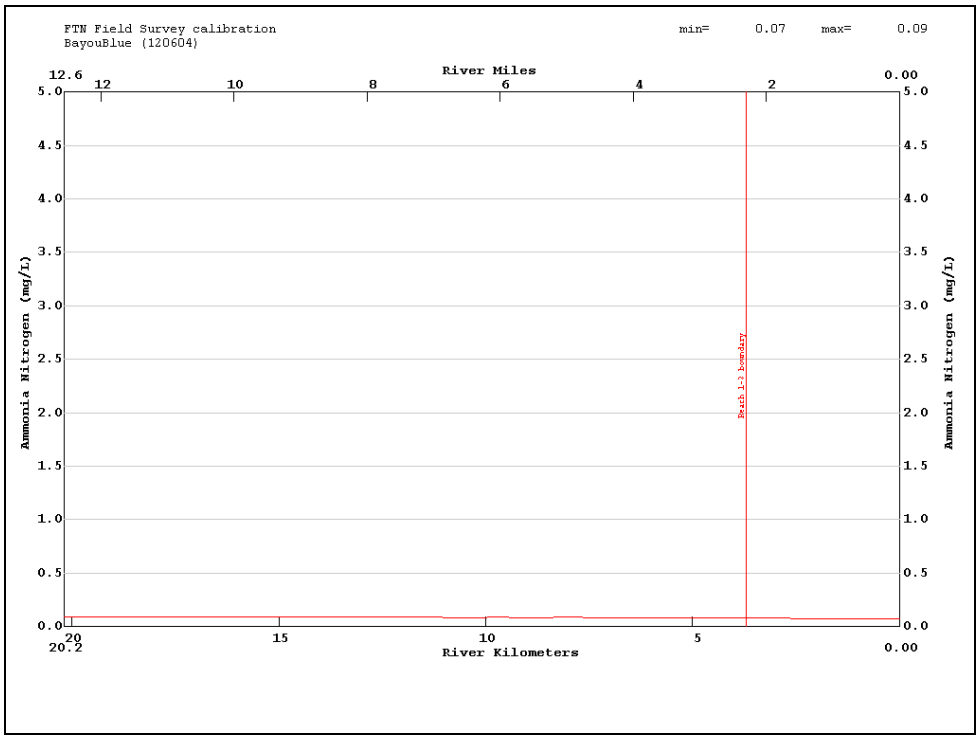


**Figure G-14. Predicted ammonia results for subsegment 120604.**

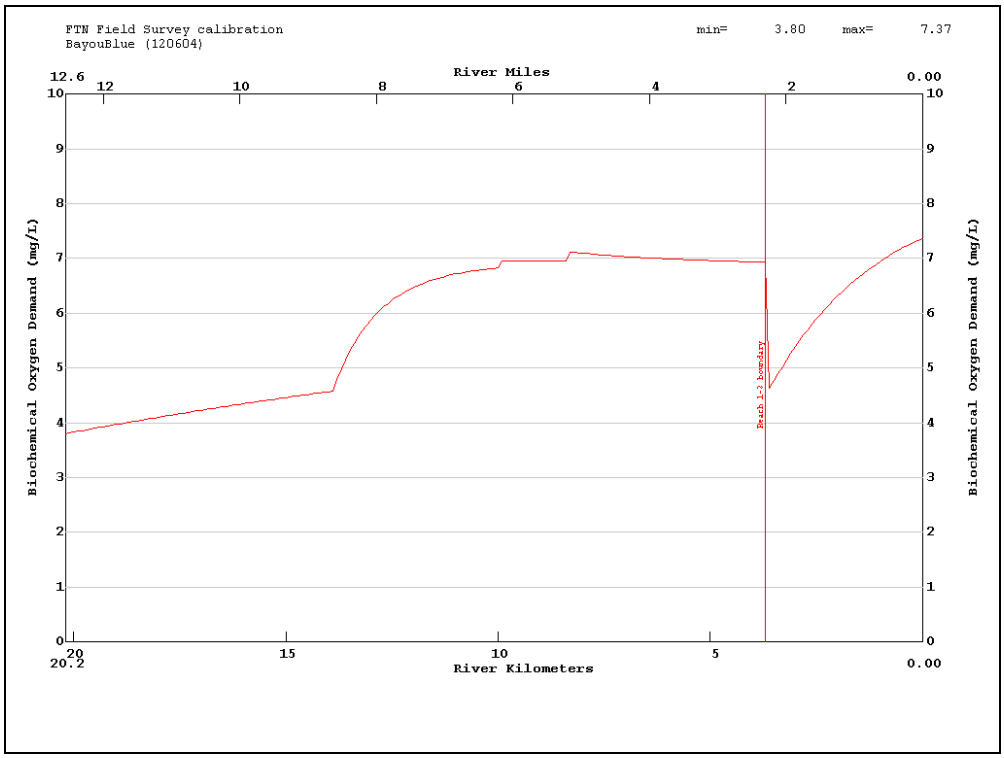


**Figure G-15. Predicted BOD results for subsegment 120604.**

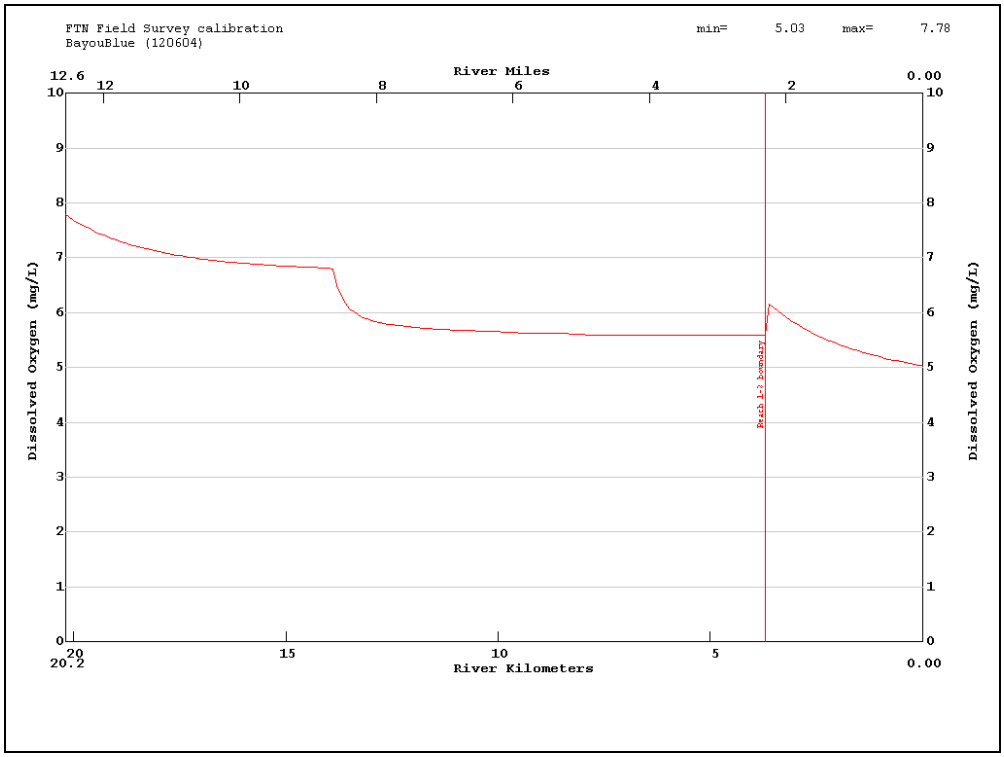


**Figure G-16. Predicted DO results for subsegment 120604.**

# APPENDIX H:
# SENSITIVITY ANALYSIS PLOTS


Figure H-1. BOD sensitivity results (BOD settling rate) for subsegment 120202. ..... 1
Figure H-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120202.. 1
Figure H-3. BOD sensitivity results (dispersion) for subsegment 120202. ..... 2
Figure H-4. BOD sensitivity results (reaeration) for subsegment 120202. ..... 2
Figure H-5. BOD sensitivity results (background SOD) for subsegment 120202. ..... 3
Figure H-6. BOD sensitivity results (stream velocity) for subsegment 120202. ..... 3
Figure H-7. DO sensitivity results (BOD settling rate) for subsegment 120202. ..... 4
Figure H-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120202. ... 4
Figure H-9. DO sensitivity results (dispersion) for subsegment 120202. ..... 5
Figure H-10. DO sensitivity results (reaeration) for subsegment 120202. ..... 5
Figure H-11. DO sensitivity results (background SOD) for subsegment 120202. ..... 6
Figure H-12. DO sensitivity results (stream velocity) for subsegment 120202. ..... 6
Figure H-13. BOD sensitivity results (BOD settling rate) for subsegment 120204. ..... 7
Figure H-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120204.7
Figure H-15. BOD sensitivity results (dispersion) for subsegment 120204. ..... 8
Figure H-16. BOD sensitivity results (reaeration) for subsegment 120204. ..... 8
Figure H-17. BOD sensitivity results (background SOD) for subsegment 120204. ..... 9
Figure H-18. BOD sensitivity results (stream velocity) for subsegment 120204. ..... 9
Figure H-19. DO sensitivity results (BOD settling rate) for subsegment 120204. ..... 10
Figure H-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120204. 10
Figure H-21. DO sensitivity results (dispersion) for subsegment 120204. ..... 11
Figure H-22. DO sensitivity results (reaeration) for subsegment 120204. ..... 11
Figure H-23. DO sensitivity results (background SOD) for subsegment 120204. ..... 12
Figure H-24. DO sensitivity results (stream velocity) for subsegment 120204. ..... 12
Figure H-25. BOD sensitivity results (BOD settling rate) for subsegments 120304 and 120403. ..... 13
Figure H-26. BOD sensitivity results (BOD aerobic decay rate) for subsegments 120304 and 120403. ..... 13
Figure H-27. BOD sensitivity results (dispersion) for subsegments 120304 and 120403. ..... 14
Figure H-28. BOD sensitivity results (reaeration) for subsegments 120304 and 120403. ..... 14
Figure H-29. BOD sensitivity results (background SOD) for subsegments 120304 and 120403. ..... 15
Figure H-30. BOD sensitivity results (stream velocity) for subsegments 120304 and 120403. ..... 15
Figure H-31. DO sensitivity results (BOD settling rate) for subsegments 120304 and 120403. ..... 16
Figure H-32. DO sensitivity results (BOD aerobic decay rate) for subsegments 120304 and 120403. ..... 16
Figure H-33. DO sensitivity results (dispersion) for subsegments 120304 and 120403. 17
Figure H-34. DO sensitivity results (reaeration) for subsegments 120304 and 120403.. 17

Figure H-35. DO sensitivity results (background SOD) for subsegments 120304 and 120403 ..... 18
Figure H-36. DO sensitivity results (stream velocity) for subsegments 120304 and 120403 ..... 18
Figure H-37. BOD sensitivity results (BOD settling rate) for subsegment 120604. ..... 19
Figure H-38. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120604. ..... 19
Figure H-39. BOD sensitivity results (dispersion) for subsegment 120604. ..... 20
Figure H-40. BOD sensitivity results (reaeration) for subsegment 120604. ..... 20
Figure H-41. BOD sensitivity results (background SOD) for subsegment 120604. ..... 21
Figure H-42. BOD sensitivity results (stream velocity) for subsegment 120604. ..... 21
Figure H-43. DO sensitivity results (BOD settling rate) for subsegment 120604. ..... 22
Figure H-44. DO sensitivity results (BOD aerobic decay rate) for subsegment 120604. 22
Figure H-45. DO sensitivity results (dispersion) for subsegment 120604. ..... 23
Figure H-46. DO sensitivity results (reaeration) for subsegment 120604. ..... 23
Figure H-47. DO sensitivity results (background SOD) for subsegment 120604. ..... 24
Figure H-48. DO sensitivity results (stream velocity) for subsegment 120604. ..... 24

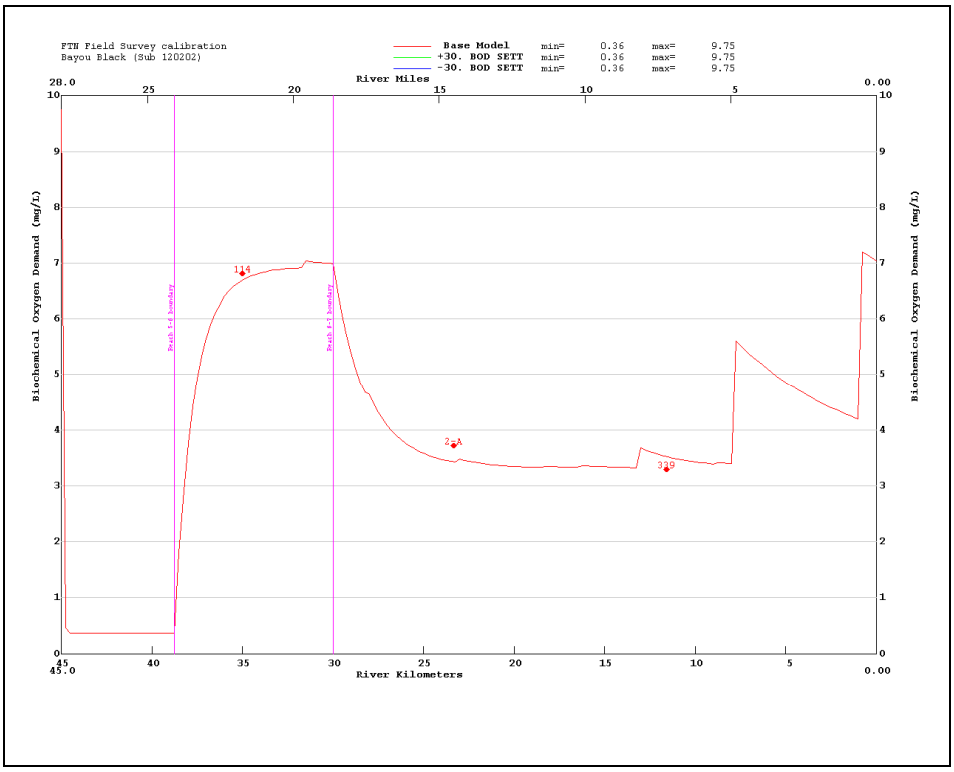


**Figure H-1. BOD sensitivity results (BOD settling rate) for subsegment 120202.**

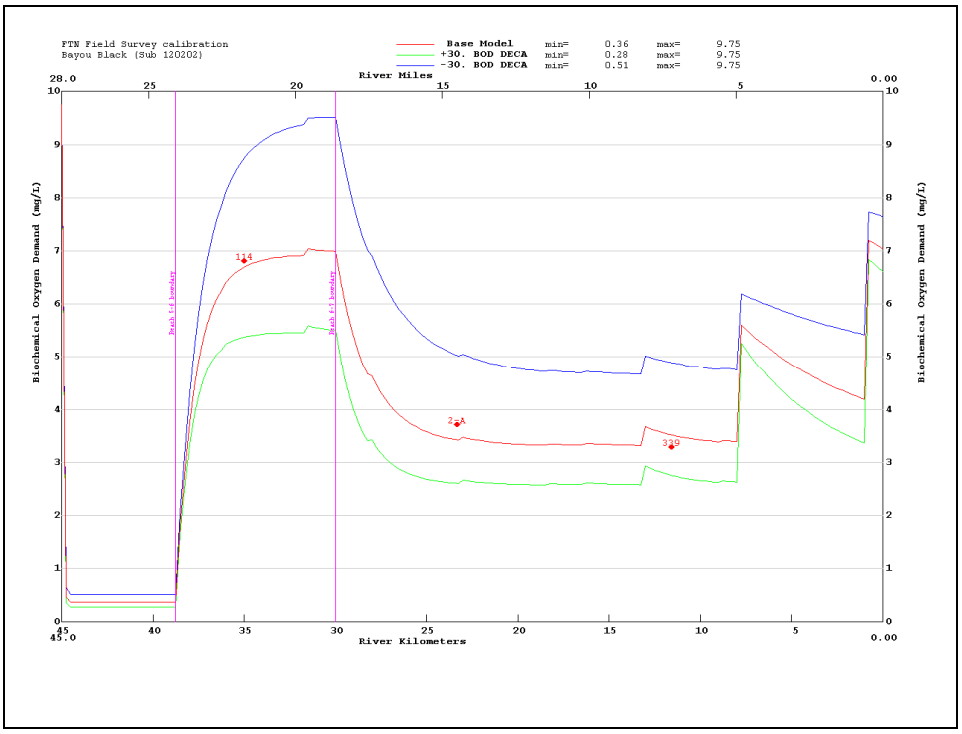


**Figure H-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120202.**

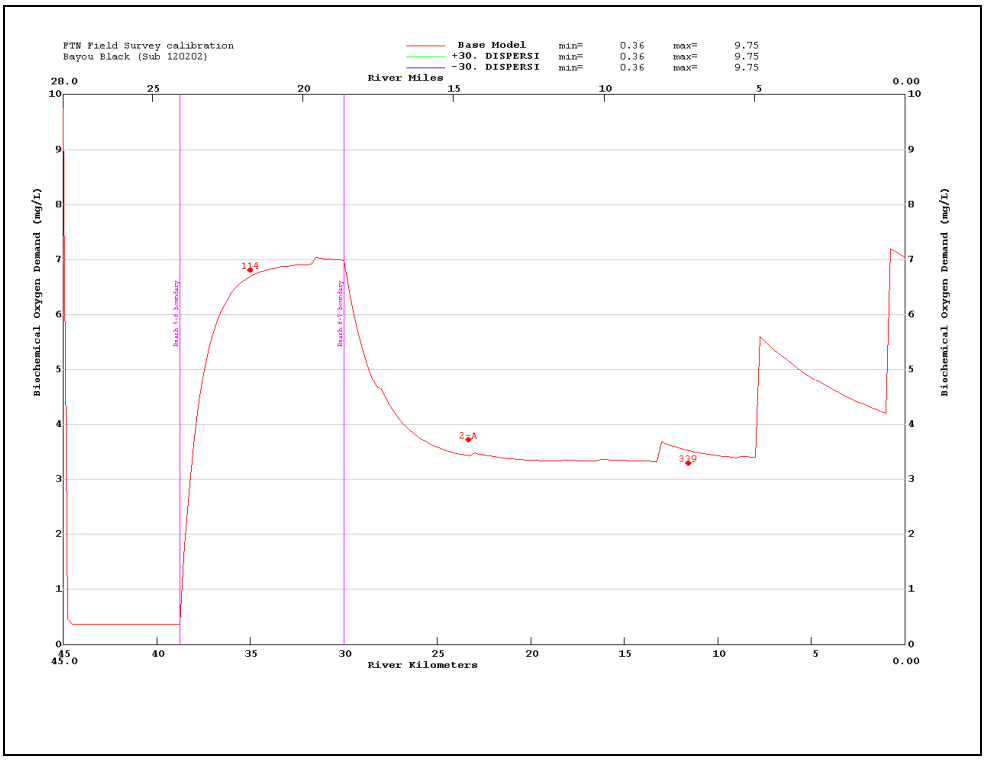


**Figure H-3. BOD sensitivity results (dispersion) for subsegment 120202.**

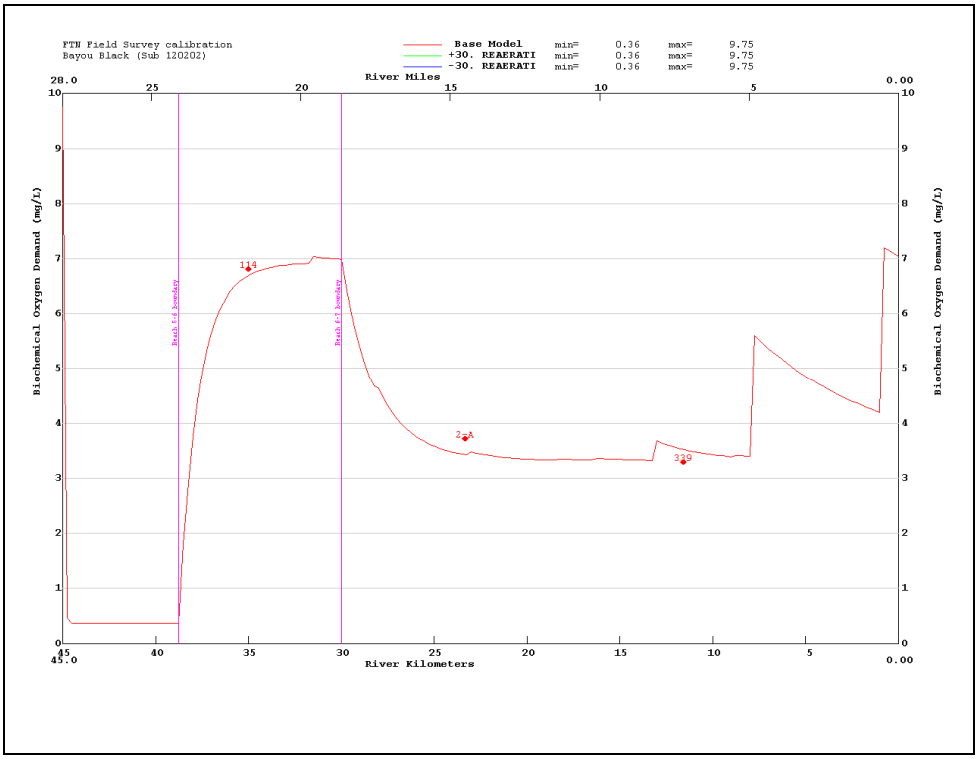


**Figure H-4. BOD sensitivity results (reaeration) for subsegment 120202.**

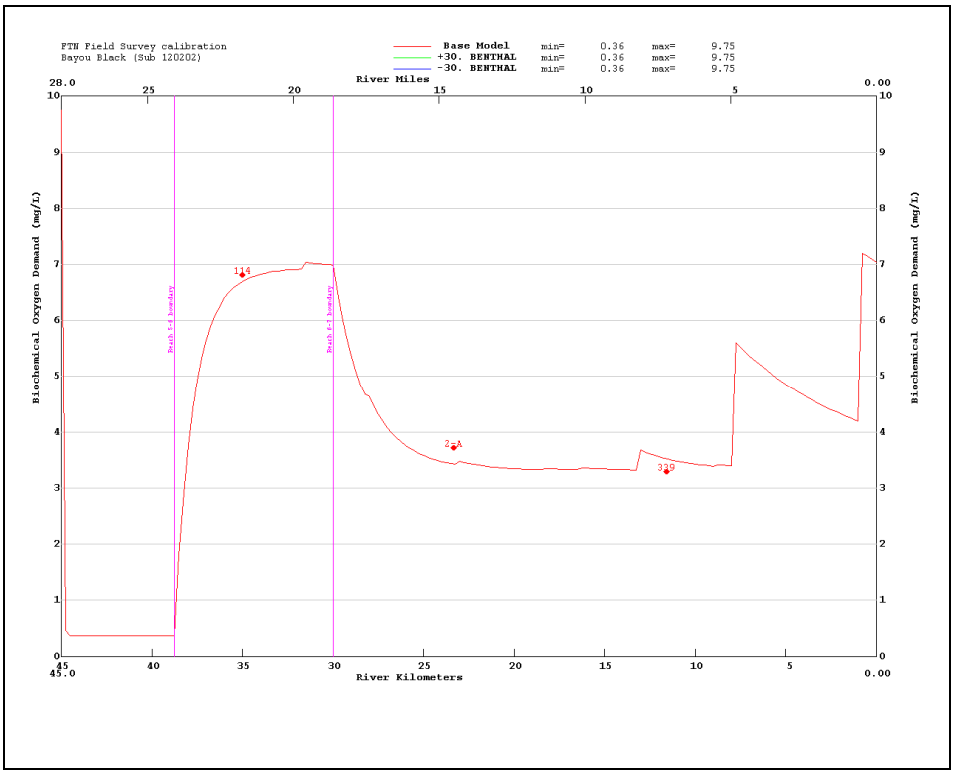


**Figure H-5. BOD sensitivity results (background SOD) for subsegment 120202.**

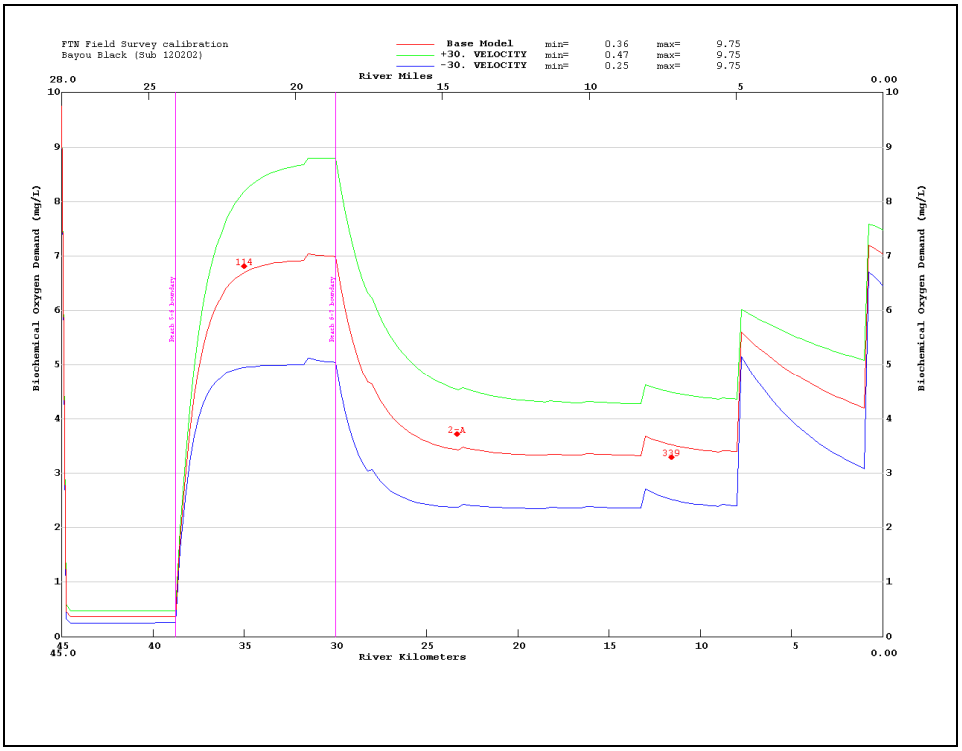


**Figure H-6. BOD sensitivity results (stream velocity) for subsegment 120202.**

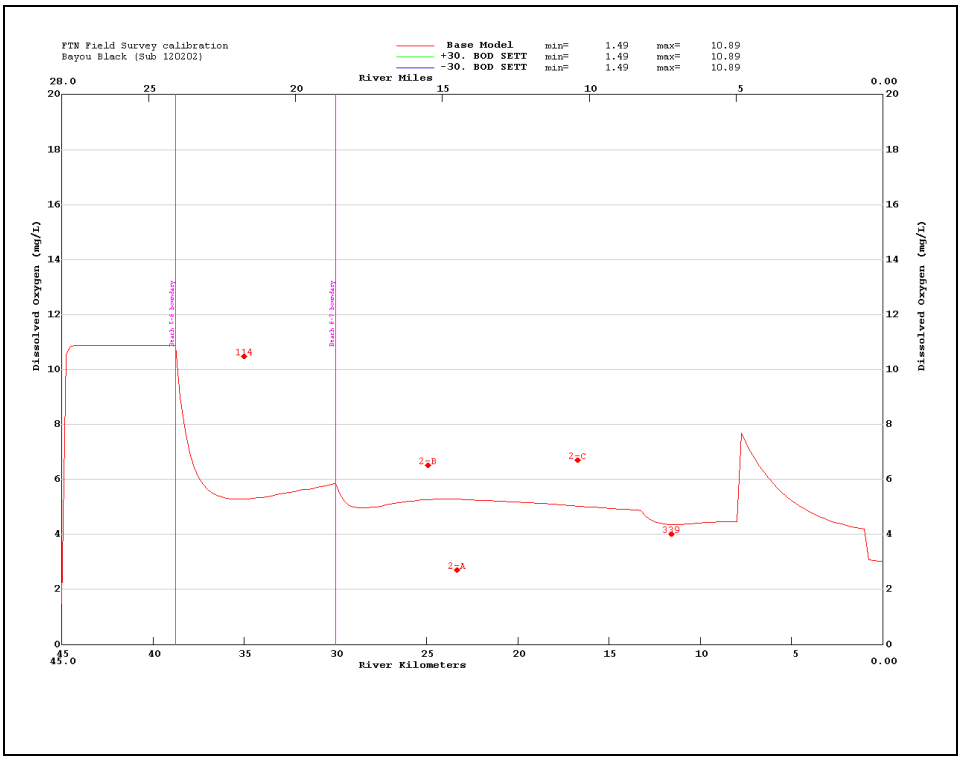


**Figure H-7. DO sensitivity results (BOD settling rate) for subsegment 120202.**

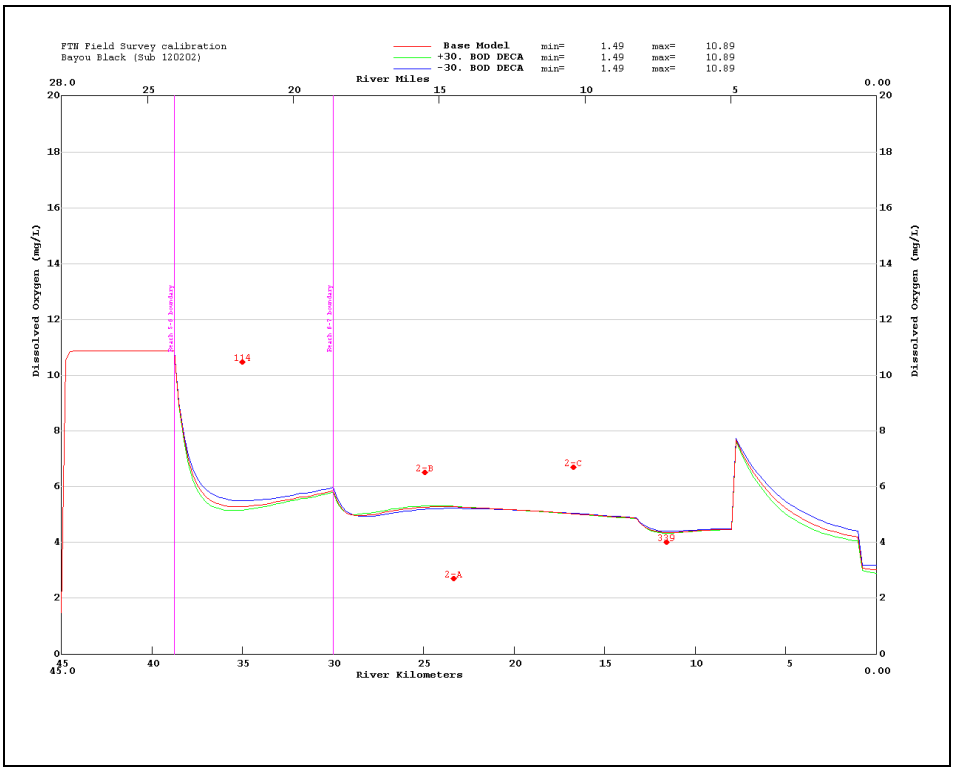


**Figure H-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120202.**

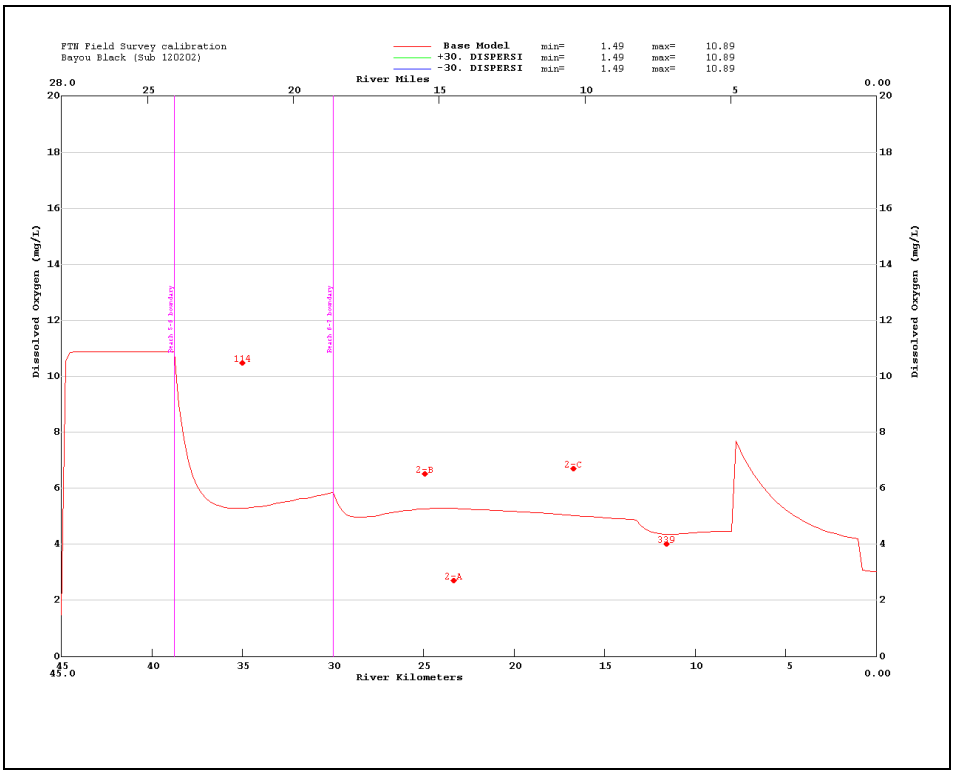


**Figure H-9. DO sensitivity results (dispersion) for subsegment 120202.**

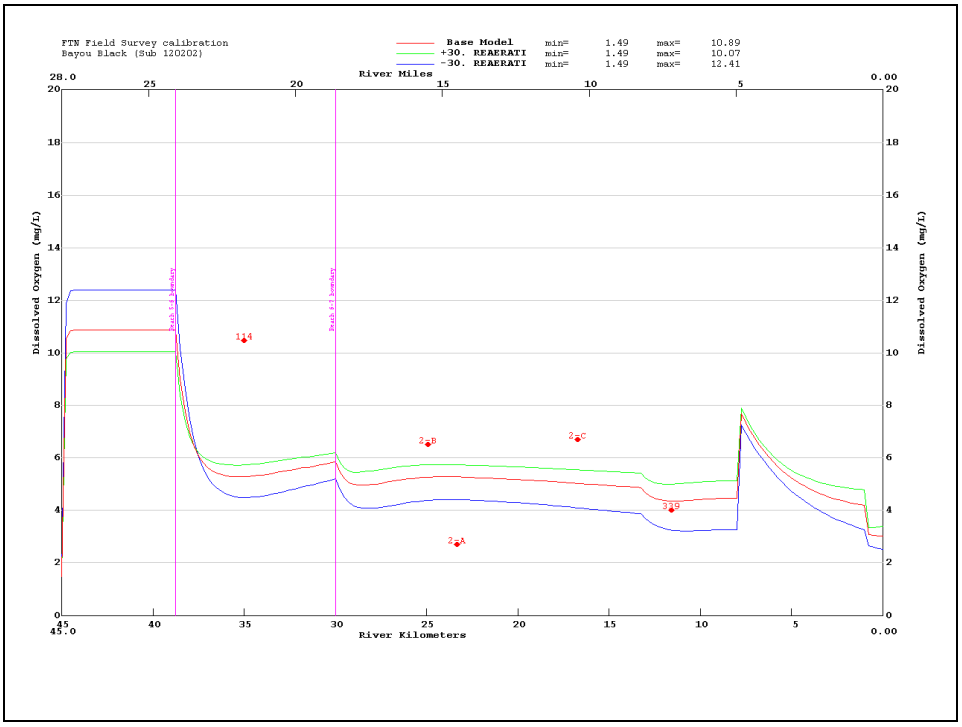


**Figure H-10. DO sensitivity results (reaeration) for subsegment 120202.**

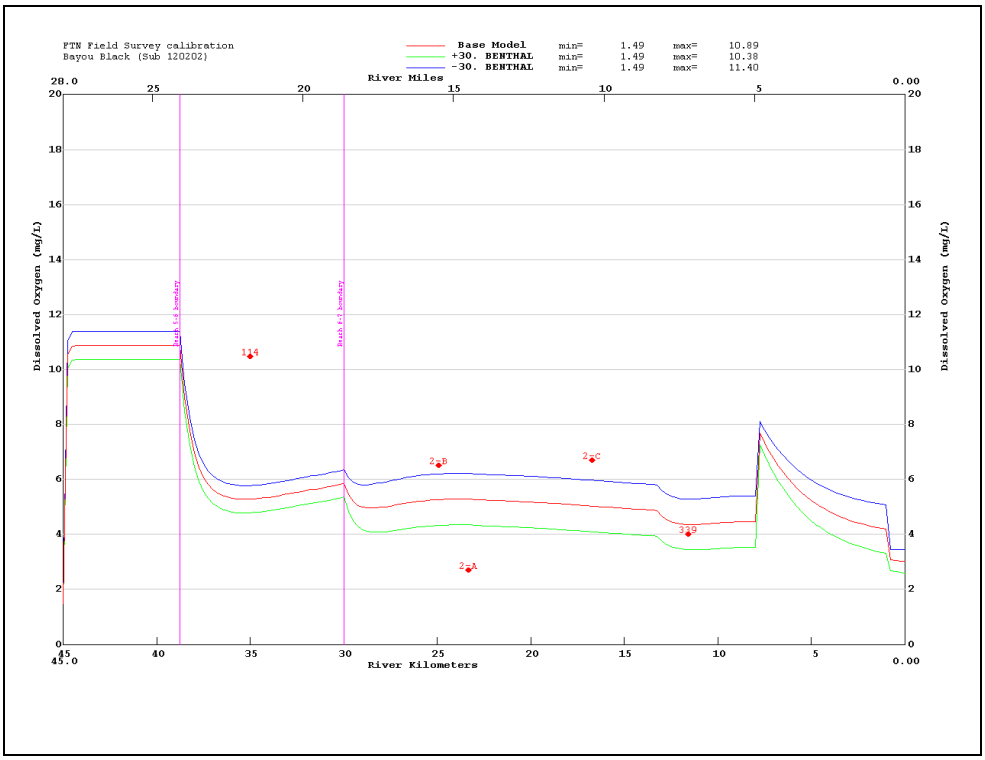


**Figure H-11. DO sensitivity results (background SOD) for subsegment 120202.**

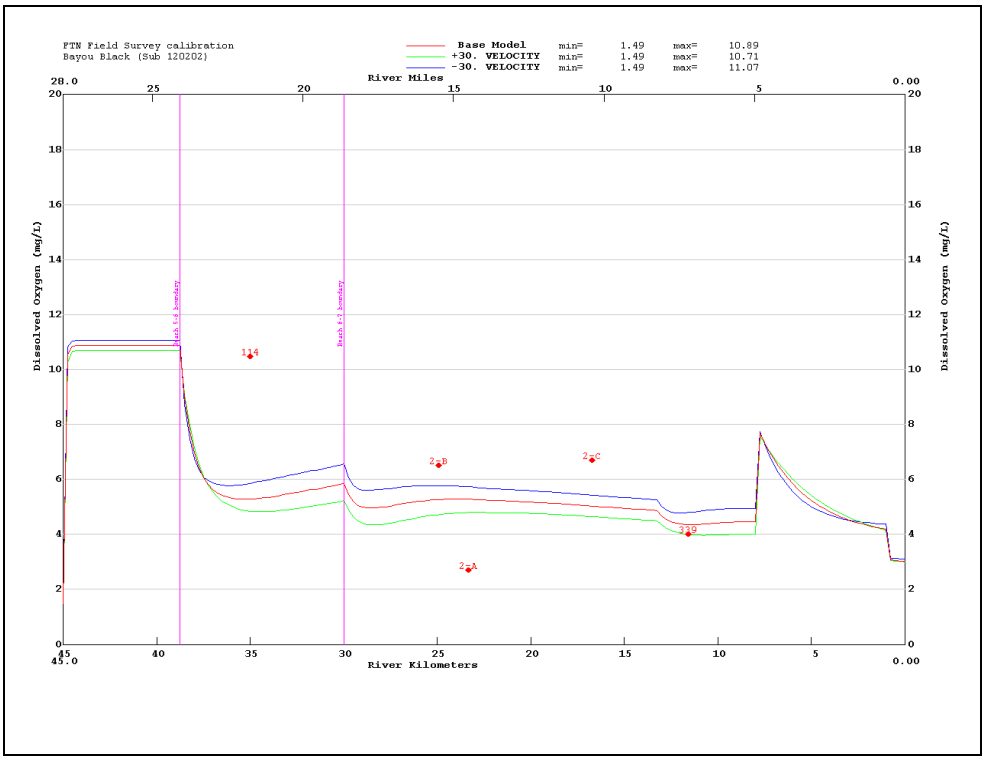


**Figure H-12. DO sensitivity results (stream velocity) for subsegment 120202.**

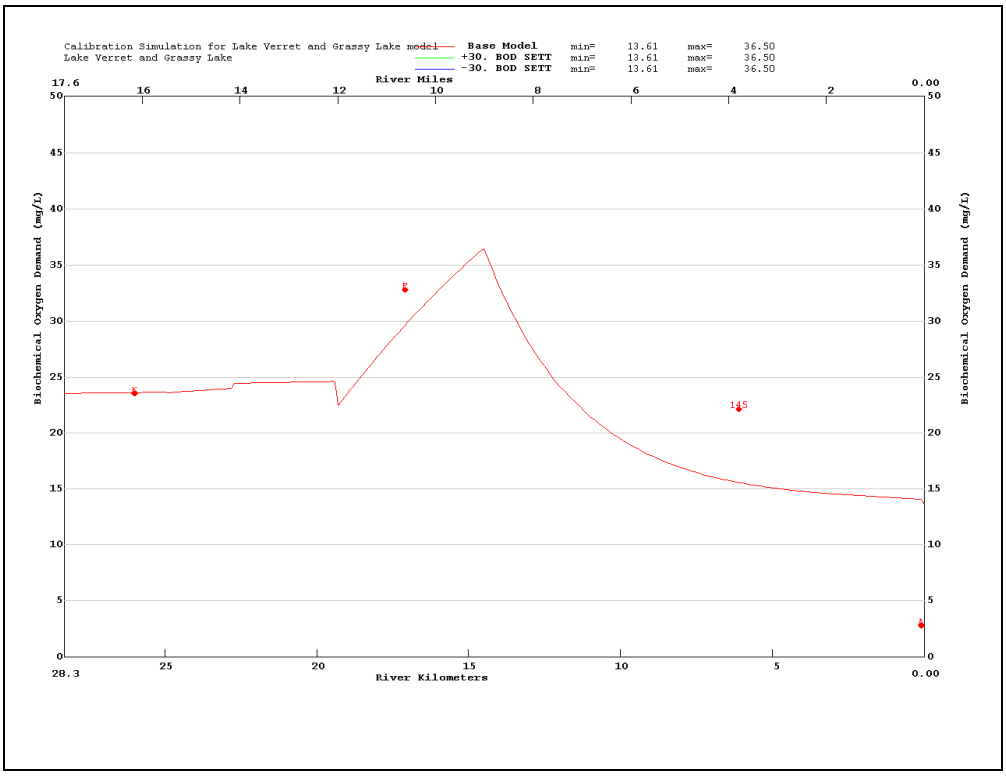


**Figure H-13. BOD sensitivity results (BOD settling rate) for subsegment 120204.**

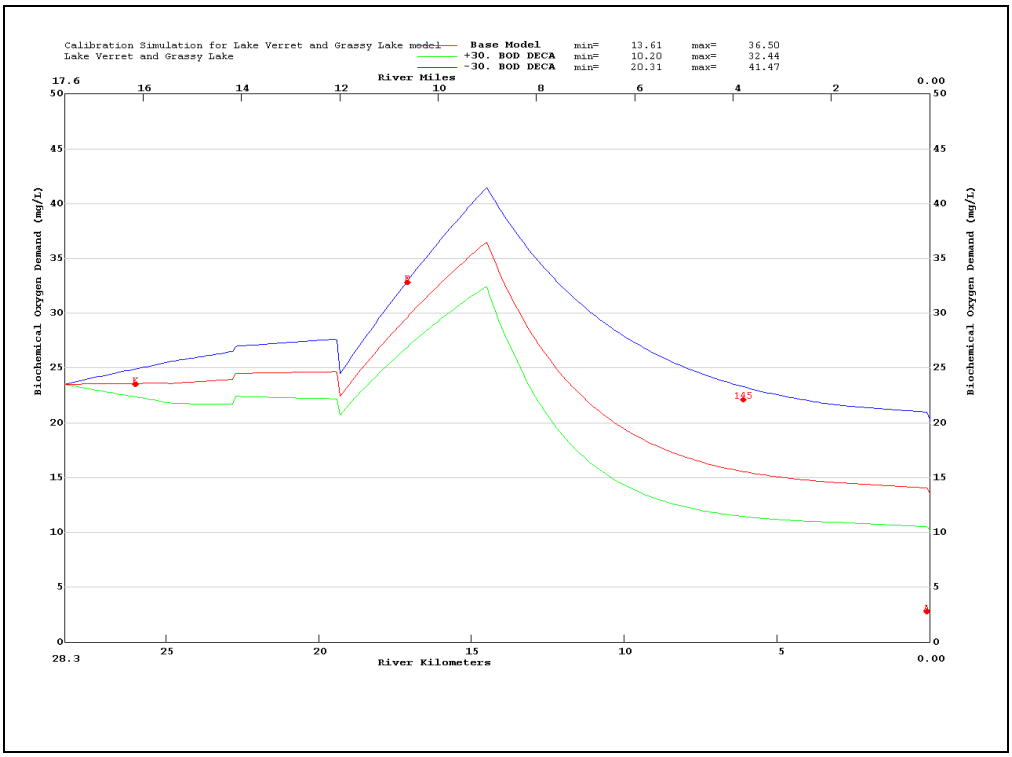


**Figure H-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120204.**

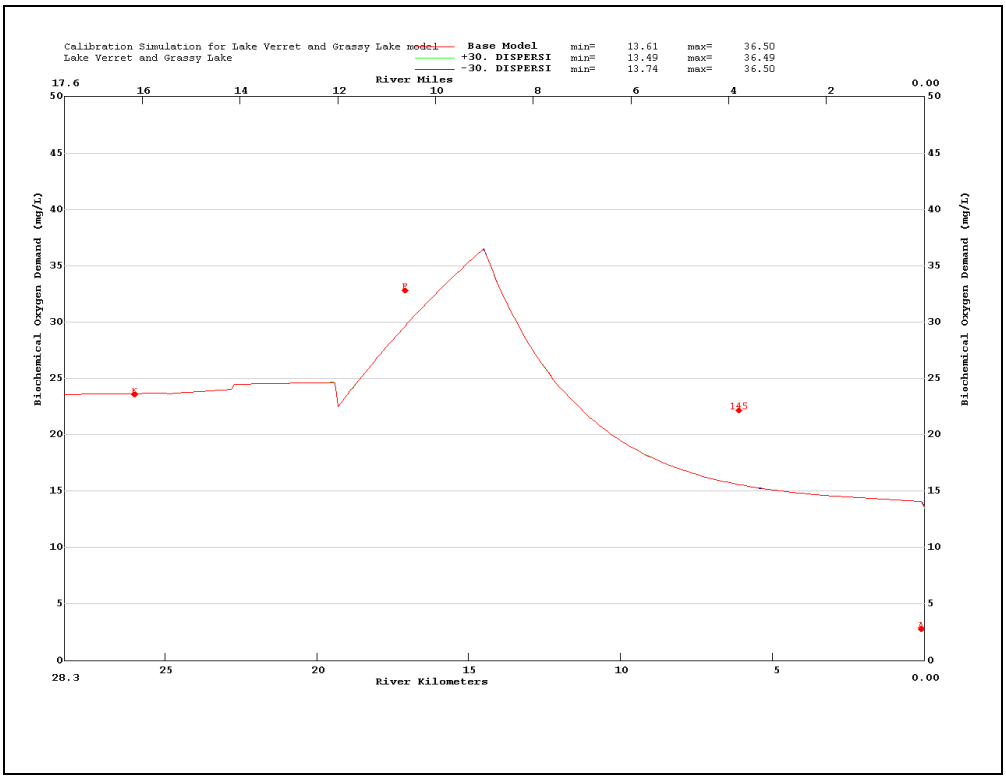


**Figure H-15. BOD sensitivity results (dispersion) for subsegment 120204.**

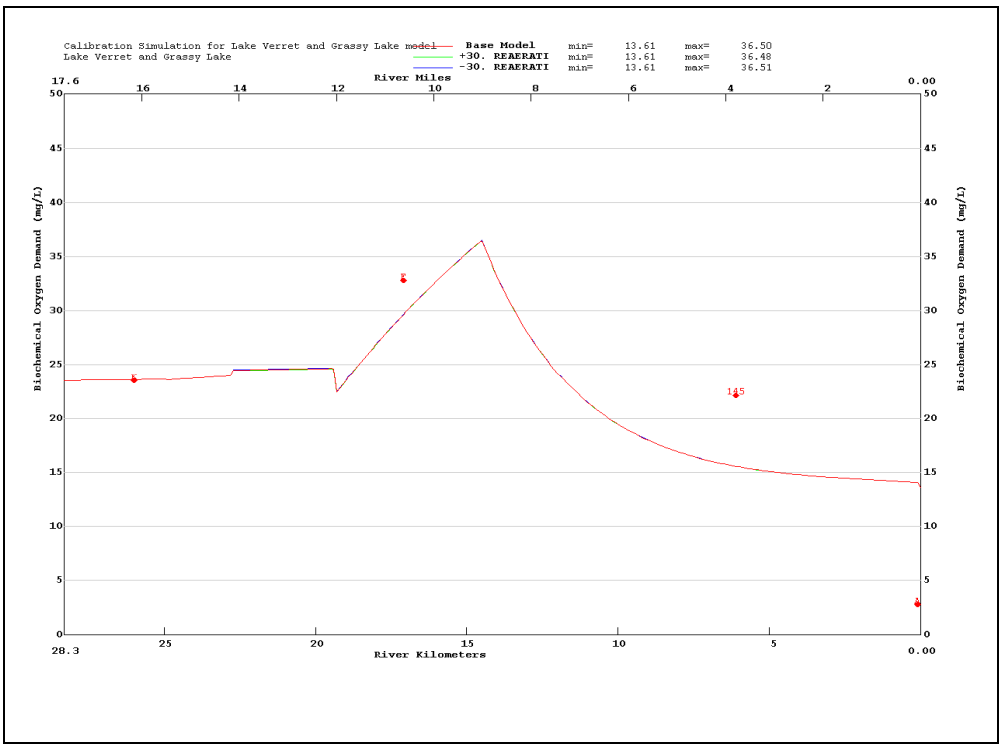


**Figure H-16. BOD sensitivity results (reaeration) for subsegment 120204.**

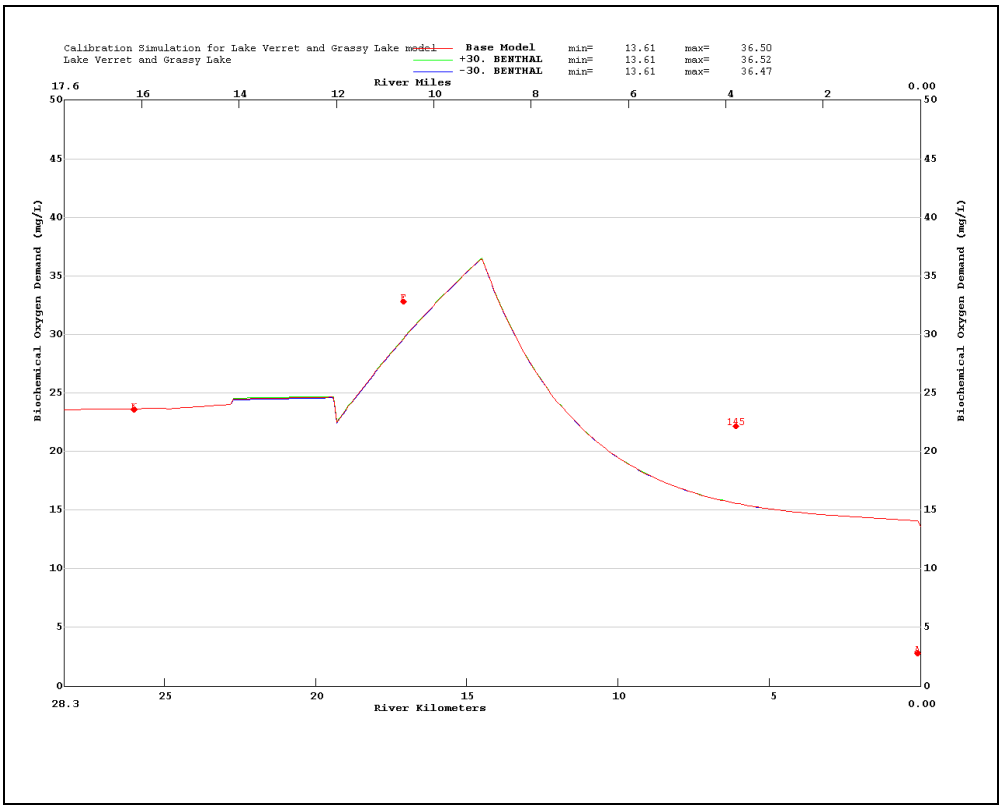


**Figure H-17. BOD sensitivity results (background SOD) for subsegment 120204.**

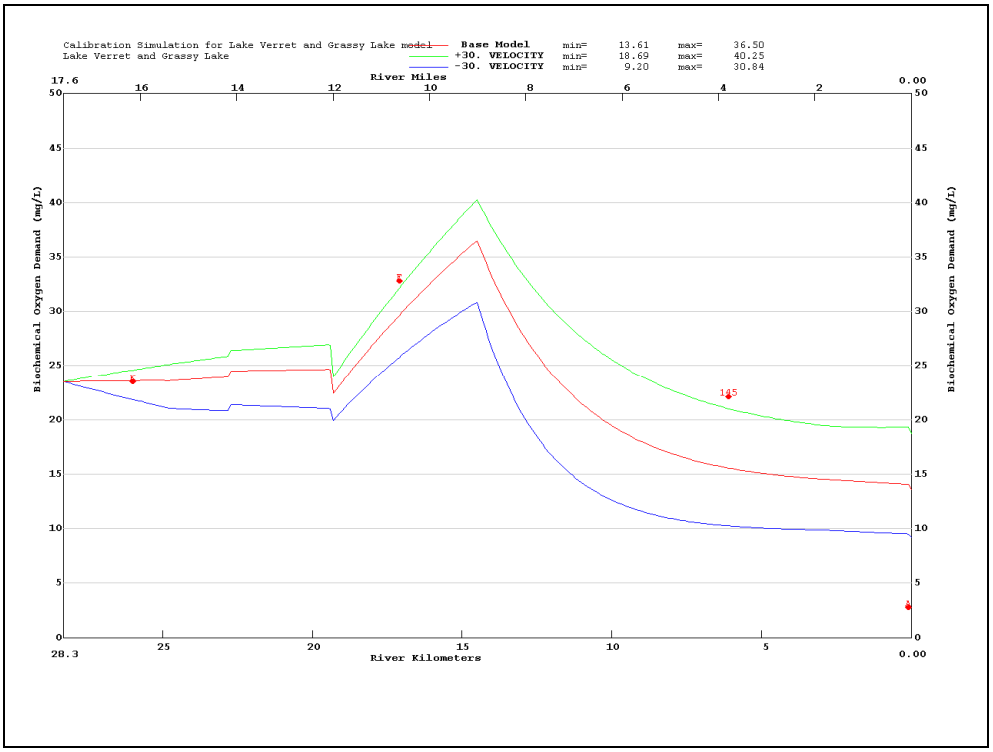


**Figure H-18. BOD sensitivity results (stream velocity) for subsegment 120204.**

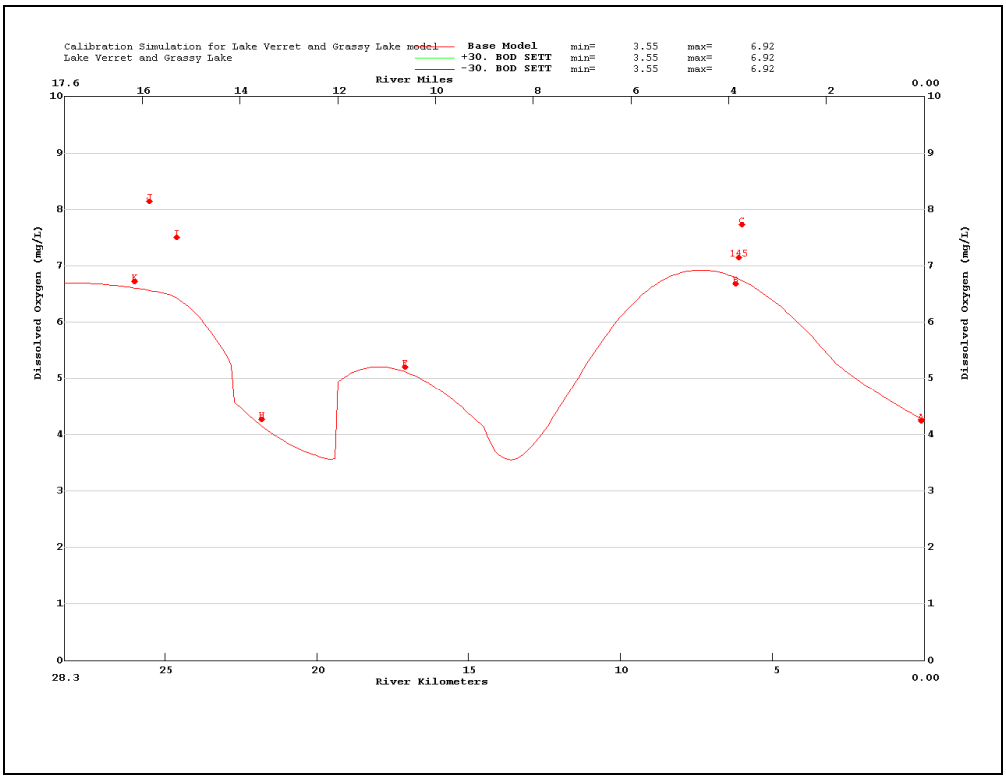


**Figure H-19. DO sensitivity results (BOD settling rate) for subsegment 120204.**

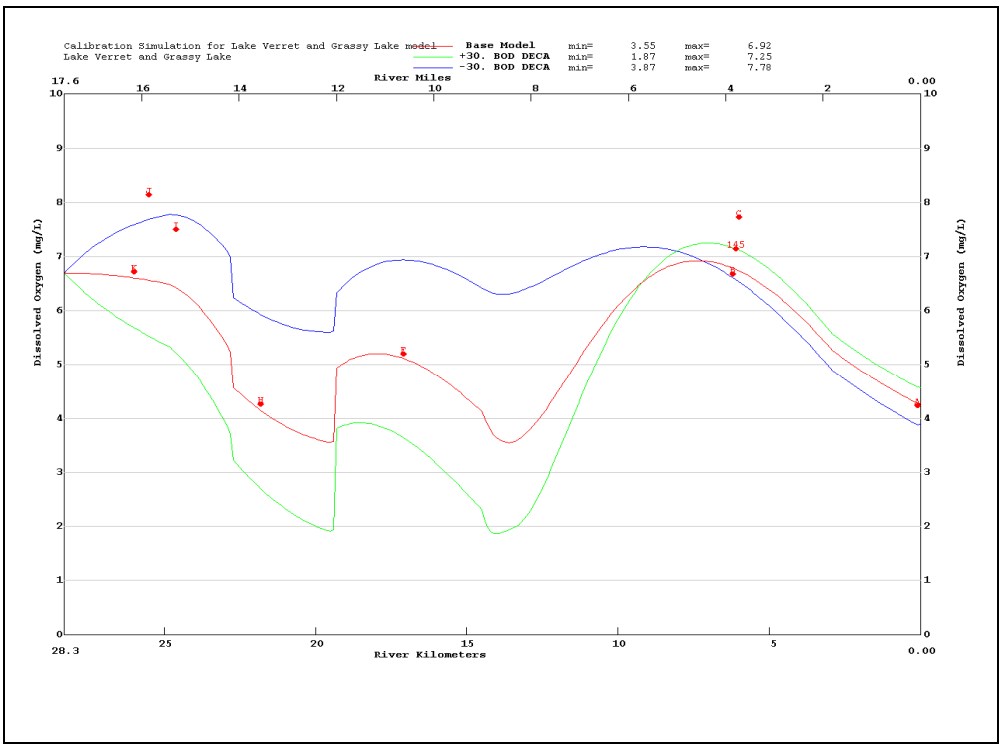


**Figure H-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120204.**

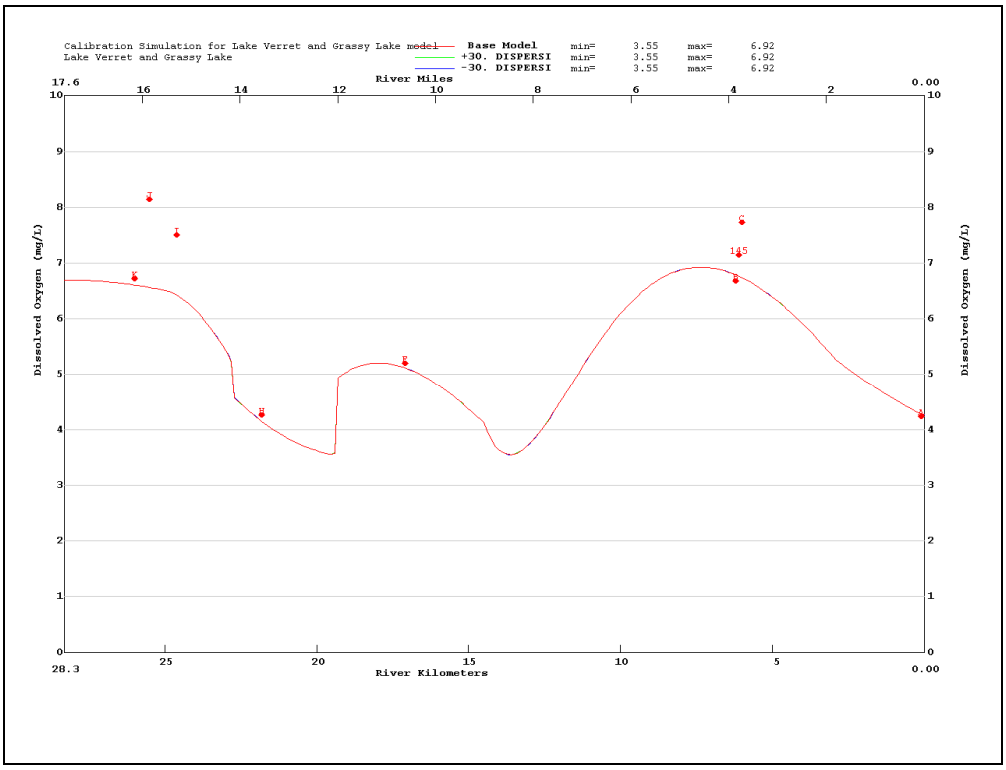


**Figure H-21. DO sensitivity results (dispersion) for subsegment 120204.**

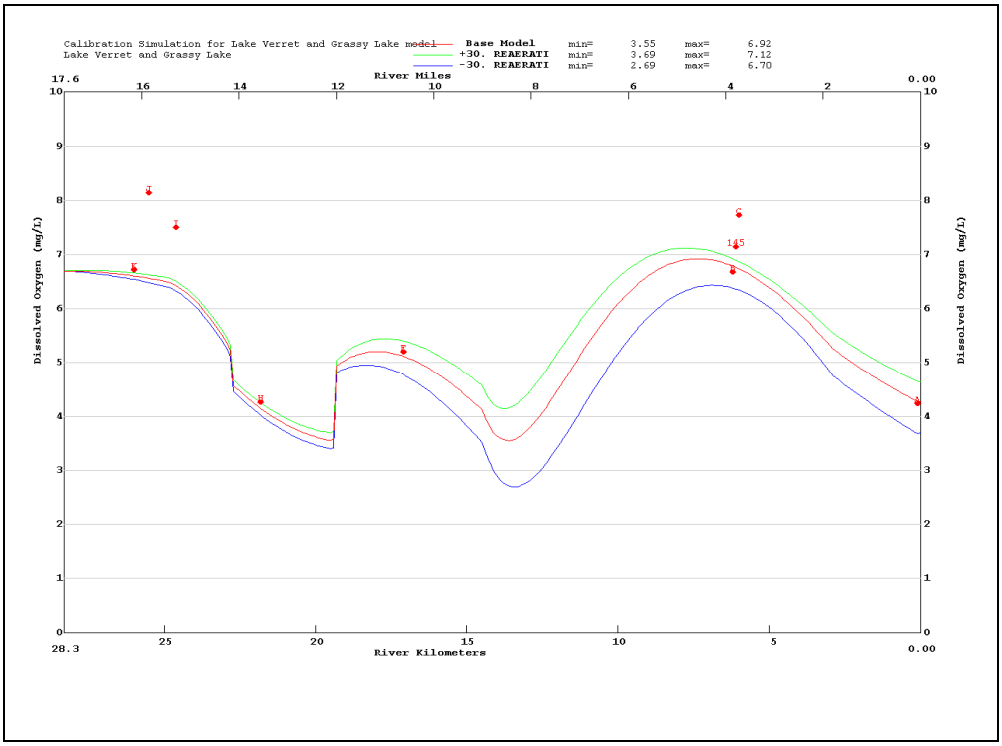


**Figure H-22. DO sensitivity results (reaeration) for subsegment 120204.**

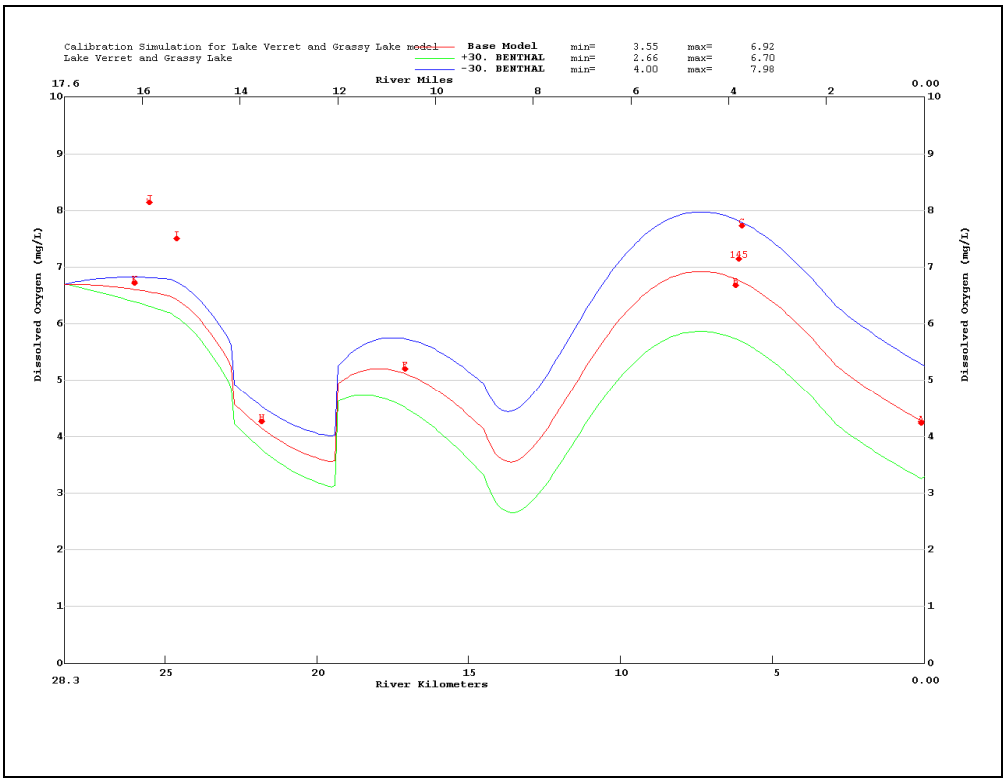


**Figure H-23. DO sensitivity results (background SOD) for subsegment 120204.**

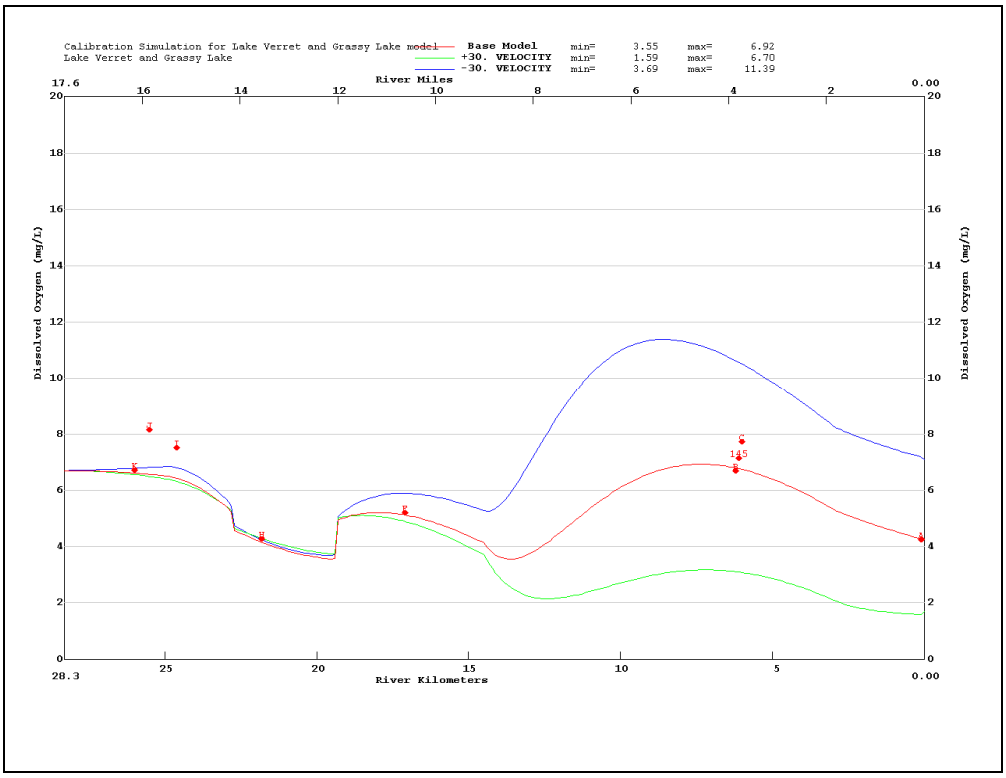


**Figure H-24. DO sensitivity results (stream velocity) for subsegment 120204.**

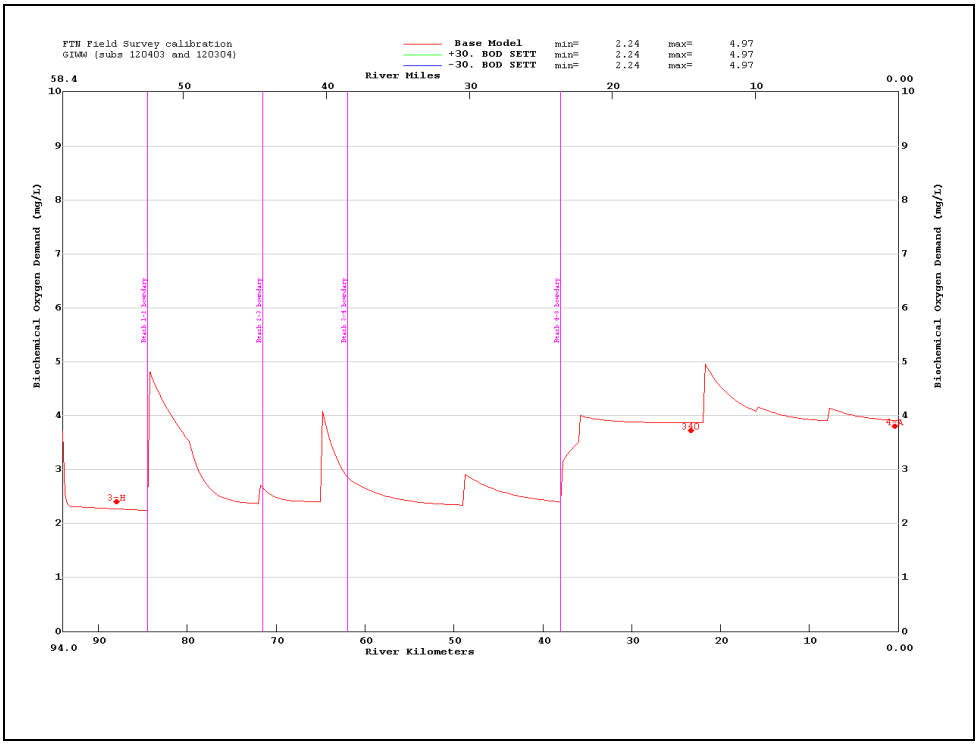


**Figure H-25. BOD sensitivity results (BOD settling rate) for subsegments 120304 and 120403.**

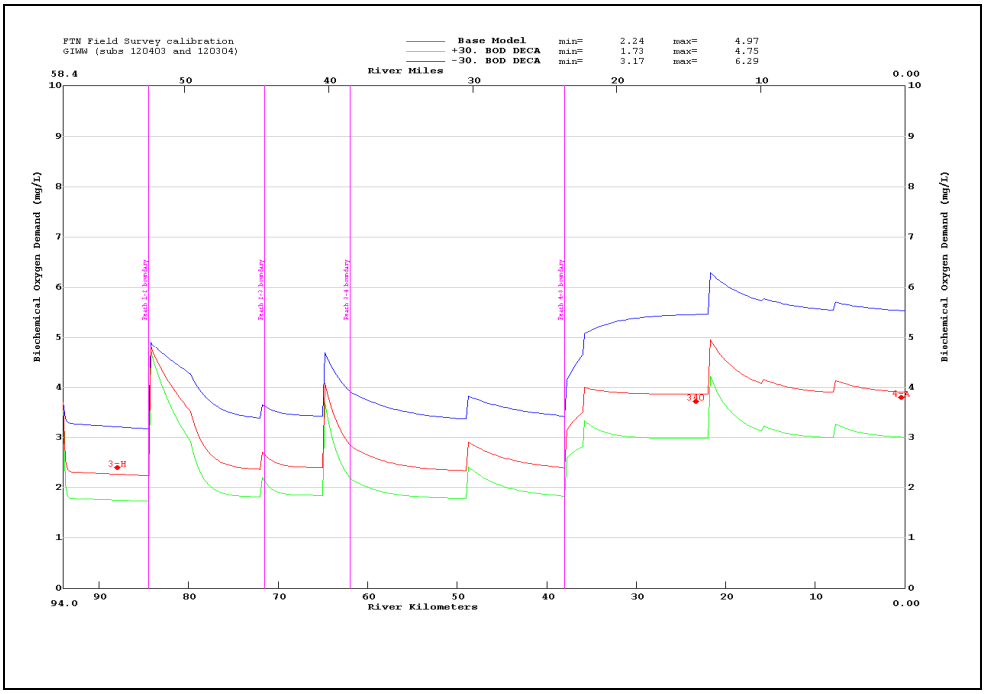


**Figure H-26. BOD sensitivity results (BOD aerobic decay rate) for subsegments 120304 and 120403.**

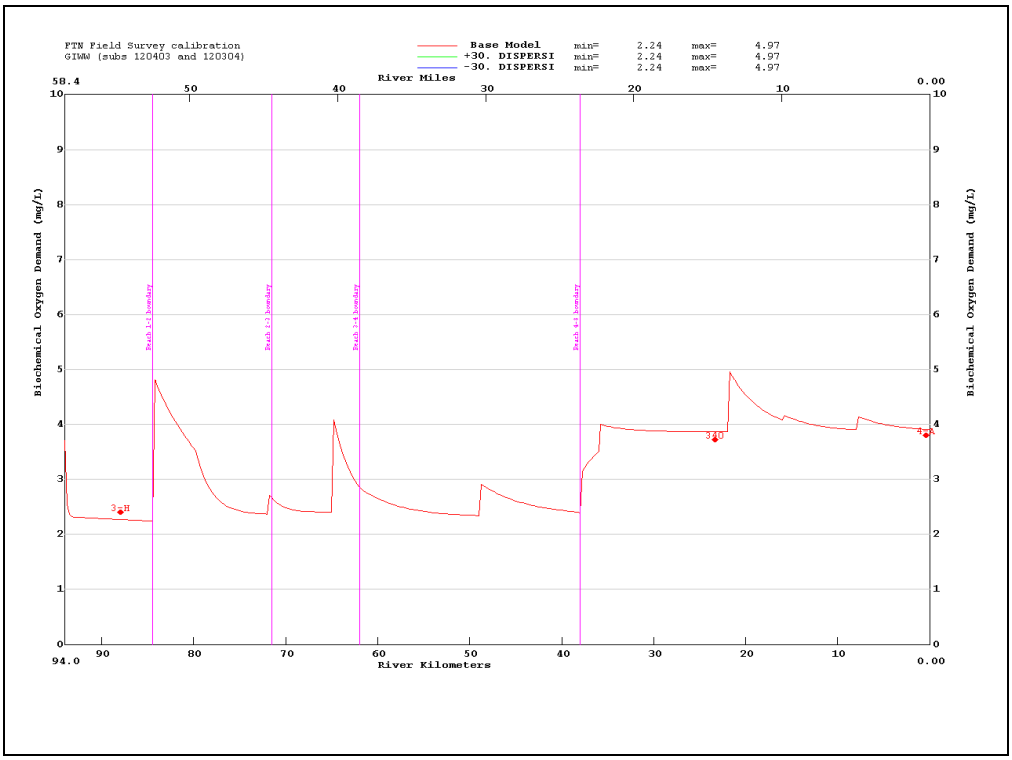


**Figure H-27. BOD sensitivity results (dispersion) for subsegments 120304 and 120403.**

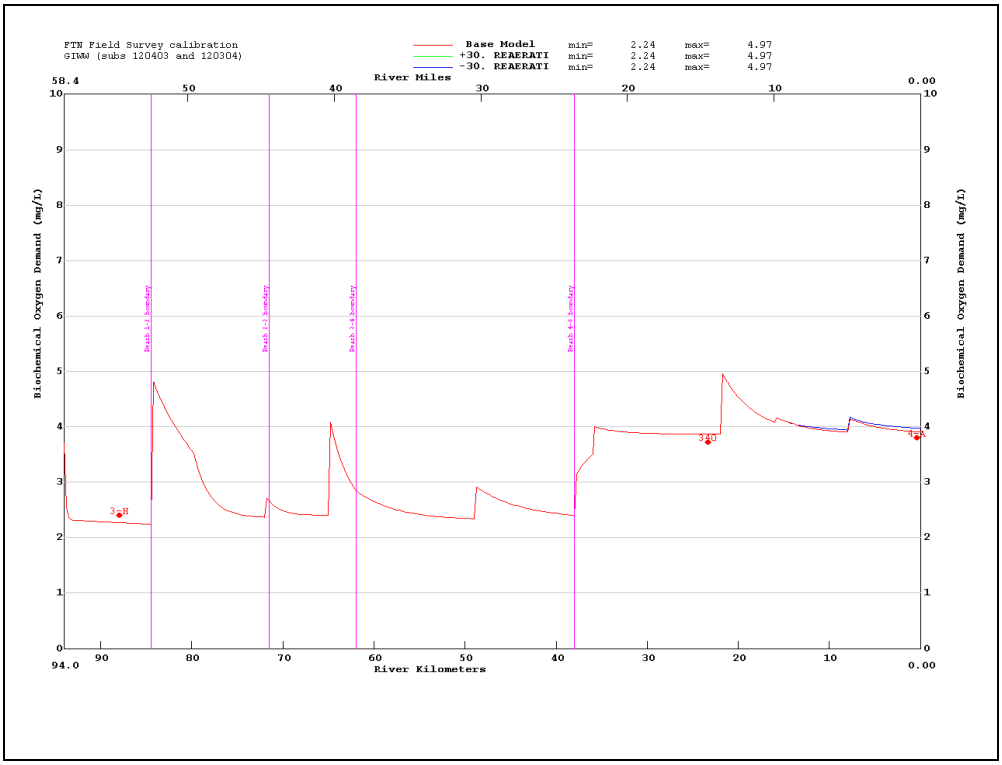


**Figure H-28. BOD sensitivity results (reaeration) for subsegments 120304 and 120403.**

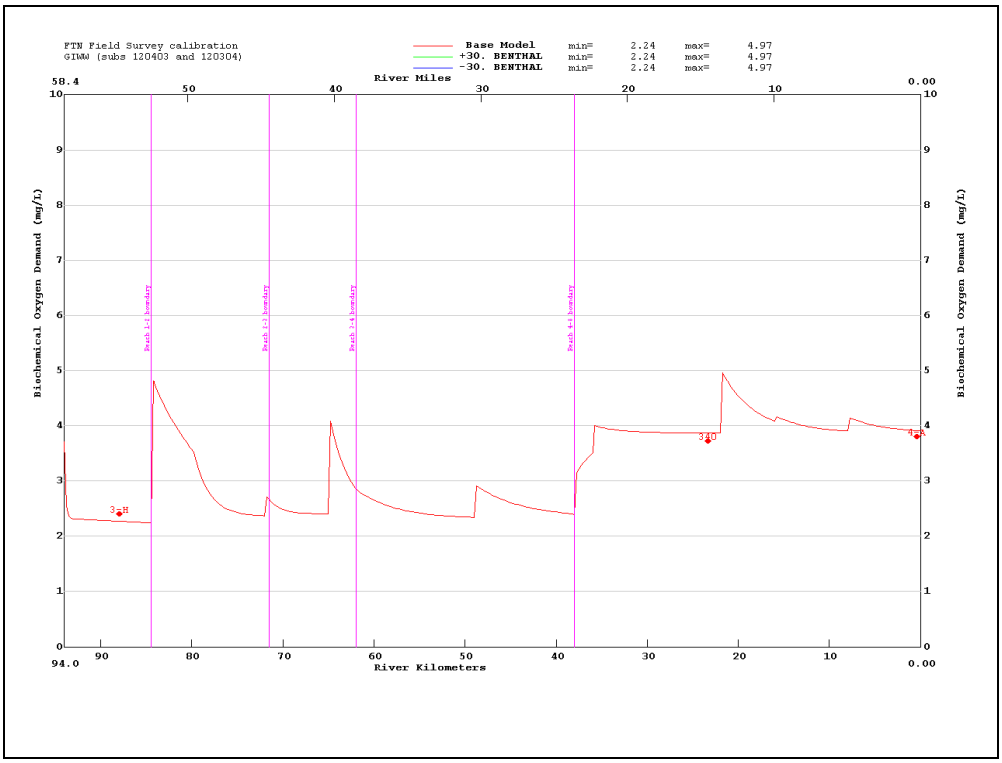


**Figure H-29. BOD sensitivity results (background SOD) for subsegments 120304 and 120403.**

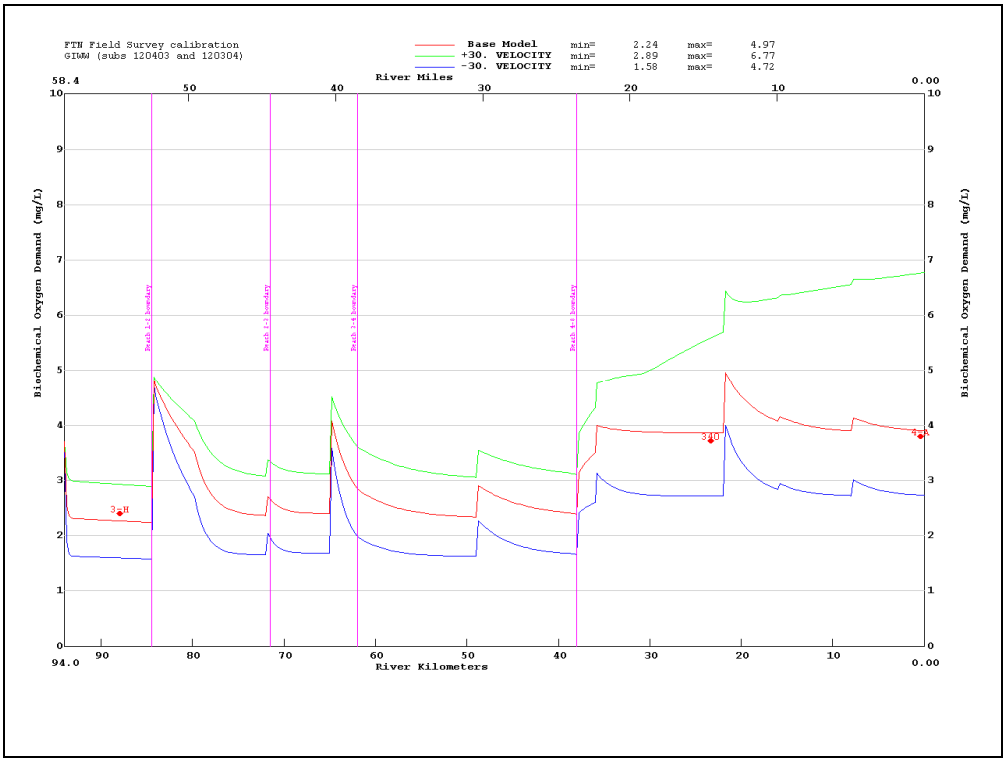


**Figure H-30. BOD sensitivity results (stream velocity) for subsegments 120304 and 120403.**

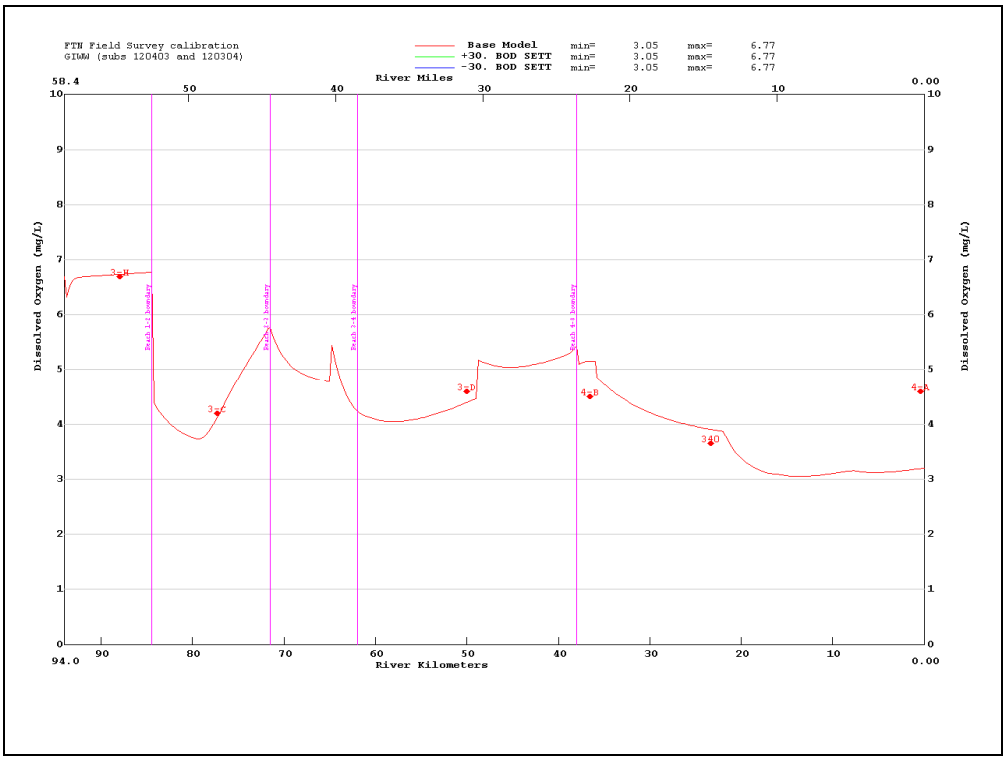


**Figure H-31. DO sensitivity results (BOD settling rate) for subsegments 120304 and 120403.**

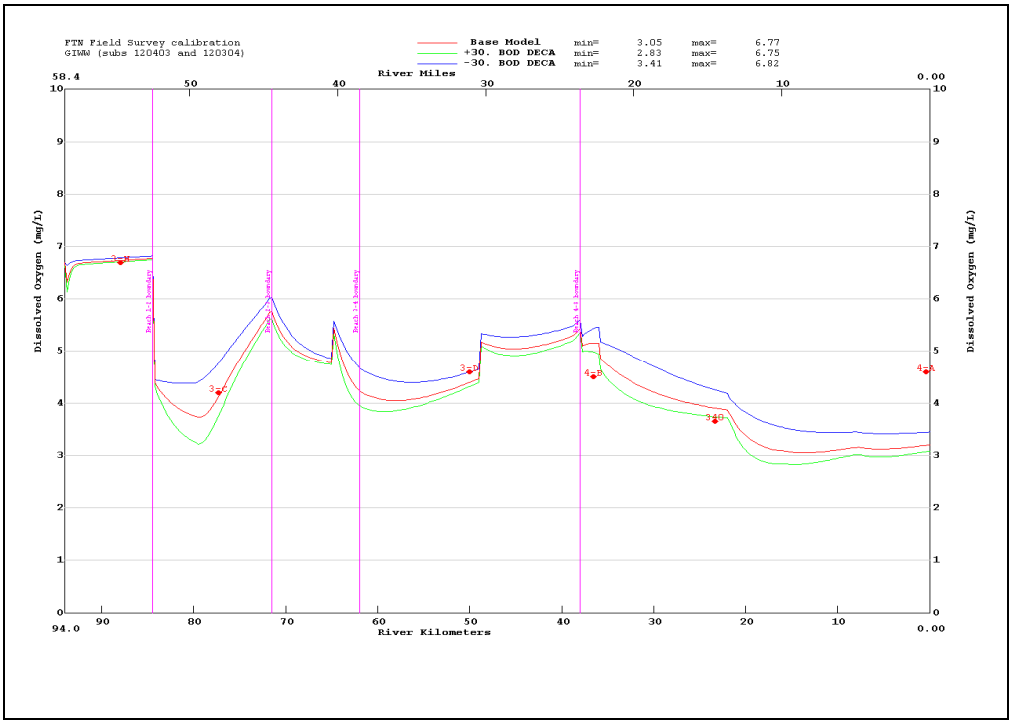


**Figure H-32. DO sensitivity results (BOD aerobic decay rate) for subsegments 120304 and 120403.**

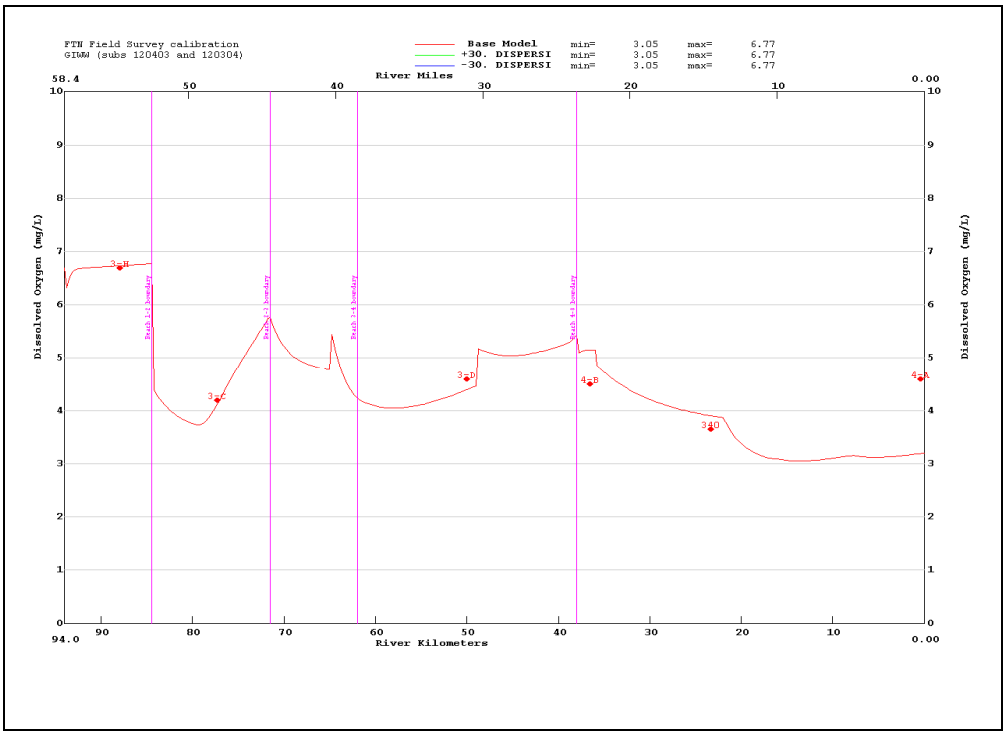


**Figure H-33. DO sensitivity results (dispersion) for subsegments 120304 and 120403.**

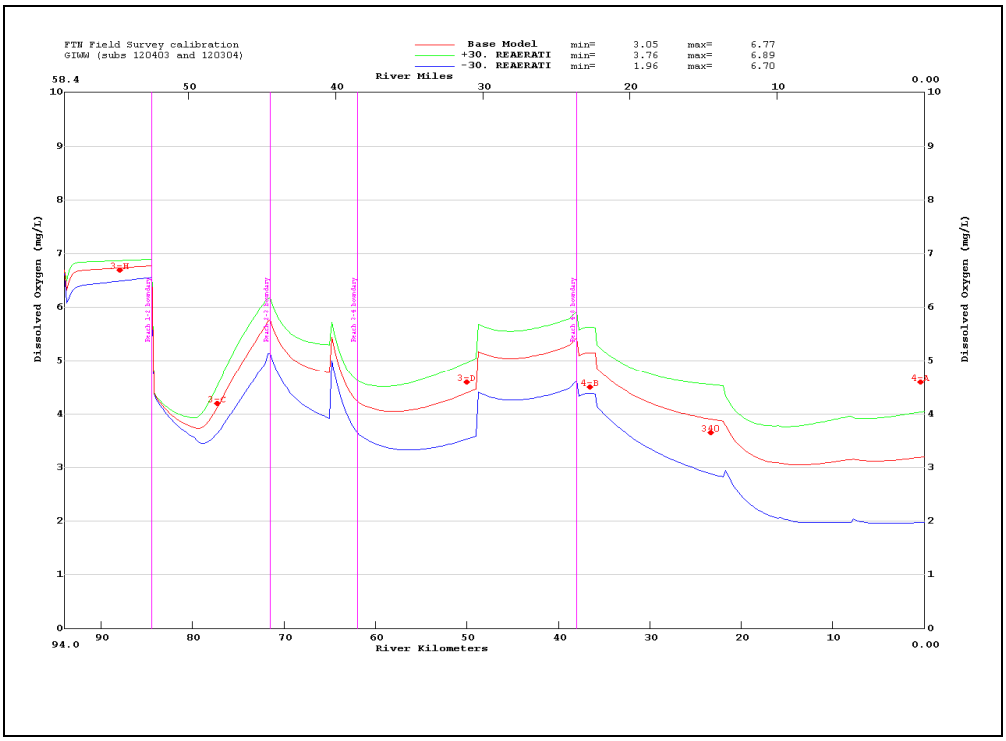


**Figure H-34. DO sensitivity results (reaeration) for subsegments 120304 and 120403.**

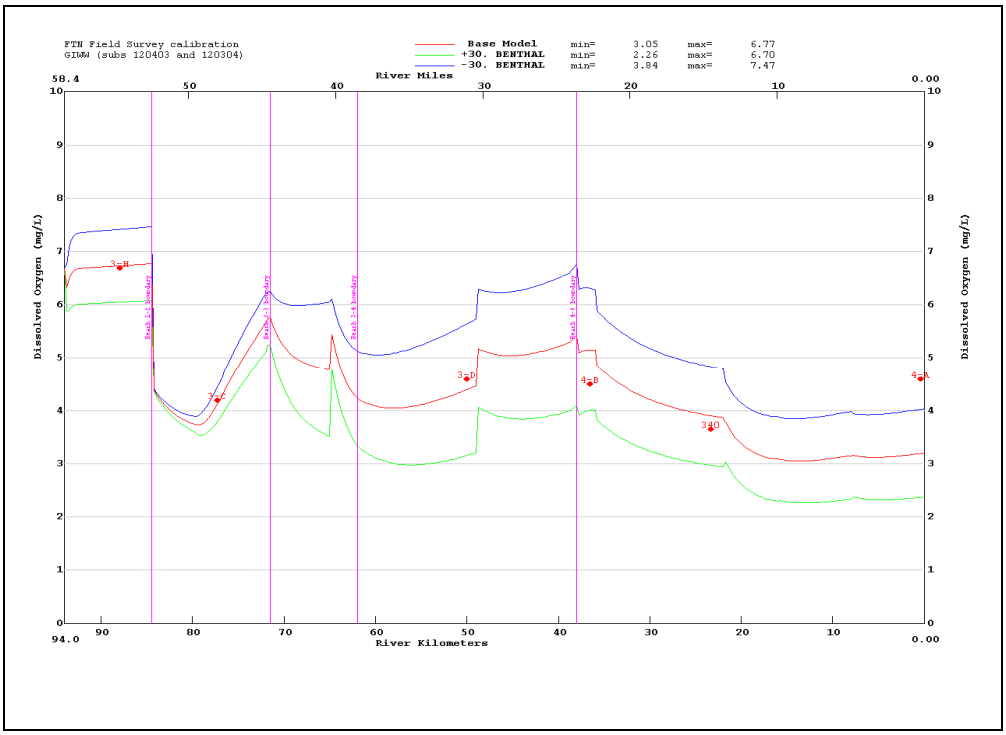


**Figure H-35. DO sensitivity results (background SOD) for subsegments 120304 and 120403.**

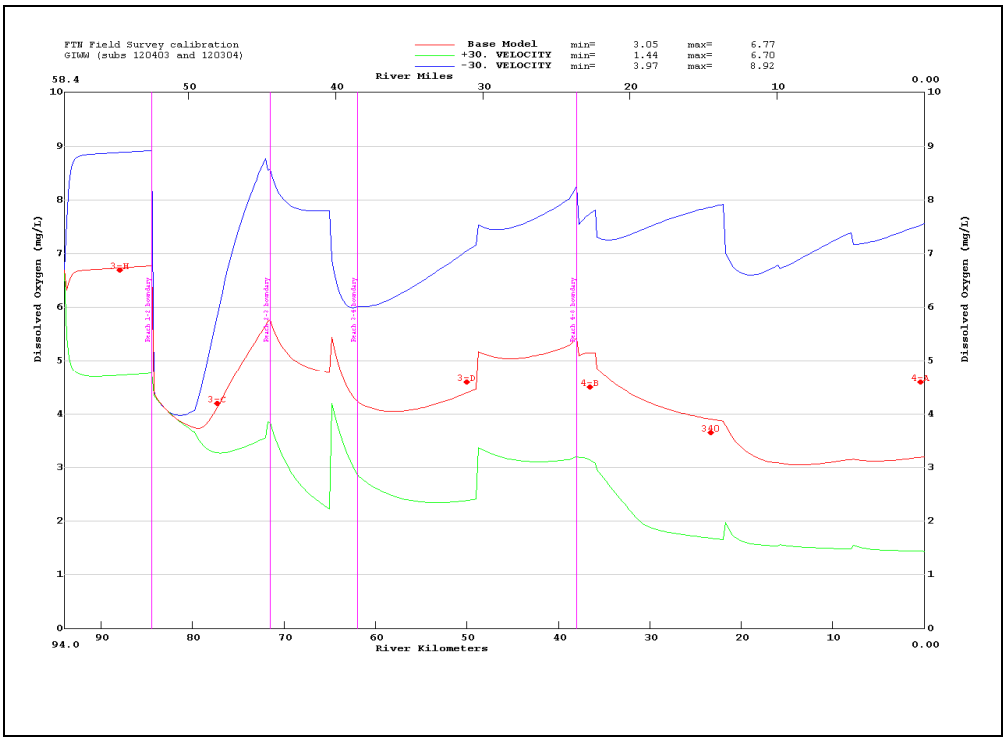


**Figure H-36. DO sensitivity results (stream velocity) for subsegments 120304 and 120403.**

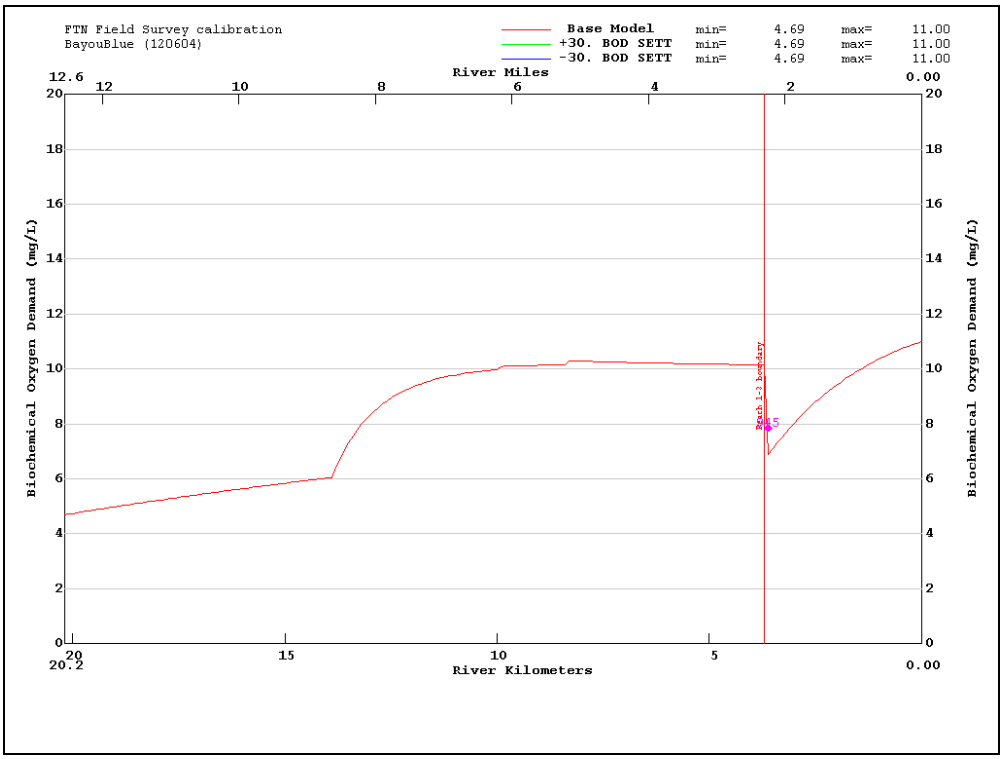


**Figure H-37. BOD sensitivity results (BOD settling rate) for subsegment 120604.**

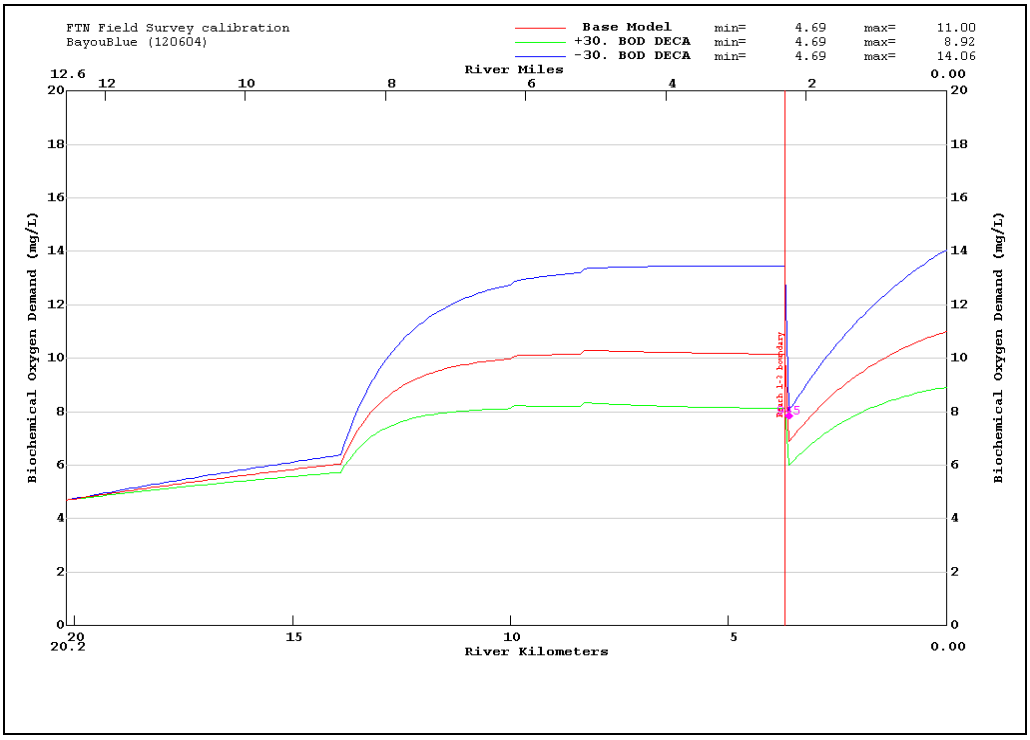


**Figure H-38. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120604.**

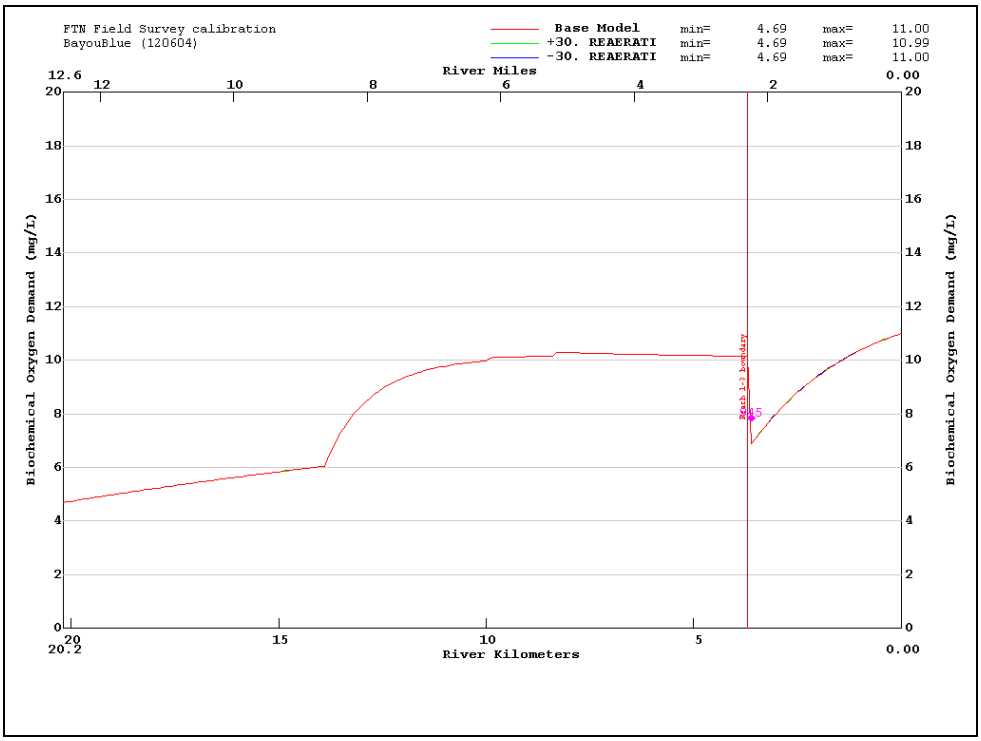


**Figure H-39. BOD sensitivity results (dispersion) for subsegment 120604.**

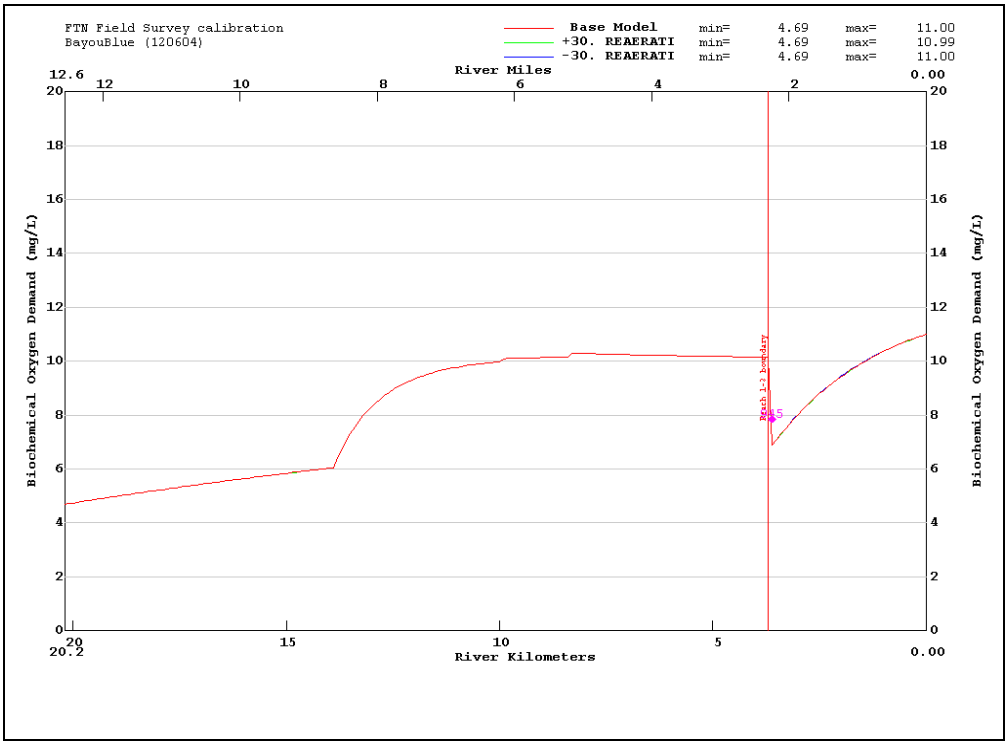


**Figure H-40. BOD sensitivity results (reaeration) for subsegment 120604.**

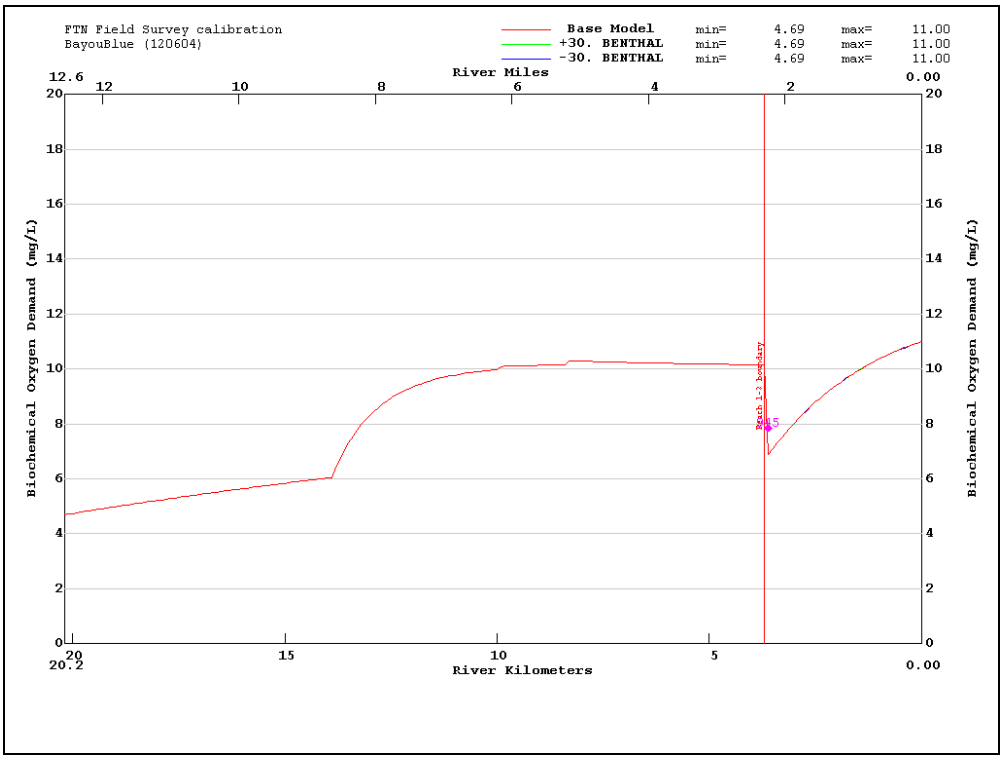


**Figure H-41. BOD sensitivity results (background SOD) for subsegment 120604.**

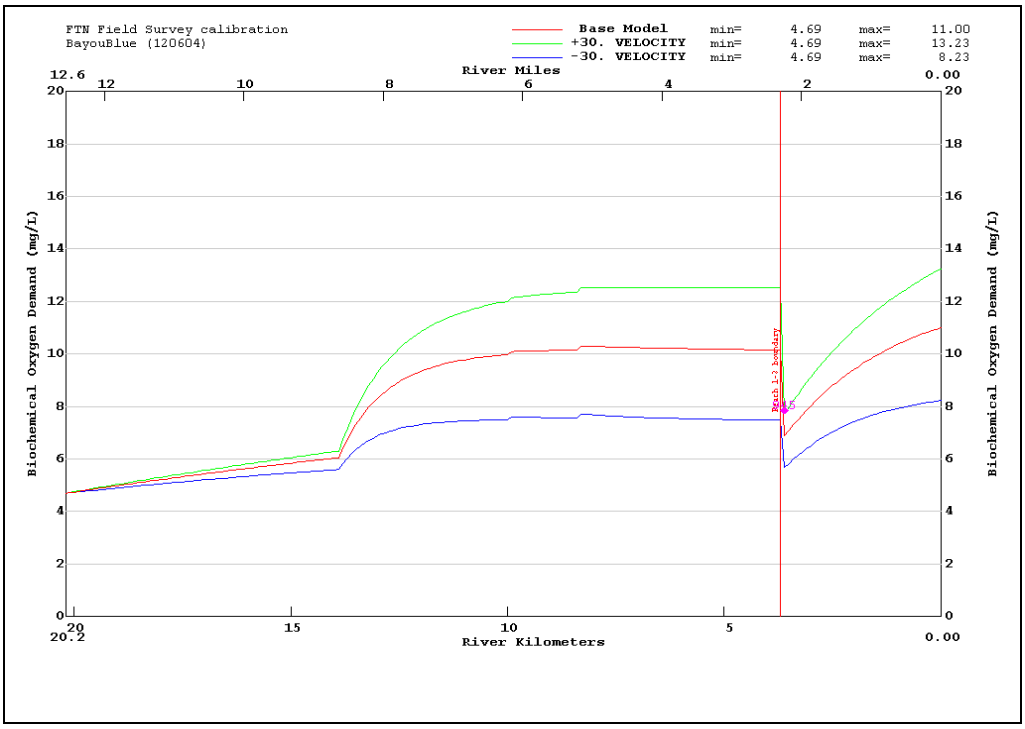


**Figure H-42. BOD sensitivity results (stream velocity) for subsegment 120604.**

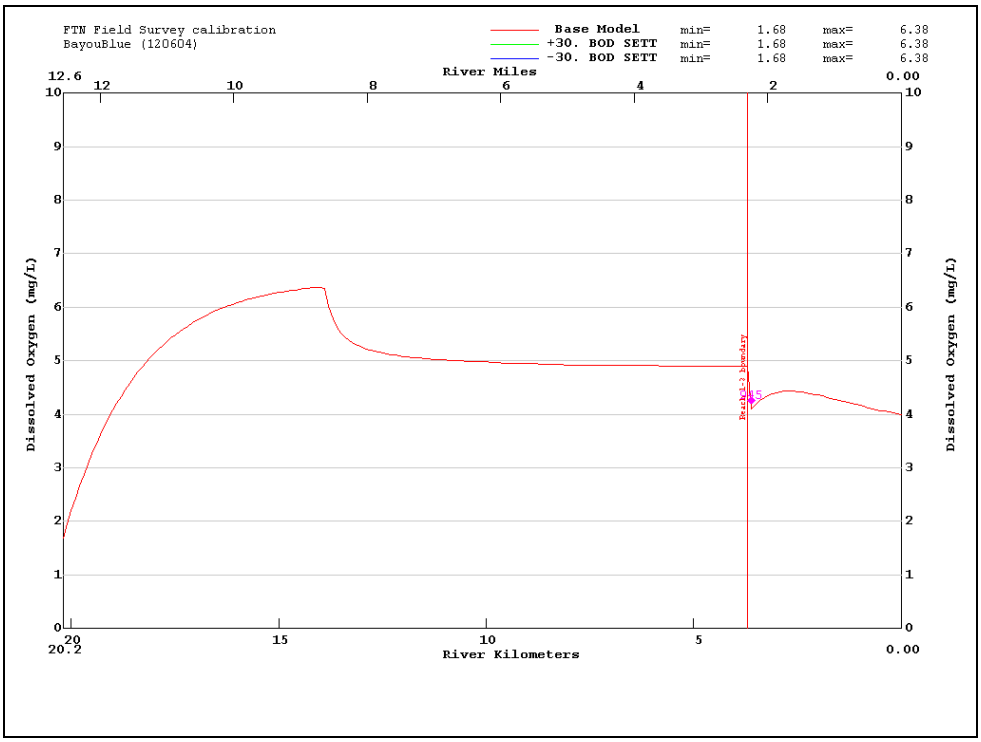


**Figure H-43. DO sensitivity results (BOD settling rate) for subsegment 120604.**

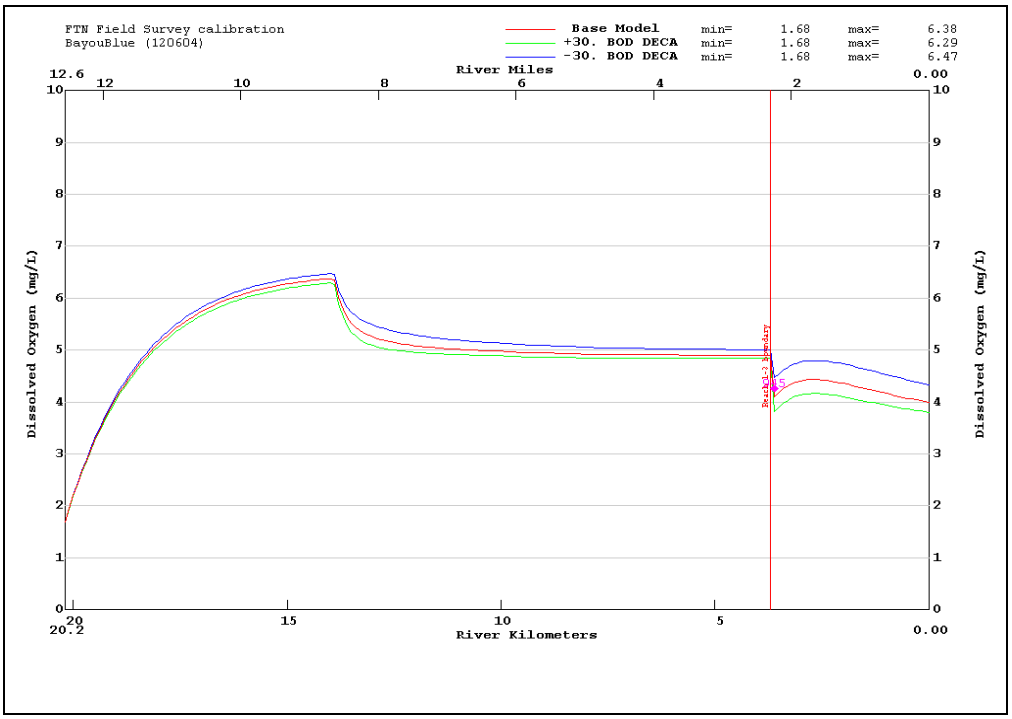


**Figure H-44. DO sensitivity results (BOD aerobic decay rate) for subsegment 120604.**

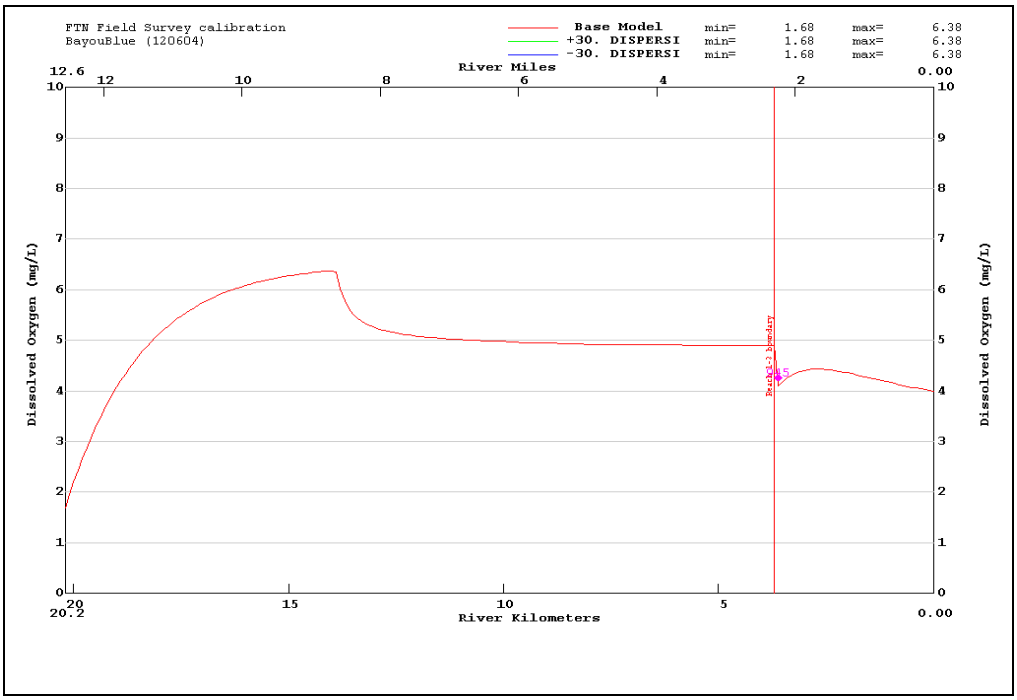


**Figure H-45. DO sensitivity results (dispersion) for subsegment 120604.**

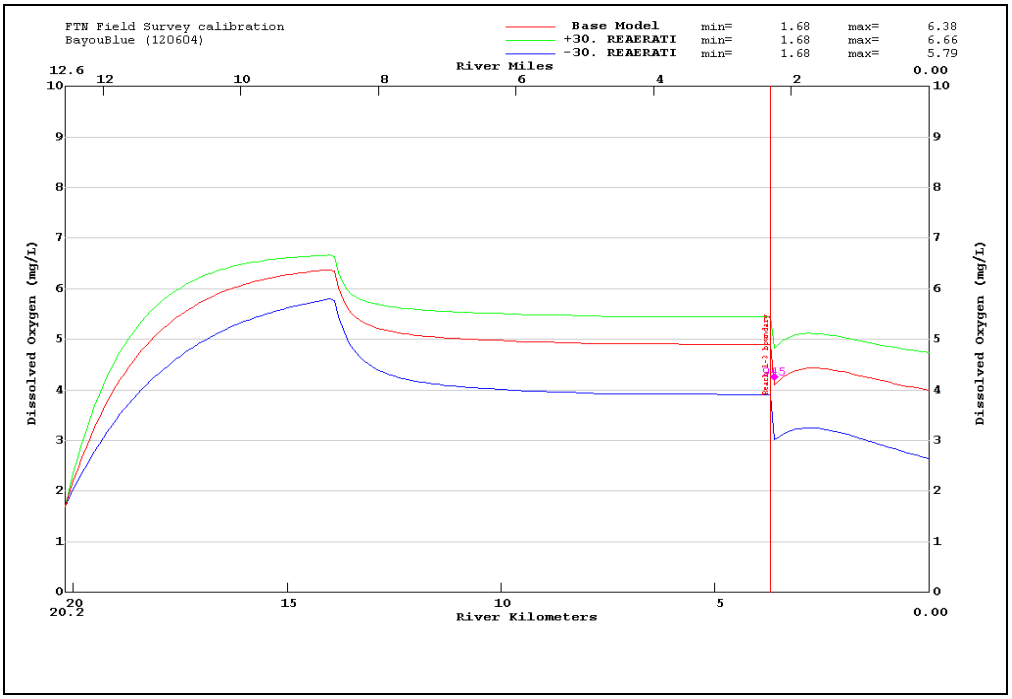


**Figure H-46. DO sensitivity results (reaeration) for subsegment 120604.**

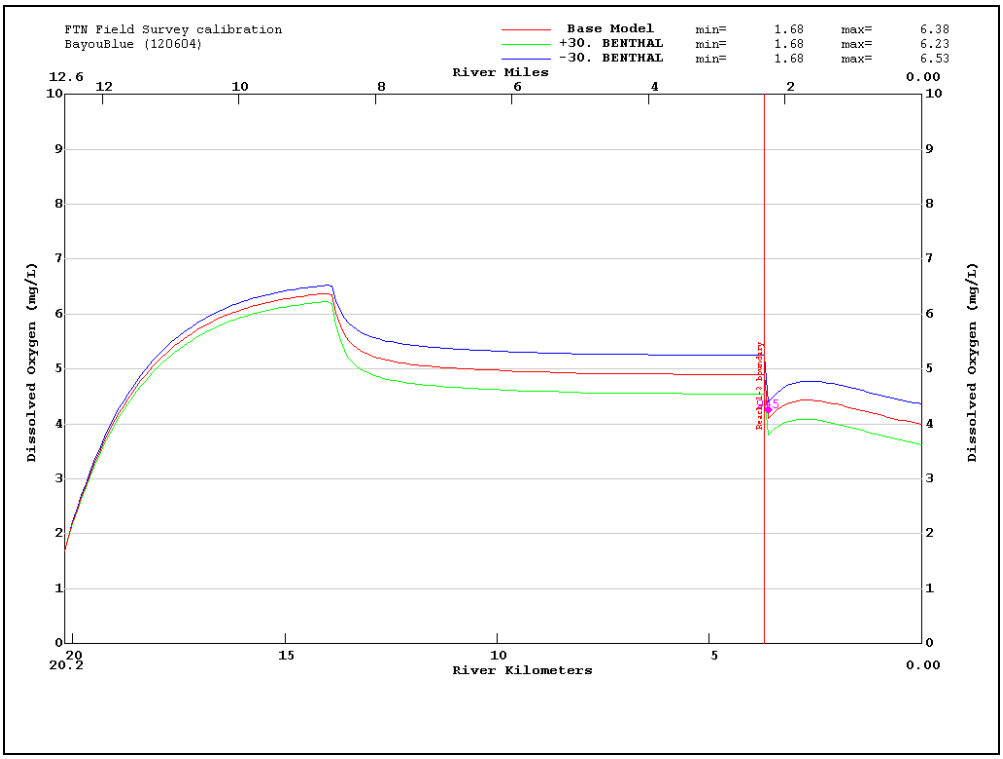


**Figure H-47. DO sensitivity results (background SOD) for subsegment 120604.**

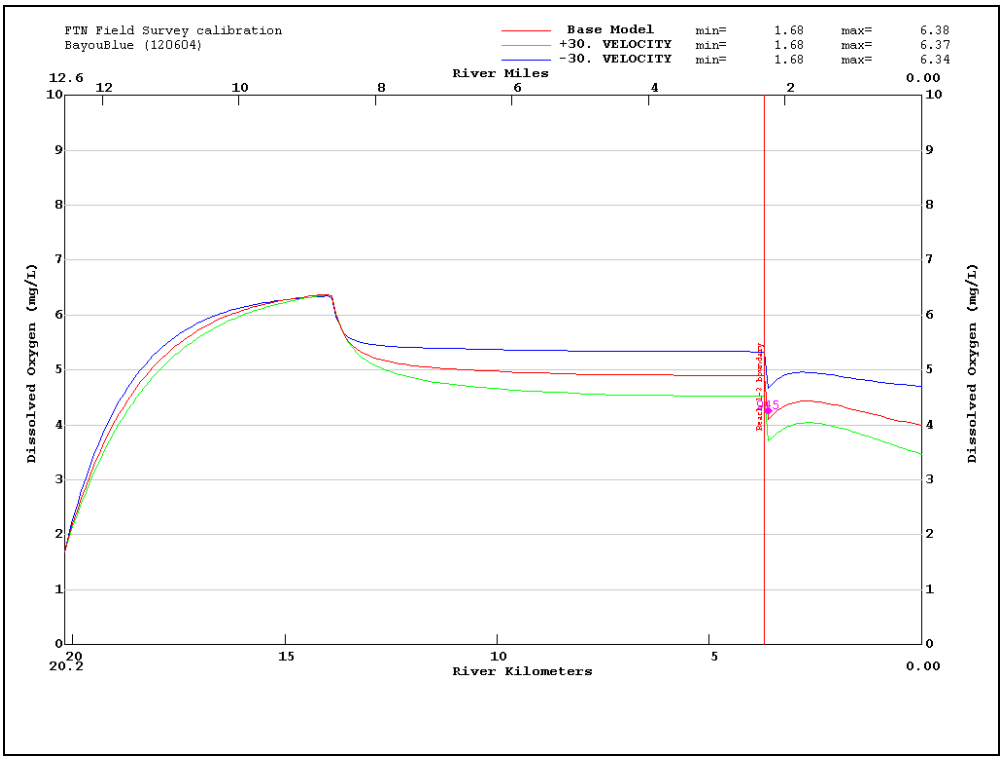


**Figure H-48. DO sensitivity results (stream velocity) for subsegment 120604.**

# APPENDIX I:
# AMMONIA TOXICITY CALCULATIONS

Table I-1. Ammonia toxicity results for subsegment 120202..... 1
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**Table I-1. Ammonia toxicity results for subsegment 120202**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 225 | 8.20 | 32.10 | 0.01 | 0.58 | No |
| 226 | 8.20 | 32.09 | 0.01 | 0.58 | No |
| 227 | 8.20 | 32.09 | 0.01 | 0.58 | No |
| 228 | 8.20 | 32.08 | 0.01 | 0.58 | No |
| 229 | 8.20 | 32.08 | 0.01 | 0.58 | No |
| 230 | 8.20 | 32.08 | 0.01 | 0.58 | No |
| 231 | 8.20 | 32.07 | 0.01 | 0.58 | No |
| 232 | 8.20 | 32.07 | 0.01 | 0.58 | No |
| 233 | 8.20 | 32.06 | 0.01 | 0.58 | No |
| 234 | 8.20 | 32.06 | 0.01 | 0.58 | No |
| 235 | 8.20 | 32.06 | 0.01 | 0.58 | No |
| 236 | 8.20 | 32.05 | 0.01 | 0.58 | No |
| 237 | 8.20 | 32.05 | 0.01 | 0.58 | No |
| 238 | 8.20 | 32.04 | 0.01 | 0.58 | No |
| 239 | 8.20 | 32.04 | 0.01 | 0.58 | No |
| 240 | 8.20 | 32.04 | 0.01 | 0.58 | No |
| 241 | 8.20 | 32.03 | 0.01 | 0.58 | No |
| 242 | 8.20 | 32.03 | 0.01 | 0.58 | No |
| 243 | 8.20 | 32.02 | 0.01 | 0.58 | No |
| 244 | 8.20 | 32.02 | 0.01 | 0.58 | No |
| 245 | 8.20 | 32.02 | 0.01 | 0.58 | No |
| 246 | 8.20 | 32.01 | 0.01 | 0.58 | No |
| 247 | 8.20 | 32.01 | 0.01 | 0.58 | No |
| 248 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 249 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 250 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 251 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 252 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 253 | 8.20 | 32.00 | 0.01 | 0.58 | No |
| 254 | 8.20 | 32.00 | 0.02 | 0.58 | No |
| 255 | 8.20 | 32.00 | 0.02 | 0.58 | No |
| 256 | 8.20 | 32.00 | 0.02 | 0.58 | No |
| 257 | 8.20 | 32.00 | 0.02 | 0.58 | No |
| 258 | 8.20 | 32.00 | 0.02 | 0.58 | No |
| 259 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 260 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 261 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 262 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 263 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 264 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 265 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 266 | 8.20 | 32.00 | 0.03 | 0.58 | No |
| 267 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 268 | 8.20 | 32.00 | 0.04 | 0.58 | No |

**Table I-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 269 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 270 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 271 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 272 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 273 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 274 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 275 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 276 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 277 | 8.20 | 32.00 | 0.04 | 0.58 | No |
| 278 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 279 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 280 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 281 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 282 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 283 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 284 | 8.20 | 32.00 | 0.05 | 0.58 | No |
| 285 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 286 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 287 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 288 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 289 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 290 | 7.17 | 32.00 | 0.05 | 1.77 | No |
| 291 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 292 | 7.17 | 31.99 | 0.06 | 1.78 | No |
| 293 | 7.17 | 31.99 | 0.06 | 1.78 | No |
| 294 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 295 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 296 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 297 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 298 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 299 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 300 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 301 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 302 | 7.17 | 31.99 | 0.05 | 1.78 | No |
| 303 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 304 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 305 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 306 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 307 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 308 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 309 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 310 | 7.17 | 31.98 | 0.04 | 1.78 | No |
| 311 | 7.17 | 31.98 | 0.04 | 1.78 | No |
| 312 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 313 | 7.17 | 31.98 | 0.05 | 1.78 | No |

**Table I-1. (continued)**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 314 | 7.17 | 31.98 | 0.05 | 1.78 | No |
| 315 | 7.17 | 31.97 | 0.05 | 1.78 | No |
| 316 | 7.17 | 31.97 | 0.05 | 1.78 | No |
| 317 | 7.17 | 31.97 | 0.05 | 1.78 | No |
| 318 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 319 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 320 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 321 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 322 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 323 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 324 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 325 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 326 | 7.17 | 31.97 | 0.04 | 1.78 | No |
| 327 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 328 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 329 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 330 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 331 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 332 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 333 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 334 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 335 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 336 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 337 | 7.17 | 31.96 | 0.04 | 1.78 | No |
| 338 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 339 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 340 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 341 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 342 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 343 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 344 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 345 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 346 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 347 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 348 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 349 | 7.17 | 31.95 | 0.04 | 1.78 | No |
| 350 | 7.17 | 31.94 | 0.04 | 1.78 | No |
| 351 | 7.17 | 31.94 | 0.04 | 1.78 | No |
| 352 | 7.17 | 31.94 | 0.36 | 1.78 | No |
| 353 | 7.17 | 31.94 | 0.32 | 1.78 | No |
| 354 | 7.17 | 31.94 | 0.28 | 1.78 | No |
| 355 | 7.17 | 31.94 | 0.25 | 1.78 | No |
| 356 | 7.17 | 31.94 | 0.23 | 1.78 | No |
| 357 | 7.17 | 31.94 | 0.21 | 1.78 | No |

**Table I-1. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 358 | 7.17 | 31.94 | 0.19 | 1.78 | No |
| 359 | 7.17 | 31.94 | 0.17 | 1.78 | No |
| 360 | 7.17 | 31.94 | 0.15 | 1.78 | No |
| 361 | 7.17 | 31.94 | 0.14 | 1.78 | No |
| 362 | 7.17 | 31.93 | 0.13 | 1.78 | No |
| 363 | 7.17 | 31.93 | 0.12 | 1.78 | No |
| 364 | 7.17 | 31.93 | 0.11 | 1.78 | No |
| 365 | 7.17 | 31.93 | 0.1 | 1.78 | No |
| 366 | 7.17 | 31.93 | 0.09 | 1.78 | No |
| 367 | 7.17 | 31.93 | 0.09 | 1.78 | No |
| 368 | 7.17 | 31.93 | 0.08 | 1.78 | No |
| 369 | 7.17 | 31.93 | 0.08 | 1.78 | No |
| 370 | 7.17 | 31.93 | 0.08 | 1.78 | No |
| 371 | 7.17 | 31.93 | 0.07 | 1.78 | No |
| 372 | 7.17 | 31.93 | 0.07 | 1.78 | No |
| 373 | 7.17 | 31.93 | 0.09 | 1.78 | No |
| 374 | 7.17 | 31.92 | 0.09 | 1.78 | No |
| 375 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 376 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 377 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 378 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 379 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 380 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 381 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 382 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 383 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 384 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 385 | 7.17 | 31.92 | 0.08 | 1.78 | No |
| 386 | 7.17 | 31.91 | 0.08 | 1.78 | No |
| 387 | 7.17 | 31.91 | 0.08 | 1.78 | No |
| 388 | 7.17 | 31.91 | 0.08 | 1.78 | No |
| 389 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 390 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 391 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 392 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 393 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 394 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 395 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 396 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 397 | 7.17 | 31.91 | 0.07 | 1.78 | No |
| 398 | 7.17 | 31.9 | 0.07 | 1.79 | No |
| 399 | 7.17 | 31.9 | 0.07 | 1.79 | No |
| 400 | 7.17 | 31.9 | 0.07 | 1.79 | No |

**Table I-1. (continued)**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 401 | 7.17 | 31.9 | 0.11 | 1.79 | No |
| 402 | 7.17 | 31.9 | 0.11 | 1.79 | No |
| 403 | 7.17 | 31.9 | 0.11 | 1.79 | No |

**Table I-2. Ammonia toxicity results for subsegment 120204**

| Model Element | Average observed pH | Model Temperature (°C) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 1 | 9.05 | 33.12 | 0.10 | 0.14 | No |
| 2 | 9.05 | 33.15 | 0.10 | 0.14 | No |
| 3 | 9.05 | 33.17 | 0.10 | 0.14 | No |
| 4 | 9.05 | 33.19 | 0.10 | 0.14 | No |
| 5 | 9.05 | 33.21 | 0.10 | 0.14 | No |
| 6 | 9.05 | 33.24 | 0.10 | 0.14 | No |
| 7 | 9.05 | 33.26 | 0.10 | 0.14 | No |
| 8 | 9.05 | 33.28 | 0.10 | 0.14 | No |
| 9 | 9.05 | 33.31 | 0.10 | 0.13 | No |
| 10 | 9.05 | 33.33 | 0.10 | 0.13 | No |
| 11 | 9.05 | 33.35 | 0.10 | 0.13 | No |
| 12 | 9.05 | 33.37 | 0.10 | 0.13 | No |
| 13 | 9.05 | 33.40 | 0.10 | 0.13 | No |
| 14 | 9.05 | 33.42 | 0.10 | 0.13 | No |
| 15 | 9.05 | 33.44 | 0.10 | 0.13 | No |
| 16 | 9.05 | 33.47 | 0.10 | 0.13 | No |
| 17 | 9.05 | 33.49 | 0.09 | 0.13 | No |
| 18 | 9.05 | 33.51 | 0.09 | 0.13 | No |
| 19 | 9.05 | 33.53 | 0.09 | 0.13 | No |
| 20 | 9.05 | 33.56 | 0.09 | 0.13 | No |
| 21 | 9.05 | 33.58 | 0.09 | 0.13 | No |
| 22 | 9.05 | 33.60 | 0.09 | 0.13 | No |
| 23 | 9.05 | 33.63 | 0.09 | 0.13 | No |
| 24 | 9.05 | 33.65 | 0.09 | 0.13 | No |
| 25 | 9.05 | 33.67 | 0.09 | 0.13 | No |
| 26 | 9.05 | 33.69 | 0.09 | 0.13 | No |
| 27 | 9.05 | 33.72 | 0.09 | 0.13 | No |
| 28 | 9.05 | 33.74 | 0.09 | 0.13 | No |
| 29 | 9.05 | 33.76 | 0.09 | 0.13 | No |
| 30 | 9.05 | 33.79 | 0.09 | 0.13 | No |
| 31 | 9.05 | 33.81 | 0.09 | 0.13 | No |
| 32 | 9.05 | 33.83 | 0.09 | 0.13 | No |
| 33 | 9.05 | 33.85 | 0.09 | 0.13 | No |
| 34 | 9.05 | 33.88 | 0.09 | 0.13 | No |
| 35 | 9.05 | 33.90 | 0.09 | 0.13 | No |
| 36 | 8.10 | 33.85 | 0.09 | 0.60 | No |
| 37 | 8.10 | 33.80 | 0.09 | 0.61 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 38 | 8.10 | 33.75 | 0.09 | 0.61 | No |
| 39 | 8.10 | 33.70 | 0.09 | 0.61 | No |
| 40 | 8.10 | 33.65 | 0.09 | 0.61 | No |
| 41 | 8.10 | 33.60 | 0.09 | 0.61 | No |
| 42 | 8.10 | 33.55 | 0.09 | 0.61 | No |
| 43 | 8.10 | 33.50 | 0.09 | 0.62 | No |
| 44 | 8.10 | 33.45 | 0.09 | 0.62 | No |
| 45 | 8.10 | 33.40 | 0.09 | 0.62 | No |
| 46 | 8.10 | 33.35 | 0.09 | 0.62 | No |
| 47 | 8.10 | 33.30 | 0.09 | 0.62 | No |
| 48 | 8.10 | 33.25 | 0.09 | 0.63 | No |
| 49 | 8.10 | 33.20 | 0.09 | 0.63 | No |
| 50 | 8.10 | 33.15 | 0.09 | 0.63 | No |
| 51 | 8.10 | 33.10 | 0.09 | 0.63 | No |
| 52 | 8.10 | 33.05 | 0.09 | 0.63 | No |
| 53 | 8.10 | 33.00 | 0.09 | 0.64 | No |
| 54 | 8.10 | 32.95 | 0.09 | 0.64 | No |
| 55 | 8.10 | 32.90 | 0.09 | 0.64 | No |
| 56 | 8.22 | 33.88 | 0.10 | 0.50 | No |
| 57 | 8.22 | 33.85 | 0.10 | 0.50 | No |
| 58 | 8.22 | 33.83 | 0.10 | 0.50 | No |
| 59 | 8.22 | 33.80 | 0.10 | 0.50 | No |
| 60 | 8.22 | 33.78 | 0.10 | 0.50 | No |
| 61 | 8.22 | 33.76 | 0.10 | 0.50 | No |
| 62 | 8.22 | 33.73 | 0.10 | 0.50 | No |
| 63 | 8.22 | 33.71 | 0.10 | 0.50 | No |
| 64 | 8.22 | 33.69 | 0.10 | 0.50 | No |
| 65 | 8.22 | 33.66 | 0.10 | 0.51 | No |
| 66 | 8.22 | 33.64 | 0.10 | 0.51 | No |
| 67 | 8.22 | 33.61 | 0.10 | 0.51 | No |
| 68 | 8.22 | 33.59 | 0.10 | 0.51 | No |
| 69 | 8.22 | 33.57 | 0.10 | 0.51 | No |
| 70 | 8.22 | 33.54 | 0.10 | 0.51 | No |
| 71 | 8.22 | 33.52 | 0.10 | 0.51 | No |
| 72 | 8.22 | 33.50 | 0.10 | 0.51 | No |
| 73 | 8.22 | 33.47 | 0.10 | 0.51 | No |
| 74 | 8.22 | 33.45 | 0.10 | 0.51 | No |
| 75 | 8.22 | 33.42 | 0.09 | 0.51 | No |
| 76 | 8.22 | 33.40 | 0.09 | 0.51 | No |
| 77 | 8.22 | 33.38 | 0.09 | 0.51 | No |
| 78 | 8.22 | 33.35 | 0.09 | 0.52 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 79 | 8.22 | 33.33 | 0.09 | 0.52 | No |
| 80 | 8.22 | 33.30 | 0.09 | 0.52 | No |
| 81 | 8.22 | 33.28 | 0.09 | 0.52 | No |
| 82 | 8.22 | 33.26 | 0.09 | 0.52 | No |
| 83 | 8.22 | 33.23 | 0.09 | 0.52 | No |
| 84 | 8.22 | 33.21 | 0.09 | 0.52 | No |
| 85 | 8.22 | 33.19 | 0.09 | 0.52 | No |
| 86 | 8.22 | 33.16 | 0.09 | 0.52 | No |
| 87 | 8.22 | 33.14 | 0.09 | 0.52 | No |
| 88 | 8.22 | 33.11 | 0.09 | 0.52 | No |
| 89 | 8.22 | 33.09 | 0.09 | 0.52 | No |
| 90 | 8.22 | 33.07 | 0.09 | 0.53 | No |
| 91 | 8.22 | 33.04 | 0.09 | 0.53 | No |
| 92 | 8.22 | 33.02 | 0.09 | 0.53 | No |
| 93 | 8.22 | 33.00 | 0.09 | 0.53 | No |
| 94 | 8.22 | 32.97 | 0.09 | 0.53 | No |
| 95 | 8.22 | 32.95 | 0.09 | 0.53 | No |
| 96 | 8.22 | 32.92 | 0.10 | 0.53 | No |
| 97 | 8.22 | 32.90 | 0.10 | 0.53 | No |
| 98 | 8.33 | 32.90 | 0.09 | 0.44 | No |
| 99 | 8.33 | 32.89 | 0.09 | 0.44 | No |
| 100 | 8.33 | 32.89 | 0.09 | 0.44 | No |
| 101 | 8.33 | 32.89 | 0.09 | 0.44 | No |
| 102 | 8.33 | 32.89 | 0.09 | 0.44 | No |
| 103 | 8.33 | 32.88 | 0.09 | 0.44 | No |
| 104 | 8.33 | 32.88 | 0.09 | 0.44 | No |
| 105 | 8.33 | 32.88 | 0.09 | 0.44 | No |
| 106 | 8.33 | 32.87 | 0.09 | 0.44 | No |
| 107 | 8.33 | 32.87 | 0.09 | 0.44 | No |
| 108 | 8.33 | 32.87 | 0.09 | 0.44 | No |
| 109 | 8.33 | 32.86 | 0.09 | 0.44 | No |
| 110 | 8.33 | 32.86 | 0.09 | 0.44 | No |
| 111 | 8.33 | 32.86 | 0.09 | 0.44 | No |
| 112 | 8.33 | 32.86 | 0.09 | 0.44 | No |
| 113 | 8.33 | 32.85 | 0.09 | 0.44 | No |
| 114 | 8.33 | 32.85 | 0.09 | 0.44 | No |
| 115 | 8.33 | 32.85 | 0.09 | 0.44 | No |
| 116 | 8.33 | 32.84 | 0.09 | 0.45 | No |
| 117 | 8.33 | 32.84 | 0.09 | 0.45 | No |
| 118 | 8.33 | 32.84 | 0.09 | 0.45 | No |
| 119 | 8.33 | 32.84 | 0.09 | 0.45 | No |
| 120 | 8.33 | 32.83 | 0.09 | 0.45 | No |
| 121 | 8.33 | 32.83 | 0.09 | 0.45 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 122 | 8.33 | 32.83 | 0.09 | 0.45 | No |
| 123 | 8.33 | 32.82 | 0.09 | 0.45 | No |
| 124 | 8.33 | 32.82 | 0.09 | 0.45 | No |
| 125 | 8.33 | 32.82 | 0.09 | 0.45 | No |
| 126 | 8.33 | 32.81 | 0.09 | 0.45 | No |
| 127 | 8.33 | 32.81 | 0.09 | 0.45 | No |
| 128 | 8.33 | 32.81 | 0.09 | 0.45 | No |
| 129 | 8.33 | 32.81 | 0.09 | 0.45 | No |
| 130 | 8.33 | 32.8 | 0.09 | 0.45 | No |
| 131 | 8.33 | 32.8 | 0.09 | 0.45 | No |
| 132 | 9.15 | 32.8 | 0.09 | 0.12 | No |
| 133 | 9.15 | 32.79 | 0.1 | 0.12 | No |
| 134 | 9.15 | 32.79 | 0.1 | 0.12 | No |
| 135 | 9.15 | 32.78 | 0.1 | 0.12 | No |
| 136 | 9.15 | 32.78 | 0.1 | 0.12 | No |
| 137 | 9.15 | 32.78 | 0.1 | 0.12 | No |
| 138 | 9.15 | 32.77 | 0.1 | 0.12 | No |
| 139 | 9.15 | 32.77 | 0.1 | 0.12 | No |
| 140 | 9.15 | 32.76 | 0.1 | 0.12 | No |
| 141 | 9.15 | 32.76 | 0.1 | 0.12 | No |
| 142 | 9.15 | 32.76 | 0.1 | 0.12 | No |
| 143 | 9.15 | 32.75 | 0.1 | 0.12 | No |
| 144 | 9.15 | 32.75 | 0.1 | 0.12 | No |
| 145 | 9.15 | 32.74 | 0.1 | 0.12 | No |
| 146 | 9.15 | 32.74 | 0.1 | 0.12 | No |
| 147 | 9.15 | 32.73 | 0.1 | 0.12 | No |
| 148 | 9.15 | 32.73 | 0.1 | 0.12 | No |
| 149 | 9.15 | 32.73 | 0.1 | 0.12 | No |
| 150 | 9.15 | 32.72 | 0.1 | 0.12 | No |
| 151 | 9.15 | 32.72 | 0.1 | 0.12 | No |
| 152 | 9.15 | 32.71 | 0.1 | 0.12 | No |
| 153 | 9.15 | 32.71 | 0.1 | 0.12 | No |
| 154 | 9.15 | 32.71 | 0.1 | 0.12 | No |
| 155 | 9.15 | 32.7 | 0.1 | 0.12 | No |
| 156 | 9.15 | 32.7 | 0.1 | 0.12 | No |
| 157 | 9.15 | 32.69 | 0.1 | 0.12 | No |
| 158 | 9.15 | 32.69 | 0.1 | 0.12 | No |
| 159 | 9.15 | 32.69 | 0.1 | 0.12 | No |
| 160 | 9.15 | 32.68 | 0.1 | 0.12 | No |
| 161 | 9.15 | 32.68 | 0.1 | 0.12 | No |
| 162 | 9.15 | 32.67 | 0.1 | 0.12 | No |
| 163 | 9.15 | 32.67 | 0.1 | 0.12 | No |
| 164 | 9.15 | 32.67 | 0.1 | 0.12 | No |
| 165 | 9.15 | 32.66 | 0.1 | 0.12 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 166 | 9.15 | 32.66 | 0.1 | 0.12 | No |
| 167 | 9.15 | 32.65 | 0.1 | 0.12 | No |
| 168 | 9.15 | 32.65 | 0.1 | 0.12 | No |
| 169 | 9.15 | 32.64 | 0.1 | 0.12 | No |
| 170 | 9.15 | 32.64 | 0.1 | 0.12 | No |
| 171 | 9.15 | 32.64 | 0.1 | 0.12 | No |
| 172 | 9.15 | 32.63 | 0.1 | 0.12 | No |
| 173 | 9.15 | 32.63 | 0.11 | 0.12 | No |
| 174 | 9.15 | 32.62 | 0.11 | 0.12 | No |
| 175 | 9.15 | 32.62 | 0.11 | 0.12 | No |
| 176 | 9.15 | 32.62 | 0.11 | 0.12 | No |
| 177 | 9.15 | 32.61 | 0.11 | 0.12 | No |
| 178 | 9.15 | 32.61 | 0.11 | 0.12 | No |
| 179 | 9.15 | 32.6 | 0.11 | 0.12 | No |
| 180 | 9.15 | 32.6 | 0.11 | 0.12 | No |
| 181 | 9 | 32.6 | 0.11 | 0.15 | No |
| 182 | 9 | 32.6 | 0.11 | 0.15 | No |
| 183 | 9 | 32.6 | 0.11 | 0.15 | No |
| 184 | 9 | 32.6 | 0.11 | 0.15 | No |
| 185 | 9 | 32.6 | 0.11 | 0.15 | No |
| 186 | 9 | 32.59 | 0.11 | 0.15 | No |
| 187 | 9 | 32.59 | 0.11 | 0.15 | No |
| 188 | 9 | 32.59 | 0.11 | 0.15 | No |
| 189 | 9 | 32.59 | 0.11 | 0.15 | No |
| 190 | 9 | 32.59 | 0.11 | 0.15 | No |
| 191 | 9 | 32.59 | 0.11 | 0.15 | No |
| 192 | 9 | 32.59 | 0.12 | 0.15 | No |
| 193 | 9 | 32.59 | 0.12 | 0.15 | No |
| 194 | 9 | 32.59 | 0.12 | 0.15 | No |
| 195 | 9 | 32.59 | 0.12 | 0.15 | No |
| 196 | 9 | 32.59 | 0.12 | 0.15 | No |
| 197 | 9 | 32.59 | 0.12 | 0.15 | No |
| 198 | 9 | 32.58 | 0.12 | 0.15 | No |
| 199 | 9 | 32.58 | 0.12 | 0.15 | No |
| 200 | 9 | 32.58 | 0.12 | 0.15 | No |
| 201 | 9 | 32.58 | 0.12 | 0.15 | No |
| 202 | 9 | 32.58 | 0.12 | 0.15 | No |
| 203 | 9 | 32.58 | 0.12 | 0.15 | No |
| 204 | 9 | 32.58 | 0.12 | 0.15 | No |
| 205 | 9 | 32.58 | 0.12 | 0.15 | No |
| 206 | 9 | 32.58 | 0.12 | 0.15 | No |
| 207 | 9 | 32.58 | 0.12 | 0.15 | No |
| 208 | 9 | 32.58 | 0.12 | 0.15 | No |
| 209 | 9 | 32.58 | 0.12 | 0.15 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 210 | 9 | 32.57 | 0.12 | 0.15 | No |
| 211 | 9 | 32.57 | 0.11 | 0.15 | No |
| 212 | 9 | 32.57 | 0.11 | 0.15 | No |
| 213 | 9 | 32.57 | 0.11 | 0.15 | No |
| 214 | 9 | 32.57 | 0.11 | 0.15 | No |
| 215 | 9 | 32.57 | 0.11 | 0.15 | No |
| 216 | 9 | 32.57 | 0.11 | 0.15 | No |
| 217 | 9 | 32.57 | 0.11 | 0.15 | No |
| 218 | 9 | 32.57 | 0.11 | 0.15 | No |
| 219 | 9 | 32.57 | 0.11 | 0.15 | No |
| 220 | 9 | 32.57 | 0.11 | 0.15 | No |
| 221 | 9 | 32.56 | 0.11 | 0.15 | No |
| 222 | 9 | 32.56 | 0.11 | 0.15 | No |
| 223 | 9 | 32.56 | 0.11 | 0.15 | No |
| 224 | 9 | 32.56 | 0.11 | 0.15 | No |
| 225 | 9 | 32.56 | 0.11 | 0.15 | No |
| 226 | 9 | 32.56 | 0.11 | 0.15 | No |
| 227 | 9 | 32.56 | 0.11 | 0.15 | No |
| 228 | 9 | 32.56 | 0.11 | 0.15 | No |
| 229 | 9 | 32.56 | 0.11 | 0.15 | No |
| 230 | 9 | 32.56 | 0.11 | 0.15 | No |
| 231 | 9 | 32.56 | 0.11 | 0.15 | No |
| 232 | 9 | 32.56 | 0.11 | 0.15 | No |
| 233 | 9 | 32.55 | 0.11 | 0.15 | No |
| 234 | 9 | 32.55 | 0.11 | 0.15 | No |
| 235 | 9 | 32.55 | 0.11 | 0.15 | No |
| 236 | 9 | 32.55 | 0.11 | 0.15 | No |
| 237 | 9 | 32.55 | 0.11 | 0.15 | No |
| 238 | 9 | 32.55 | 0.11 | 0.15 | No |
| 239 | 9 | 32.55 | 0.11 | 0.15 | No |
| 240 | 9 | 32.55 | 0.11 | 0.15 | No |
| 241 | 9 | 32.55 | 0.11 | 0.15 | No |
| 242 | 9 | 32.55 | 0.11 | 0.15 | No |
| 243 | 9 | 32.55 | 0.1 | 0.15 | No |
| 244 | 9 | 32.54 | 0.1 | 0.15 | No |
| 245 | 9 | 32.54 | 0.1 | 0.15 | No |
| 246 | 9 | 32.54 | 0.1 | 0.15 | No |
| 247 | 9 | 32.54 | 0.1 | 0.15 | No |
| 248 | 9 | 32.54 | 0.1 | 0.15 | No |
| 249 | 9 | 32.54 | 0.1 | 0.15 | No |
| 250 | 9 | 32.54 | 0.1 | 0.15 | No |
| 251 | 9 | 32.54 | 0.1 | 0.15 | No |
| 252 | 9 | 32.54 | 0.1 | 0.15 | No |
| 253 | 9 | 32.54 | 0.1 | 0.15 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 254 | 9 | 32.54 | 0.1 | 0.15 | No |
| 255 | 9 | 32.54 | 0.1 | 0.15 | No |
| 256 | 9 | 32.53 | 0.1 | 0.15 | No |
| 257 | 9 | 32.53 | 0.1 | 0.15 | No |
| 258 | 9 | 32.53 | 0.1 | 0.15 | No |
| 259 | 9 | 32.53 | 0.1 | 0.15 | No |
| 260 | 9 | 32.53 | 0.1 | 0.15 | No |
| 261 | 9 | 32.53 | 0.1 | 0.15 | No |
| 262 | 9 | 32.53 | 0.1 | 0.15 | No |
| 263 | 9 | 32.53 | 0.1 | 0.15 | No |
| 264 | 9 | 32.53 | 0.1 | 0.15 | No |
| 265 | 9 | 32.53 | 0.1 | 0.15 | No |
| 266 | 9 | 32.53 | 0.1 | 0.15 | No |
| 267 | 9 | 32.53 | 0.1 | 0.15 | No |
| 268 | 9 | 32.52 | 0.1 | 0.15 | No |
| 269 | 9 | 32.52 | 0.1 | 0.15 | No |
| 270 | 9 | 32.52 | 0.1 | 0.15 | No |
| 271 | 9 | 32.52 | 0.1 | 0.15 | No |
| 272 | 9 | 32.52 | 0.1 | 0.15 | No |
| 273 | 9 | 32.52 | 0.1 | 0.15 | No |
| 274 | 9 | 32.52 | 0.1 | 0.15 | No |
| 275 | 9 | 32.52 | 0.1 | 0.15 | No |
| 276 | 9 | 32.52 | 0.1 | 0.15 | No |
| 277 | 9 | 32.52 | 0.1 | 0.15 | No |
| 278 | 9 | 32.52 | 0.1 | 0.15 | No |
| 279 | 9 | 32.51 | 0.1 | 0.15 | No |
| 280 | 9 | 32.51 | 0.1 | 0.15 | No |
| 281 | 9 | 32.51 | 0.1 | 0.15 | No |
| 282 | 9 | 32.51 | 0.1 | 0.15 | No |
| 283 | 9 | 32.51 | 0.1 | 0.15 | No |
| 284 | 9 | 32.51 | 0.09 | 0.15 | No |
| 285 | 9 | 32.51 | 0.09 | 0.15 | No |
| 286 | 9 | 32.51 | 0.09 | 0.15 | No |
| 287 | 9 | 32.51 | 0.09 | 0.15 | No |
| 288 | 9 | 32.51 | 0.09 | 0.15 | No |
| 289 | 9 | 32.51 | 0.09 | 0.15 | No |
| 290 | 9 | 32.51 | 0.09 | 0.15 | No |
| 291 | 9 | 32.5 | 0.09 | 0.15 | No |
| 292 | 9 | 32.5 | 0.09 | 0.15 | No |
| 293 | 9 | 32.5 | 0.09 | 0.15 | No |
| 294 | 9 | 32.5 | 0.09 | 0.15 | No |
| 295 | 9 | 32.5 | 0.09 | 0.15 | No |
| 296 | 9 | 32.5 | 0.09 | 0.15 | No |
| 297 | 7.45 | 32.5 | 0.09 | 1.43 | No |

**Table I-2. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 298 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 299 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 300 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 301 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 302 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 303 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 304 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 305 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 306 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 307 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 308 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 309 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 310 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 311 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 312 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 313 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 314 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 315 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 316 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 317 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 318 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 319 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 320 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 321 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 322 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 323 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 324 | 7.45 | 32.5 | 0.09 | 1.43 | No |
| 325 | 7.45 | 32.5 | 0.09 | 1.43 | No |

**Table I-3. Ammonia toxicity results for subsegment 120304**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 405 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 406 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 407 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 408 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 409 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 410 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 411 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 412 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 413 | 7.30 | 31.90 | 0.10 | 1.66 | No |
| 414 | 7.30 | 31.90 | 0.10 | 1.66 | No |
| 415 | 7.30 | 31.90 | 0.10 | 1.66 | No |
| 416 | 7.30 | 31.90 | 0.10 | 1.66 | No |
| 417 | 7.30 | 31.90 | 0.10 | 1.66 | No |
| 418 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 419 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 420 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 421 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 422 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 423 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 424 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 425 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 426 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 427 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 428 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 429 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 430 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 431 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 432 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 433 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 434 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 435 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 436 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 437 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 438 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 439 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 440 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 441 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 442 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 443 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 444 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 445 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 446 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 447 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 448 | 7.30 | 31.90 | 0.09 | 1.66 | No |

**Table I-3. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 449 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 450 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 451 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 452 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 453 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 454 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 455 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 456 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 457 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 458 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 459 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 460 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 461 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 462 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 463 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 464 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 465 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 466 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 467 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 468 | 7.30 | 31.90 | 0.08 | 1.66 | No |
| 469 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 470 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 471 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 472 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 473 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 474 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 475 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 476 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 477 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 478 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 479 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 480 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 481 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 482 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 483 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 484 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 485 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 486 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 487 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 488 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 489 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 490 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 491 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 492 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 493 | 7.30 | 31.90 | 0.09 | 1.66 | No |

**Table I-3. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 494 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 495 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 496 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 497 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 498 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 499 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 500 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 501 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 502 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 503 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 504 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 505 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 506 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 507 | 7.30 | 31.90 | 0.09 | 1.66 | No |
| 508 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 509 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 510 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 511 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 512 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 513 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 514 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 515 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 516 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 517 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 518 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 519 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 520 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 521 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 522 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 523 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 524 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 525 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 526 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 527 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 528 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 529 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 530 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 531 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 532 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 533 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 534 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 535 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 536 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 537 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 538 | 7.3 | 31.9 | 0.08 | 1.66 | No |

**Table I-3. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 539 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 540 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 541 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 542 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 543 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 544 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 545 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 546 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 547 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 548 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 549 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 550 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 551 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 552 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 553 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 554 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 555 | 7.3 | 31.9 | 0.08 | 1.66 | No |
| 556 | 7.3 | 31.9 | 0.08 | 1.66 | No |

**Table I-4. Ammonia toxicity results for subsegment 120403**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 1 | 7.97 | 31.22 | 0.11 | 0.87 | No |
| 2 | 7.97 | 31.24 | 0.10 | 0.86 | No |
| 3 | 7.97 | 31.26 | 0.10 | 0.86 | No |
| 4 | 7.97 | 31.28 | 0.10 | 0.86 | No |
| 5 | 7.97 | 31.31 | 0.09 | 0.86 | No |
| 6 | 7.97 | 31.33 | 0.09 | 0.86 | No |
| 7 | 7.97 | 31.35 | 0.09 | 0.86 | No |
| 8 | 7.97 | 31.37 | 0.09 | 0.86 | No |
| 9 | 7.97 | 31.39 | 0.09 | 0.86 | No |
| 10 | 7.97 | 31.41 | 0.09 | 0.85 | No |
| 11 | 7.97 | 31.43 | 0.09 | 0.85 | No |
| 12 | 7.97 | 31.45 | 0.09 | 0.85 | No |
| 13 | 7.97 | 31.47 | 0.09 | 0.85 | No |
| 14 | 7.97 | 31.49 | 0.09 | 0.85 | No |
| 15 | 7.97 | 31.52 | 0.09 | 0.85 | No |
| 16 | 7.97 | 31.54 | 0.09 | 0.85 | No |
| 17 | 7.97 | 31.56 | 0.09 | 0.85 | No |
| 18 | 7.97 | 31.58 | 0.09 | 0.85 | No |
| 19 | 7.97 | 31.60 | 0.09 | 0.84 | No |
| 20 | 7.97 | 31.62 | 0.09 | 0.84 | No |
| 21 | 7.97 | 31.64 | 0.09 | 0.84 | No |
| 22 | 7.97 | 31.66 | 0.09 | 0.84 | No |
| 23 | 7.97 | 31.68 | 0.09 | 0.84 | No |
| 24 | 7.97 | 31.71 | 0.09 | 0.84 | No |
| 25 | 7.97 | 31.73 | 0.09 | 0.84 | No |
| 26 | 7.97 | 31.75 | 0.09 | 0.84 | No |
| 27 | 7.97 | 31.77 | 0.09 | 0.84 | No |
| 28 | 7.97 | 31.79 | 0.09 | 0.83 | No |
| 29 | 7.97 | 31.81 | 0.09 | 0.83 | No |
| 30 | 7.97 | 31.83 | 0.09 | 0.83 | No |
| 31 | 7.97 | 31.85 | 0.09 | 0.83 | No |
| 32 | 7.97 | 31.87 | 0.09 | 0.83 | No |
| 33 | 7.97 | 31.89 | 0.09 | 0.83 | No |
| 34 | 7.97 | 31.92 | 0.09 | 0.83 | No |
| 35 | 7.97 | 31.94 | 0.09 | 0.83 | No |
| 36 | 7.97 | 31.96 | 0.09 | 0.83 | No |
| 37 | 7.97 | 31.98 | 0.09 | 0.82 | No |
| 38 | 7.97 | 32.00 | 0.09 | 0.82 | No |
| 39 | 8.33 | 32.00 | 0.10 | 0.47 | No |
| 40 | 8.33 | 32.00 | 0.10 | 0.47 | No |
| 41 | 8.33 | 32.01 | 0.11 | 0.47 | No |
| 42 | 8.33 | 32.01 | 0.11 | 0.47 | No |
| 43 | 8.33 | 32.01 | 0.11 | 0.47 | No |
| 44 | 8.33 | 32.01 | 0.11 | 0.47 | No |

**Table I-4. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 45 | 8.33 | 32.01 | 0.11 | 0.47 | No |
| 46 | 8.33 | 32.02 | 0.11 | 0.47 | No |
| 47 | 8.33 | 32.02 | 0.11 | 0.47 | No |
| 48 | 8.33 | 32.02 | 0.12 | 0.47 | No |
| 49 | 8.33 | 32.02 | 0.12 | 0.47 | No |
| 50 | 8.33 | 32.02 | 0.12 | 0.47 | No |
| 51 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 52 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 53 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 54 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 55 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 56 | 8.33 | 32.03 | 0.12 | 0.47 | No |
| 57 | 8.33 | 32.04 | 0.12 | 0.47 | No |
| 58 | 8.33 | 32.04 | 0.13 | 0.47 | No |
| 59 | 8.33 | 32.04 | 0.13 | 0.47 | No |
| 60 | 8.33 | 32.04 | 0.13 | 0.47 | No |
| 61 | 8.33 | 32.04 | 0.13 | 0.47 | No |
| 62 | 8.33 | 32.05 | 0.13 | 0.47 | No |
| 63 | 8.33 | 32.05 | 0.13 | 0.47 | No |
| 64 | 8.33 | 32.05 | 0.13 | 0.47 | No |
| 65 | 8.33 | 32.05 | 0.13 | 0.47 | No |
| 66 | 8.33 | 32.05 | 0.13 | 0.47 | No |
| 67 | 8.33 | 32.06 | 0.13 | 0.47 | No |
| 68 | 8.33 | 32.06 | 0.13 | 0.47 | No |
| 69 | 8.33 | 32.06 | 0.12 | 0.47 | No |
| 70 | 8.33 | 32.06 | 0.12 | 0.47 | No |
| 71 | 8.33 | 32.06 | 0.12 | 0.47 | No |
| 72 | 8.33 | 32.07 | 0.12 | 0.47 | No |
| 73 | 8.33 | 32.07 | 0.12 | 0.47 | No |
| 74 | 8.33 | 32.07 | 0.12 | 0.47 | No |
| 75 | 8.33 | 32.07 | 0.12 | 0.47 | No |
| 76 | 8.33 | 32.07 | 0.12 | 0.47 | No |
| 77 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 78 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 79 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 80 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 81 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 82 | 8.33 | 32.08 | 0.11 | 0.47 | No |
| 83 | 8.33 | 32.09 | 0.11 | 0.47 | No |
| 84 | 8.33 | 32.09 | 0.11 | 0.47 | No |
| 85 | 8.33 | 32.09 | 0.11 | 0.47 | No |
| 86 | 8.33 | 32.09 | 0.10 | 0.47 | No |
| 87 | 8.33 | 32.09 | 0.10 | 0.47 | No |
| 88 | 8.33 | 32.10 | 0.10 | 0.47 | No |
| 89 | 8.33 | 32.10 | 0.10 | 0.47 | No |

**Table I-4. (Continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 90 | 8.33 | 32.10 | 0.10 | 0.47 | No |
| 91 | 7.68 | 32.11 | 0.10 | 1.18 | No |
| 92 | 7.68 | 32.11 | 0.10 | 1.18 | No |
| 93 | 7.68 | 32.12 | 0.10 | 1.18 | No |
| 94 | 7.68 | 32.12 | 0.10 | 1.18 | No |
| 95 | 7.68 | 32.13 | 0.10 | 1.18 | No |
| 96 | 7.68 | 32.13 | 0.10 | 1.18 | No |
| 97 | 7.68 | 32.14 | 0.09 | 1.17 | No |
| 98 | 7.68 | 32.14 | 0.09 | 1.17 | No |
| 99 | 7.68 | 32.15 | 0.09 | 1.17 | No |
| 100 | 7.68 | 32.15 | 0.09 | 1.17 | No |
| 101 | 7.68 | 32.16 | 0.09 | 1.17 | No |
| 102 | 7.68 | 32.16 | 0.09 | 1.17 | No |
| 103 | 7.68 | 32.17 | 0.09 | 1.17 | No |
| 104 | 7.68 | 32.17 | 0.09 | 1.17 | No |
| 105 | 7.68 | 32.18 | 0.09 | 1.17 | No |
| 106 | 7.68 | 32.18 | 0.09 | 1.17 | No |
| 107 | 7.68 | 32.19 | 0.09 | 1.17 | No |
| 108 | 7.68 | 32.19 | 0.09 | 1.17 | No |
| 109 | 7.68 | 32.2 | 0.09 | 1.17 | No |
| 110 | 7.68 | 32.21 | 0.09 | 1.17 | No |
| 111 | 7.68 | 32.21 | 0.09 | 1.17 | No |
| 112 | 7.68 | 32.22 | 0.08 | 1.17 | No |
| 113 | 7.68 | 32.22 | 0.08 | 1.17 | No |
| 114 | 7.68 | 32.23 | 0.08 | 1.17 | No |
| 115 | 7.68 | 32.23 | 0.08 | 1.17 | No |
| 116 | 7.68 | 32.24 | 0.08 | 1.17 | No |
| 117 | 7.68 | 32.24 | 0.09 | 1.17 | No |
| 118 | 7.68 | 32.25 | 0.09 | 1.17 | No |
| 119 | 7.68 | 32.25 | 0.09 | 1.17 | No |
| 120 | 7.68 | 32.26 | 0.1 | 1.17 | No |
| 121 | 7.68 | 32.26 | 0.1 | 1.17 | No |
| 122 | 7.68 | 32.27 | 0.1 | 1.16 | No |
| 123 | 7.68 | 32.27 | 0.1 | 1.16 | No |
| 124 | 7.68 | 32.28 | 0.1 | 1.16 | No |
| 125 | 7.68 | 32.28 | 0.1 | 1.16 | No |
| 126 | 7.68 | 32.29 | 0.1 | 1.16 | No |
| 127 | 7.68 | 32.29 | 0.1 | 1.16 | No |
| 128 | 7.68 | 32.3 | 0.1 | 1.16 | No |
| 129 | 7 | 32.3 | 0.1 | 1.88 | No |
| 130 | 7 | 32.29 | 0.1 | 1.88 | No |
| 131 | 7 | 32.29 | 0.1 | 1.88 | No |
| 132 | 7 | 32.28 | 0.1 | 1.88 | No |
| 133 | 7 | 32.28 | 0.1 | 1.88 | No |

**Table I-4. (Continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 134 | 7 | 32.27 | 0.1 | 1.88 | No |
| 135 | 7 | 32.27 | 0.1 | 1.88 | No |
| 136 | 7 | 32.27 | 0.1 | 1.88 | No |
| 137 | 7 | 32.26 | 0.1 | 1.88 | No |
| 138 | 7 | 32.26 | 0.1 | 1.88 | No |
| 139 | 7 | 32.25 | 0.1 | 1.88 | No |
| 140 | 7 | 32.25 | 0.1 | 1.88 | No |
| 141 | 7 | 32.25 | 0.1 | 1.88 | No |
| 142 | 7 | 32.24 | 0.1 | 1.89 | No |
| 143 | 7 | 32.24 | 0.1 | 1.89 | No |
| 144 | 7 | 32.23 | 0.1 | 1.89 | No |
| 145 | 7 | 32.23 | 0.1 | 1.89 | No |
| 146 | 7 | 32.22 | 0.1 | 1.89 | No |
| 147 | 7 | 32.22 | 0.1 | 1.89 | No |
| 148 | 7 | 32.22 | 0.1 | 1.89 | No |
| 149 | 7 | 32.21 | 0.1 | 1.89 | No |
| 150 | 7 | 32.21 | 0.1 | 1.89 | No |
| 151 | 7 | 32.2 | 0.1 | 1.89 | No |
| 152 | 7 | 32.2 | 0.1 | 1.89 | No |
| 153 | 7 | 32.2 | 0.1 | 1.89 | No |
| 154 | 7 | 32.19 | 0.1 | 1.89 | No |
| 155 | 7 | 32.19 | 0.1 | 1.89 | No |
| 156 | 7 | 32.18 | 0.1 | 1.89 | No |
| 157 | 7 | 32.18 | 0.1 | 1.89 | No |
| 158 | 7 | 32.17 | 0.1 | 1.89 | No |
| 159 | 7 | 32.17 | 0.1 | 1.89 | No |
| 160 | 7 | 32.17 | 0.1 | 1.89 | No |
| 161 | 7 | 32.16 | 0.1 | 1.89 | No |
| 162 | 7 | 32.16 | 0.1 | 1.89 | No |
| 163 | 7 | 32.15 | 0.1 | 1.90 | No |
| 164 | 7 | 32.15 | 0.1 | 1.90 | No |
| 165 | 7 | 32.15 | 0.1 | 1.90 | No |
| 166 | 7 | 32.14 | 0.1 | 1.90 | No |
| 167 | 7 | 32.14 | 0.1 | 1.90 | No |
| 168 | 7 | 32.13 | 0.1 | 1.90 | No |
| 169 | 7 | 32.13 | 0.1 | 1.90 | No |
| 170 | 7 | 32.12 | 0.09 | 1.90 | No |
| 171 | 7 | 32.12 | 0.09 | 1.90 | No |
| 172 | 7 | 32.12 | 0.09 | 1.90 | No |
| 173 | 7 | 32.11 | 0.09 | 1.90 | No |
| 174 | 7 | 32.11 | 0.09 | 1.90 | No |
| 175 | 7 | 32.1 | 0.09 | 1.90 | No |
| 176 | 7 | 32.1 | 0.09 | 1.90 | No |
| 177 | 7 | 32.1 | 0.09 | 1.90 | No |

**Table I-4. (Continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 178 | 7 | 32.09 | 0.09 | 1.90 | No |
| 179 | 7 | 32.09 | 0.09 | 1.90 | No |
| 180 | 7 | 32.08 | 0.09 | 1.90 | No |
| 181 | 7 | 32.08 | 0.09 | 1.90 | No |
| 182 | 7 | 32.08 | 0.09 | 1.90 | No |
| 183 | 7 | 32.07 | 0.09 | 1.91 | No |
| 184 | 7 | 32.07 | 0.09 | 1.91 | No |
| 185 | 7 | 32.06 | 0.09 | 1.91 | No |
| 186 | 7 | 32.06 | 0.09 | 1.91 | No |
| 187 | 7 | 32.05 | 0.09 | 1.91 | No |
| 188 | 7 | 32.05 | 0.09 | 1.91 | No |
| 189 | 7 | 32.05 | 0.09 | 1.91 | No |
| 190 | 7 | 32.04 | 0.09 | 1.91 | No |
| 191 | 7 | 32.04 | 0.09 | 1.91 | No |
| 192 | 7 | 32.03 | 0.09 | 1.91 | No |
| 193 | 7 | 32.03 | 0.09 | 1.91 | No |
| 194 | 7 | 32.02 | 0.09 | 1.91 | No |
| 195 | 7 | 32.02 | 0.09 | 1.91 | No |
| 196 | 7 | 32.02 | 0.09 | 1.91 | No |
| 197 | 7 | 32.01 | 0.09 | 1.91 | No |
| 198 | 7 | 32.01 | 0.09 | 1.91 | No |
| 199 | 7 | 32 | 0.09 | 1.91 | No |
| 200 | 7 | 32 | 0.09 | 1.91 | No |
| 201 | 7 | 32 | 0.09 | 1.91 | No |
| 202 | 7 | 31.99 | 0.09 | 1.92 | No |
| 203 | 7 | 31.99 | 0.09 | 1.92 | No |
| 204 | 7 | 31.98 | 0.09 | 1.92 | No |
| 205 | 7 | 31.98 | 0.09 | 1.92 | No |
| 206 | 7 | 31.98 | 0.09 | 1.92 | No |
| 207 | 7 | 31.97 | 0.09 | 1.92 | No |
| 208 | 7 | 31.97 | 0.09 | 1.92 | No |
| 209 | 7 | 31.96 | 0.09 | 1.92 | No |
| 210 | 7 | 31.96 | 0.09 | 1.92 | No |
| 211 | 7 | 31.95 | 0.09 | 1.92 | No |
| 212 | 7 | 31.95 | 0.09 | 1.92 | No |
| 213 | 7 | 31.95 | 0.09 | 1.92 | No |
| 214 | 7 | 31.94 | 0.09 | 1.92 | No |
| 215 | 7 | 31.94 | 0.09 | 1.92 | No |
| 216 | 7 | 31.93 | 0.09 | 1.92 | No |
| 217 | 7 | 31.93 | 0.09 | 1.92 | No |
| 218 | 7 | 31.92 | 0.09 | 1.92 | No |
| 219 | 7 | 31.92 | 0.09 | 1.92 | No |
| 220 | 7 | 31.92 | 0.09 | 1.92 | No |
| 221 | 7 | 31.91 | 0.09 | 1.93 | No |

**Table I-4. (Continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 222 | 7 | 31.91 | 0.09 | 1.93 | No |
| 223 | 7 | 31.9 | 0.09 | 1.93 | No |
| 224 | 7 | 31.9 | 0.09 | 1.93 | No |

**Table I-5. Ammonia toxicity results for subsegment 120604**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 1 | 7.40 | 31.20 | 0.09 | 1.61 | No |
| 2 | 7.40 | 31.21 | 0.09 | 1.61 | No |
| 3 | 7.40 | 31.21 | 0.09 | 1.61 | No |
| 4 | 7.40 | 31.22 | 0.09 | 1.61 | No |
| 5 | 7.40 | 31.22 | 0.09 | 1.61 | No |
| 6 | 7.40 | 31.23 | 0.09 | 1.61 | No |
| 7 | 7.40 | 31.23 | 0.09 | 1.61 | No |
| 8 | 7.40 | 31.24 | 0.09 | 1.61 | No |
| 9 | 7.40 | 31.24 | 0.09 | 1.61 | No |
| 10 | 7.40 | 31.25 | 0.09 | 1.61 | No |
| 11 | 7.40 | 31.25 | 0.09 | 1.61 | No |
| 12 | 7.40 | 31.26 | 0.09 | 1.61 | No |
| 13 | 7.40 | 31.26 | 0.09 | 1.61 | No |
| 14 | 7.40 | 31.27 | 0.09 | 1.61 | No |
| 15 | 7.40 | 31.27 | 0.09 | 1.61 | No |
| 16 | 7.40 | 31.28 | 0.09 | 1.61 | No |
| 17 | 7.40 | 31.28 | 0.09 | 1.61 | No |
| 18 | 7.40 | 31.29 | 0.09 | 1.61 | No |
| 19 | 7.40 | 31.29 | 0.09 | 1.61 | No |
| 20 | 7.40 | 31.30 | 0.09 | 1.60 | No |
| 21 | 7.40 | 31.30 | 0.09 | 1.60 | No |
| 22 | 7.40 | 31.31 | 0.09 | 1.60 | No |
| 23 | 7.40 | 31.31 | 0.09 | 1.60 | No |
| 24 | 7.40 | 31.32 | 0.09 | 1.60 | No |
| 25 | 7.40 | 31.32 | 0.09 | 1.60 | No |
| 26 | 7.40 | 31.33 | 0.09 | 1.60 | No |
| 27 | 7.40 | 31.33 | 0.09 | 1.60 | No |
| 28 | 7.40 | 31.34 | 0.09 | 1.60 | No |
| 29 | 7.40 | 31.34 | 0.09 | 1.60 | No |
| 30 | 7.40 | 31.35 | 0.09 | 1.60 | No |
| 31 | 7.40 | 31.35 | 0.09 | 1.60 | No |
| 32 | 7.40 | 31.36 | 0.09 | 1.60 | No |
| 33 | 7.40 | 31.36 | 0.09 | 1.60 | No |
| 34 | 7.40 | 31.36 | 0.09 | 1.60 | No |
| 35 | 7.40 | 31.37 | 0.09 | 1.60 | No |
| 36 | 7.40 | 31.37 | 0.09 | 1.60 | No |
| 37 | 7.40 | 31.38 | 0.09 | 1.60 | No |
| 38 | 7.40 | 31.38 | 0.09 | 1.60 | No |
| 39 | 7.40 | 31.39 | 0.09 | 1.60 | No |
| 40 | 7.40 | 31.39 | 0.09 | 1.60 | No |
| 41 | 7.40 | 31.40 | 0.09 | 1.59 | No |
| 42 | 7.40 | 31.40 | 0.09 | 1.59 | No |
| 43 | 7.40 | 31.41 | 0.09 | 1.59 | No |

**Table I-5. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 44 | 7.40 | 31.41 | 0.09 | 1.59 | No |
| 45 | 7.40 | 31.42 | 0.09 | 1.59 | No |
| 46 | 7.40 | 31.42 | 0.09 | 1.59 | No |
| 47 | 7.40 | 31.43 | 0.09 | 1.59 | No |
| 48 | 7.40 | 31.43 | 0.09 | 1.59 | No |
| 49 | 7.40 | 31.44 | 0.09 | 1.59 | No |
| 50 | 7.40 | 31.44 | 0.09 | 1.59 | No |
| 51 | 7.40 | 31.45 | 0.09 | 1.59 | No |
| 52 | 7.40 | 31.45 | 0.09 | 1.59 | No |
| 53 | 7.40 | 31.46 | 0.09 | 1.59 | No |
| 54 | 7.40 | 31.46 | 0.09 | 1.59 | No |
| 55 | 7.40 | 31.47 | 0.09 | 1.59 | No |
| 56 | 7.40 | 31.47 | 0.09 | 1.59 | No |
| 57 | 7.40 | 31.48 | 0.09 | 1.59 | No |
| 58 | 7.40 | 31.48 | 0.09 | 1.59 | No |
| 59 | 7.40 | 31.49 | 0.09 | 1.58 | No |
| 60 | 7.40 | 31.49 | 0.09 | 1.58 | No |
| 61 | 7.40 | 31.50 | 0.09 | 1.58 | No |
| 62 | 7.40 | 31.50 | 0.09 | 1.58 | No |
| 63 | 7.40 | 31.51 | 0.09 | 1.58 | No |
| 64 | 7.40 | 31.51 | 0.09 | 1.58 | No |
| 65 | 7.40 | 31.52 | 0.09 | 1.58 | No |
| 66 | 7.40 | 31.52 | 0.09 | 1.58 | No |
| 67 | 7.40 | 31.52 | 0.09 | 1.58 | No |
| 68 | 7.40 | 31.53 | 0.09 | 1.58 | No |
| 69 | 7.40 | 31.53 | 0.09 | 1.58 | No |
| 70 | 7.40 | 31.54 | 0.09 | 1.58 | No |
| 71 | 7.40 | 31.54 | 0.09 | 1.58 | No |
| 72 | 7.40 | 31.55 | 0.09 | 1.58 | No |
| 73 | 7.40 | 31.55 | 0.09 | 1.58 | No |
| 74 | 7.40 | 31.56 | 0.09 | 1.58 | No |
| 75 | 7.40 | 31.56 | 0.09 | 1.58 | No |
| 76 | 7.40 | 31.57 | 0.09 | 1.58 | No |
| 77 | 7.40 | 31.57 | 0.09 | 1.58 | No |
| 78 | 7.40 | 31.58 | 0.09 | 1.58 | No |
| 79 | 7.40 | 31.58 | 0.09 | 1.58 | No |
| 80 | 7.40 | 31.59 | 0.09 | 1.57 | No |
| 81 | 7.40 | 31.59 | 0.09 | 1.57 | No |
| 82 | 7.40 | 31.60 | 0.09 | 1.57 | No |
| 83 | 7.40 | 31.60 | 0.09 | 1.57 | No |
| 84 | 7.40 | 31.61 | 0.09 | 1.57 | No |
| 85 | 7.40 | 31.61 | 0.09 | 1.57 | No |
| 86 | 7.40 | 31.62 | 0.09 | 1.57 | No |
| 87 | 7.40 | 31.62 | 0.09 | 1.57 | No |
| 88 | 7.40 | 31.63 | 0.09 | 1.57 | No |

**Table I-5. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 89 | 7.40 | 31.63 | 0.09 | 1.57 | No |
| 90 | 7.40 | 31.64 | 0.09 | 1.57 | No |
| 91 | 7.40 | 31.64 | 0.09 | 1.57 | No |
| 92 | 7.40 | 31.65 | 0.09 | 1.57 | No |
| 93 | 7.40 | 31.65 | 0.09 | 1.57 | No |
| 94 | 7.40 | 31.66 | 0.09 | 1.57 | No |
| 95 | 7.40 | 31.66 | 0.09 | 1.57 | No |
| 96 | 7.40 | 31.67 | 0.09 | 1.57 | No |
| 97 | 7.40 | 31.67 | 0.08 | 1.57 | No |
| 98 | 7.40 | 31.68 | 0.08 | 1.57 | No |
| 99 | 7.40 | 31.68 | 0.08 | 1.57 | No |
| 100 | 7.40 | 31.68 | 0.08 | 1.57 | No |
| 101 | 7.40 | 31.69 | 0.08 | 1.56 | No |
| 102 | 7.40 | 31.69 | 0.08 | 1.56 | No |
| 103 | 7.40 | 31.70 | 0.09 | 1.56 | No |
| 104 | 7.4 | 31.7 | 0.09 | 1.56 | No |
| 105 | 7.4 | 31.71 | 0.09 | 1.56 | No |
| 106 | 7.4 | 31.71 | 0.09 | 1.56 | No |
| 107 | 7.4 | 31.72 | 0.09 | 1.56 | No |
| 108 | 7.4 | 31.72 | 0.09 | 1.56 | No |
| 109 | 7.4 | 31.73 | 0.09 | 1.56 | No |
| 110 | 7.4 | 31.73 | 0.09 | 1.56 | No |
| 111 | 7.4 | 31.74 | 0.08 | 1.56 | No |
| 112 | 7.4 | 31.74 | 0.08 | 1.56 | No |
| 113 | 7.4 | 31.75 | 0.08 | 1.56 | No |
| 114 | 7.4 | 31.75 | 0.08 | 1.56 | No |
| 115 | 7.4 | 31.76 | 0.08 | 1.56 | No |
| 116 | 7.4 | 31.76 | 0.08 | 1.56 | No |
| 117 | 7.4 | 31.77 | 0.08 | 1.56 | No |
| 118 | 7.4 | 31.77 | 0.08 | 1.56 | No |
| 119 | 7.4 | 31.78 | 0.09 | 1.56 | No |
| 120 | 7.4 | 31.78 | 0.09 | 1.56 | No |
| 121 | 7.4 | 31.79 | 0.09 | 1.55 | No |
| 122 | 7.4 | 31.79 | 0.09 | 1.55 | No |
| 123 | 7.4 | 31.8 | 0.09 | 1.55 | No |
| 124 | 7.4 | 31.8 | 0.09 | 1.55 | No |
| 125 | 7.4 | 31.81 | 0.09 | 1.55 | No |
| 126 | 7.4 | 31.81 | 0.09 | 1.55 | No |
| 127 | 7.4 | 31.82 | 0.09 | 1.55 | No |
| 128 | 7.4 | 31.82 | 0.09 | 1.55 | No |
| 129 | 7.4 | 31.83 | 0.08 | 1.55 | No |
| 130 | 7.4 | 31.83 | 0.08 | 1.55 | No |
| 131 | 7.4 | 31.84 | 0.08 | 1.55 | No |
| 132 | 7.4 | 31.84 | 0.08 | 1.55 | No |
| 133 | 7.4 | 31.84 | 0.08 | 1.55 | No |

**Table I-5. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 134 | 7.4 | 31.85 | 0.08 | 1.55 | No |
| 135 | 7.4 | 31.85 | 0.08 | 1.55 | No |
| 136 | 7.4 | 31.86 | 0.08 | 1.55 | No |
| 137 | 7.4 | 31.86 | 0.08 | 1.55 | No |
| 138 | 7.4 | 31.87 | 0.08 | 1.55 | No |
| 139 | 7.4 | 31.87 | 0.08 | 1.55 | No |
| 140 | 7.4 | 31.88 | 0.08 | 1.55 | No |
| 141 | 7.4 | 31.88 | 0.08 | 1.55 | No |
| 142 | 7.4 | 31.89 | 0.08 | 1.54 | No |
| 143 | 7.4 | 31.89 | 0.08 | 1.54 | No |
| 144 | 7.4 | 31.9 | 0.08 | 1.54 | No |
| 145 | 7.4 | 31.9 | 0.08 | 1.54 | No |
| 146 | 7.4 | 31.91 | 0.08 | 1.54 | No |
| 147 | 7.4 | 31.91 | 0.08 | 1.54 | No |
| 148 | 7.4 | 31.92 | 0.08 | 1.54 | No |
| 149 | 7.4 | 31.92 | 0.08 | 1.54 | No |
| 150 | 7.4 | 31.93 | 0.08 | 1.54 | No |
| 151 | 7.4 | 31.93 | 0.08 | 1.54 | No |
| 152 | 7.4 | 31.94 | 0.08 | 1.54 | No |
| 153 | 7.4 | 31.94 | 0.08 | 1.54 | No |
| 154 | 7.4 | 31.95 | 0.08 | 1.54 | No |
| 155 | 7.4 | 31.95 | 0.08 | 1.54 | No |
| 156 | 7.4 | 31.96 | 0.08 | 1.54 | No |
| 157 | 7.4 | 31.96 | 0.08 | 1.54 | No |
| 158 | 7.4 | 31.97 | 0.08 | 1.54 | No |
| 159 | 7.4 | 31.97 | 0.08 | 1.54 | No |
| 160 | 7.4 | 31.98 | 0.08 | 1.54 | No |
| 161 | 7.4 | 31.98 | 0.08 | 1.54 | No |
| 162 | 7.4 | 31.99 | 0.08 | 1.53 | No |
| 163 | 7.4 | 31.99 | 0.08 | 1.53 | No |
| 164 | 7.4 | 32 | 0.08 | 1.53 | No |
| 165 | 7.4 | 32 | 0.08 | 1.53 | No |
| 166 | 7.4 | 32 | 0.08 | 1.53 | No |
| 167 | 7.4 | 32 | 0.08 | 1.53 | No |
| 168 | 7.4 | 32 | 0.08 | 1.53 | No |
| 169 | 7.4 | 32 | 0.08 | 1.53 | No |
| 170 | 7.4 | 32 | 0.08 | 1.53 | No |
| 171 | 7.4 | 32 | 0.08 | 1.53 | No |
| 172 | 7.4 | 32 | 0.08 | 1.53 | No |
| 173 | 7.4 | 32 | 0.08 | 1.53 | No |
| 174 | 7.4 | 32 | 0.08 | 1.53 | No |
| 175 | 7.4 | 32 | 0.08 | 1.53 | No |
| 176 | 7.4 | 32 | 0.08 | 1.53 | No |
| 177 | 7.4 | 32 | 0.08 | 1.53 | No |
| 178 | 7.4 | 32 | 0.08 | 1.53 | No |

**Table I-5. (continued)**

| Model Element | Average observed pH | Model Temperature (℃) | Predicted NH3-N (mg N/L) | Calculated CCC (mg N/L) | Above CCC? |
|---|---|---|---|---|---|
| 179 | 7.4 | 32 | 0.08 | 1.53 | No |
| 180 | 7.4 | 32 | 0.08 | 1.53 | No |
| 181 | 7.4 | 32 | 0.08 | 1.53 | No |
| 182 | 7.4 | 32 | 0.08 | 1.53 | No |
| 183 | 7.4 | 32 | 0.08 | 1.53 | No |
| 184 | 7.4 | 32 | 0.08 | 1.53 | No |
| 185 | 7.4 | 32 | 0.08 | 1.53 | No |
| 186 | 7.4 | 32 | 0.08 | 1.53 | No |
| 187 | 7.4 | 32 | 0.08 | 1.53 | No |
| 188 | 7.4 | 32 | 0.08 | 1.53 | No |
| 189 | 7.4 | 32 | 0.08 | 1.53 | No |
| 190 | 7.4 | 32 | 0.08 | 1.53 | No |
| 191 | 7.4 | 32 | 0.08 | 1.53 | No |
| 192 | 7.4 | 32 | 0.08 | 1.53 | No |
| 193 | 7.4 | 32 | 0.08 | 1.53 | No |
| 194 | 7.4 | 32 | 0.08 | 1.53 | No |
| 195 | 7.4 | 32 | 0.08 | 1.53 | No |
| 196 | 7.4 | 32 | 0.08 | 1.53 | No |
| 197 | 7.4 | 32 | 0.08 | 1.53 | No |
| 198 | 7.4 | 32 | 0.08 | 1.53 | No |
| 199 | 7.4 | 32 | 0.08 | 1.53 | No |
| 200 | 7.4 | 32 | 0.08 | 1.53 | No |
| 201 | 7.4 | 32 | 0.08 | 1.53 | No |
| 202 | 7.4 | 32 | 0.08 | 1.53 | No |
| 203 | 7.4 | 32 | 0.08 | 1.53 | No |
| 204 | 7.4 | 32 | 0.08 | 1.53 | No |
| 205 | 7.4 | 32 | 0.07 | 1.53 | No |
| 206 | 7.4 | 32 | 0.07 | 1.53 | No |
| 207 | 7.4 | 32 | 0.07 | 1.53 | No |
| 208 | 7.4 | 32 | 0.07 | 1.53 | No |
| 209 | 7.4 | 32 | 0.07 | 1.53 | No |
| 210 | 7.4 | 32 | 0.07 | 1.53 | No |
| 211 | 7.4 | 32 | 0.07 | 1.53 | No |
| 212 | 7.4 | 32 | 0.07 | 1.53 | No |
| 213 | 7.4 | 32 | 0.07 | 1.53 | No |
| 214 | 7.4 | 32 | 0.07 | 1.53 | No |
| 215 | 7.4 | 32 | 0.07 | 1.53 | No |
| 216 | 7.4 | 32 | 0.07 | 1.53 | No |