APPENDIX E:
PLOTS OF CALIBRATED AND OBSERVED WATER QUALITY

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Figure E-28. DO calibration results for subsegment 120110 14

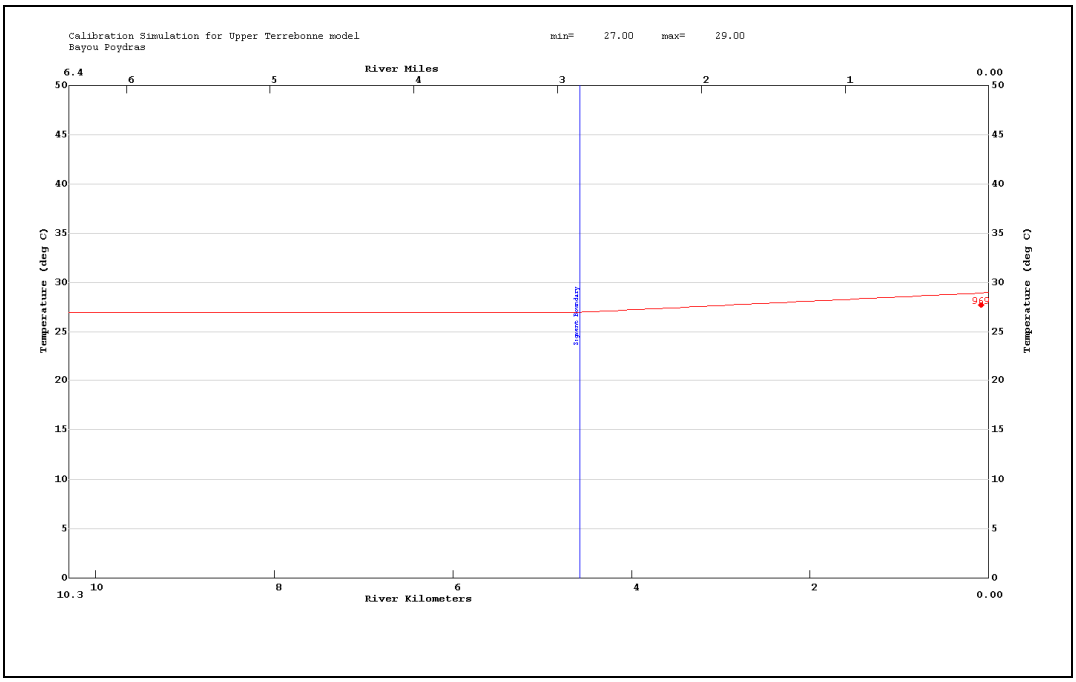

Figure E-1. Temperature calibration results for subsegment 120102

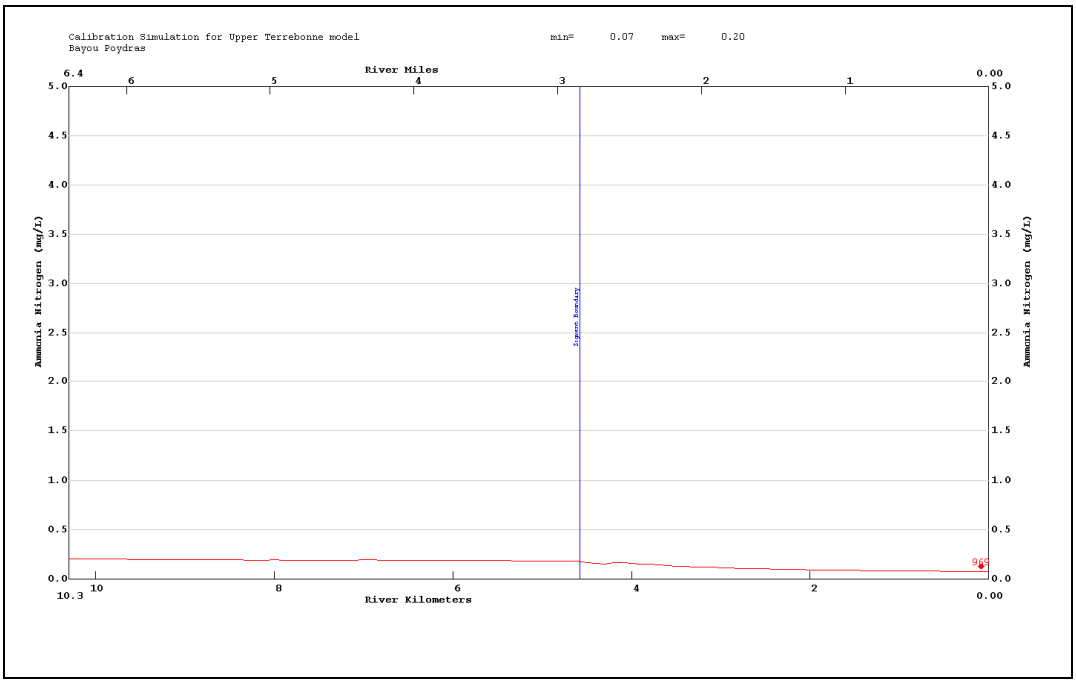

Figure E-2. Ammonia calibration results for subsegment 120102

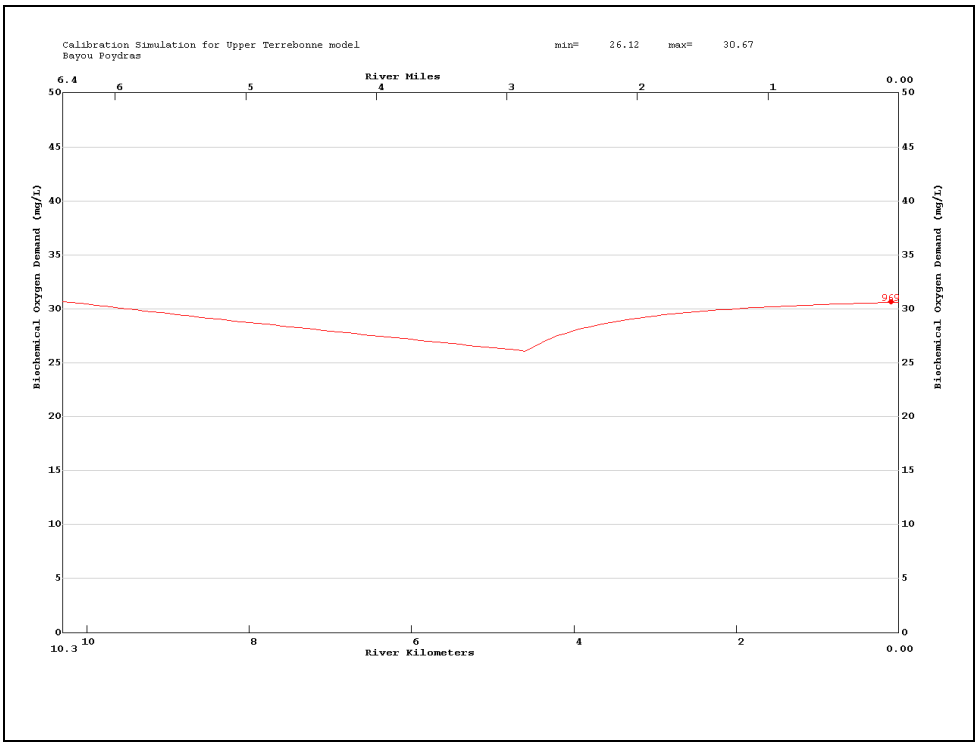

Figure E-3. BOD calibration results for subsegment 120102

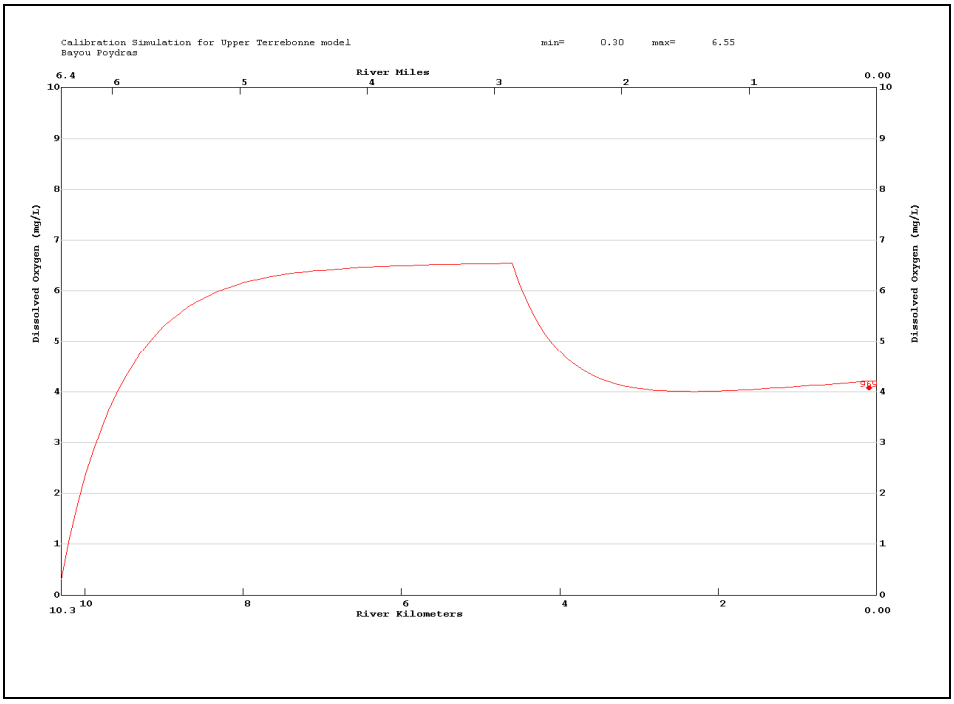

Figure E-4. DO calibration results for subsegment 120102

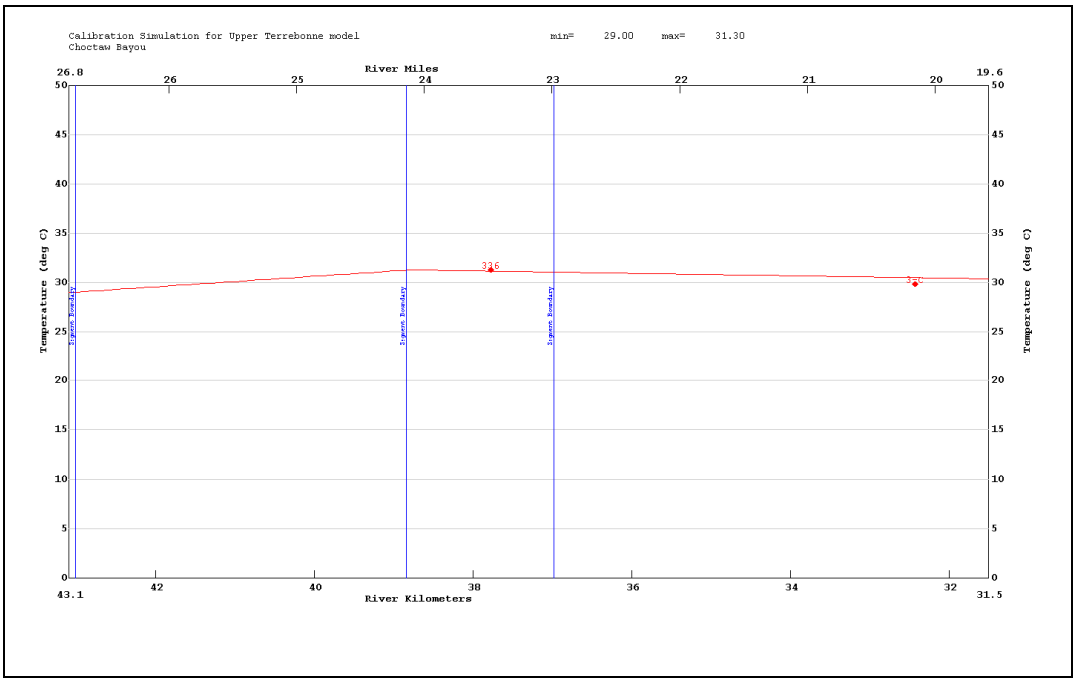

Figure E-5. Temperature calibration results for subsegment 120103

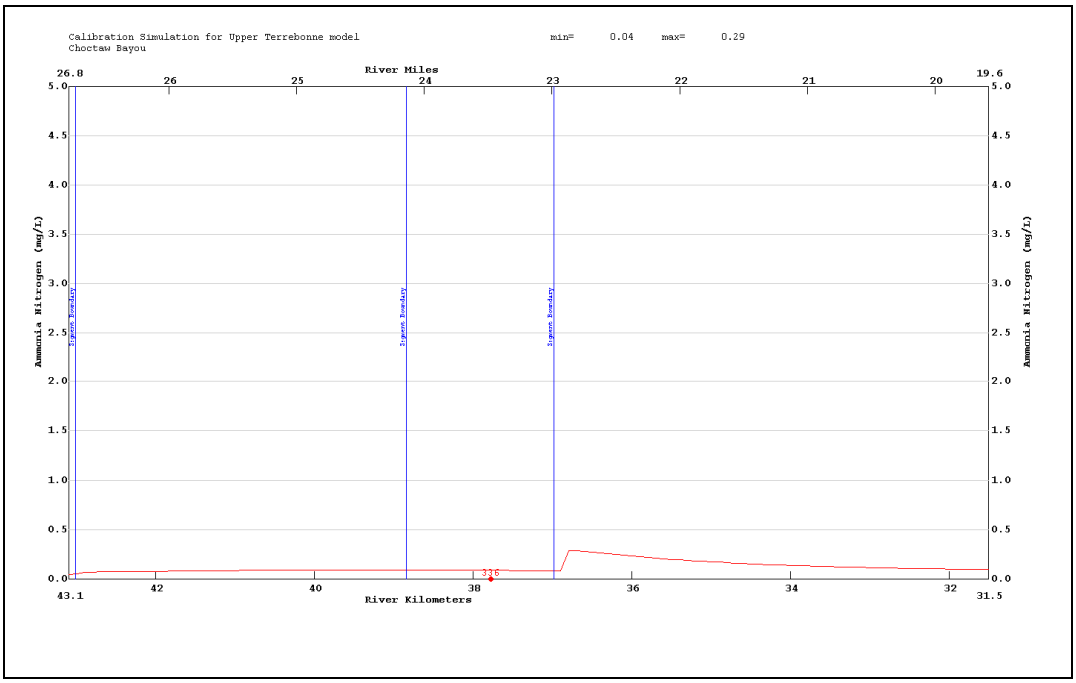

Figure E-6. Ammonia calibration results for subsegment 120103

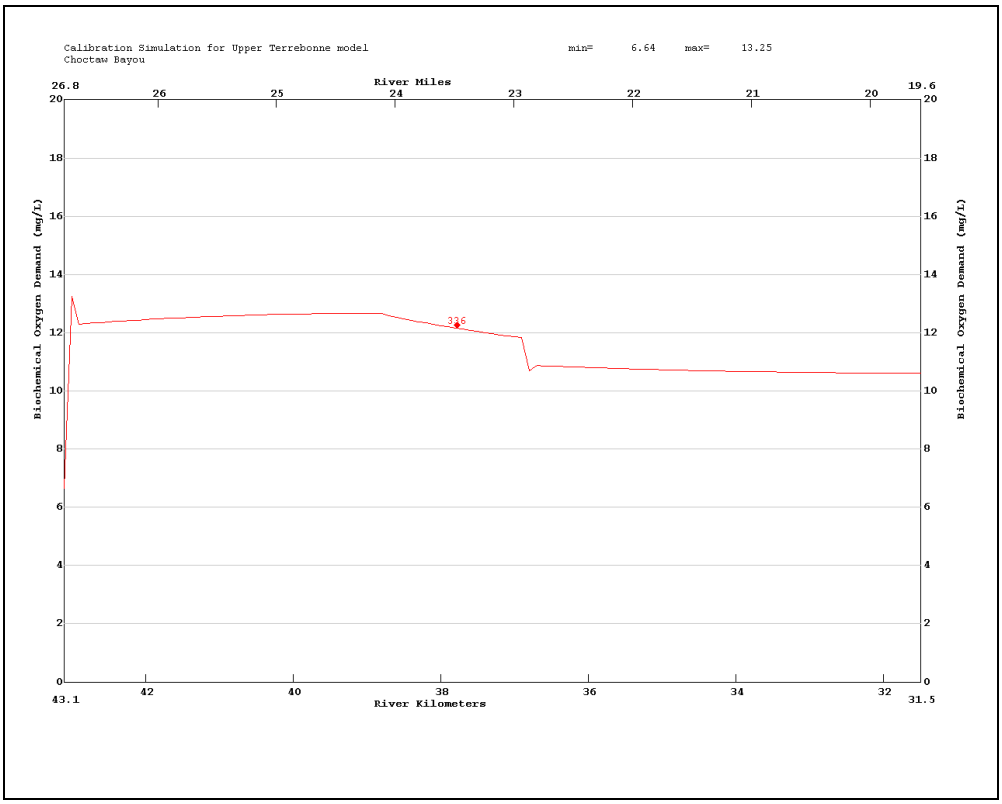

Figure E-7. BOD calibration results for subsegment 120103

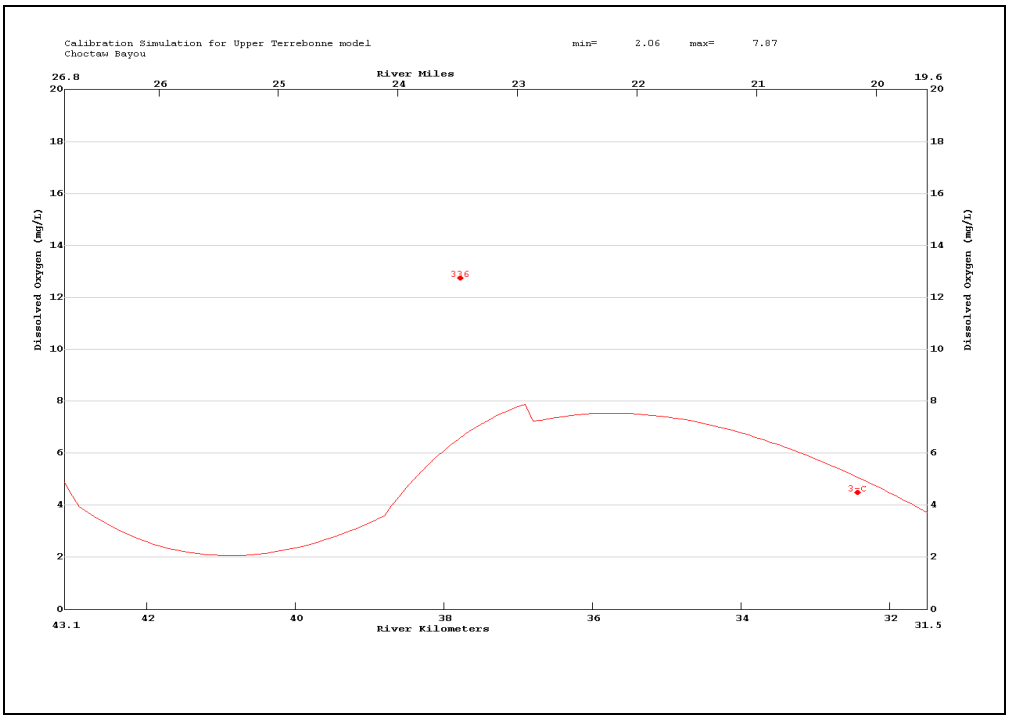

Figure E-8. DO calibration results for subsegment 120103

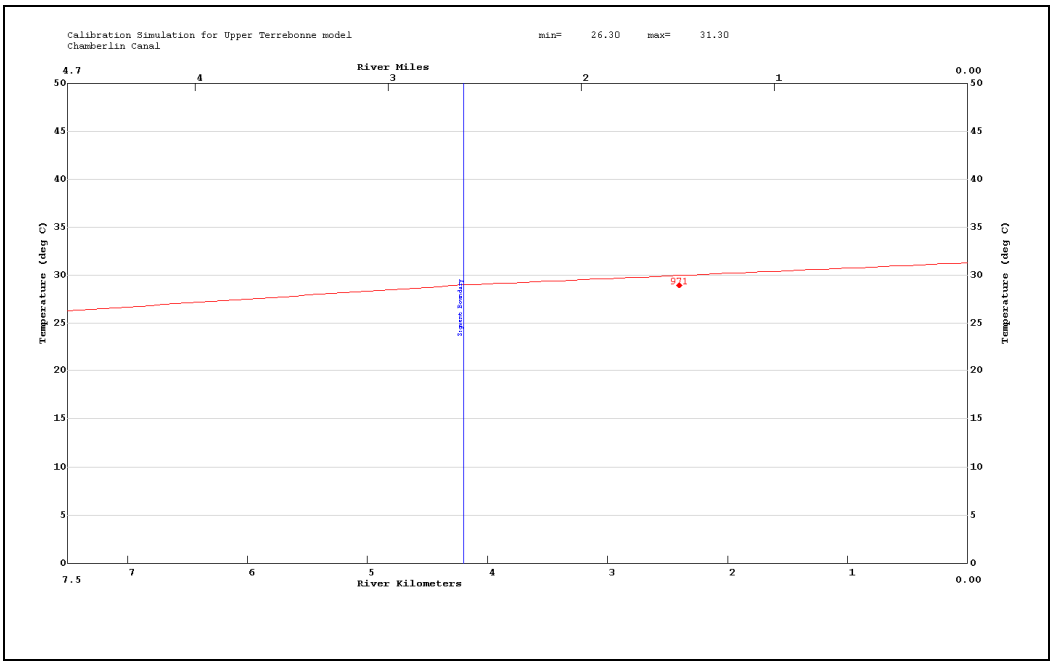

Figure E-9. Temperature calibration results for subsegment 120105

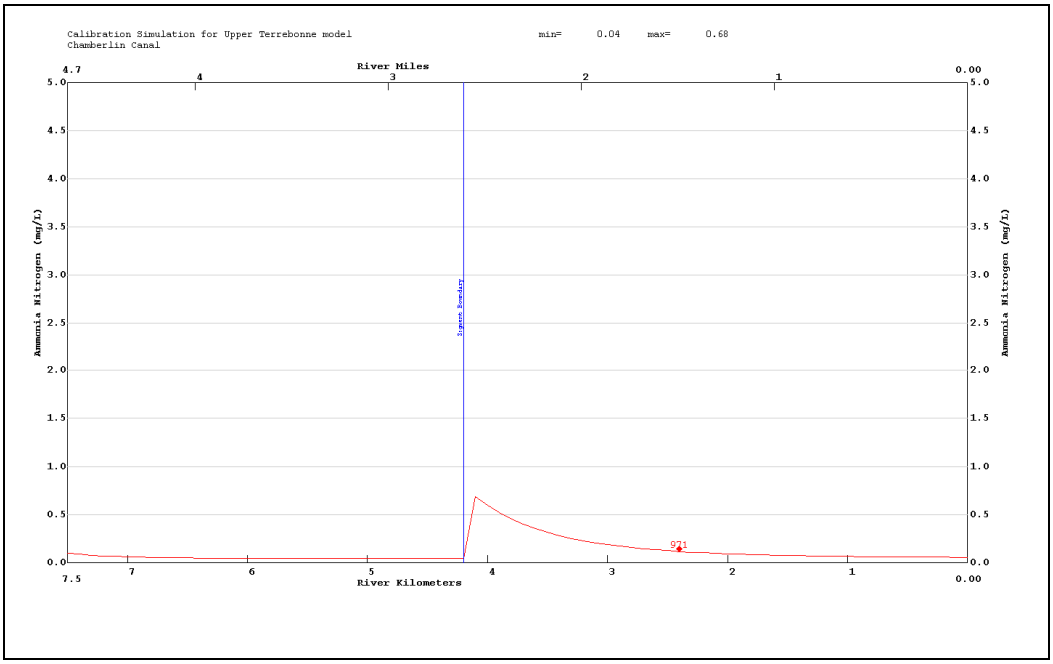

Figure E-10. Ammonia calibration results for subsegment 120105

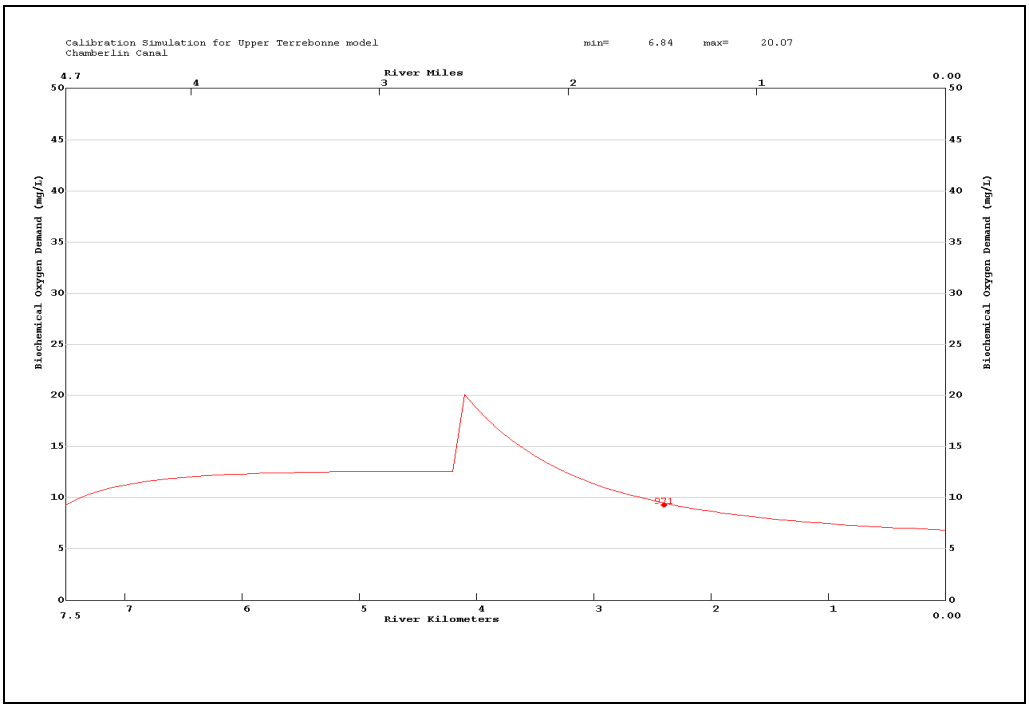

Figure E-11. BOD calibration results for subsegment 120105

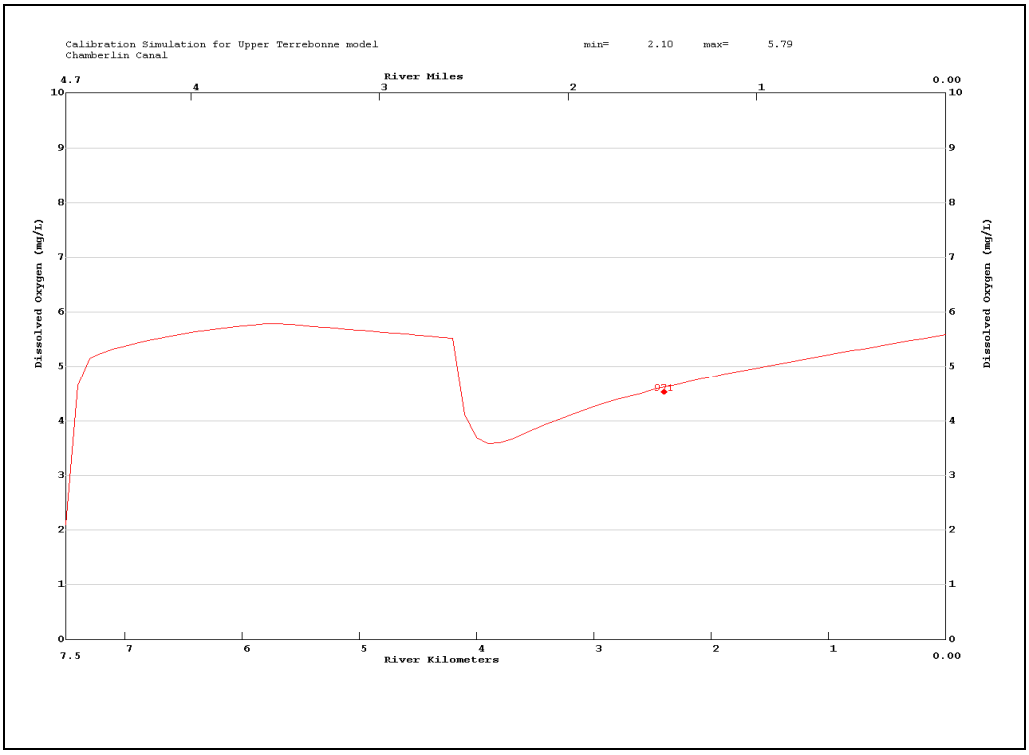

Figure E-12. DO calibration results for subsegment 120105

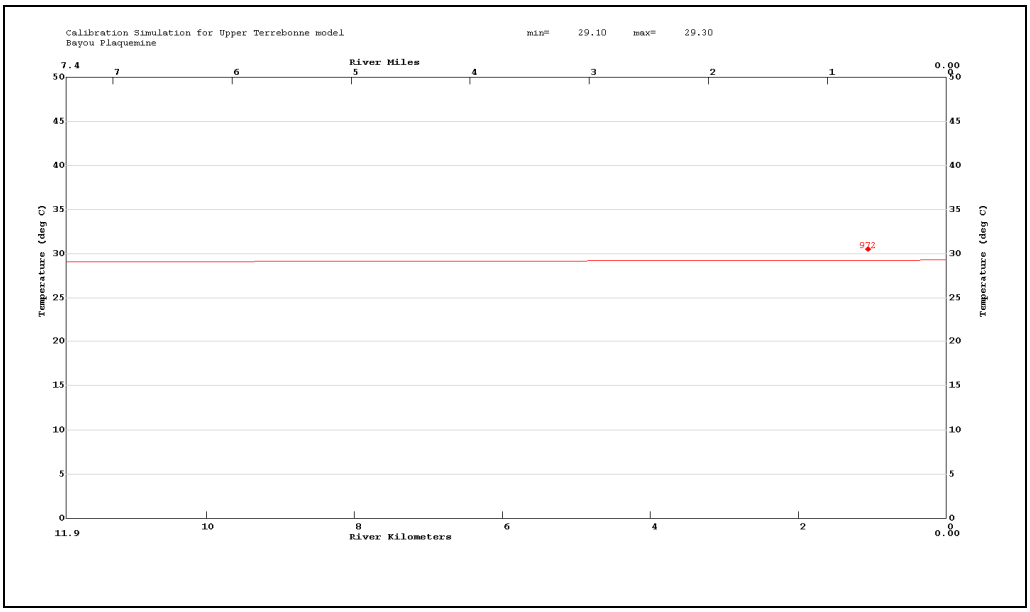

Figure E-13. Temperature calibration results for subsegment 120106

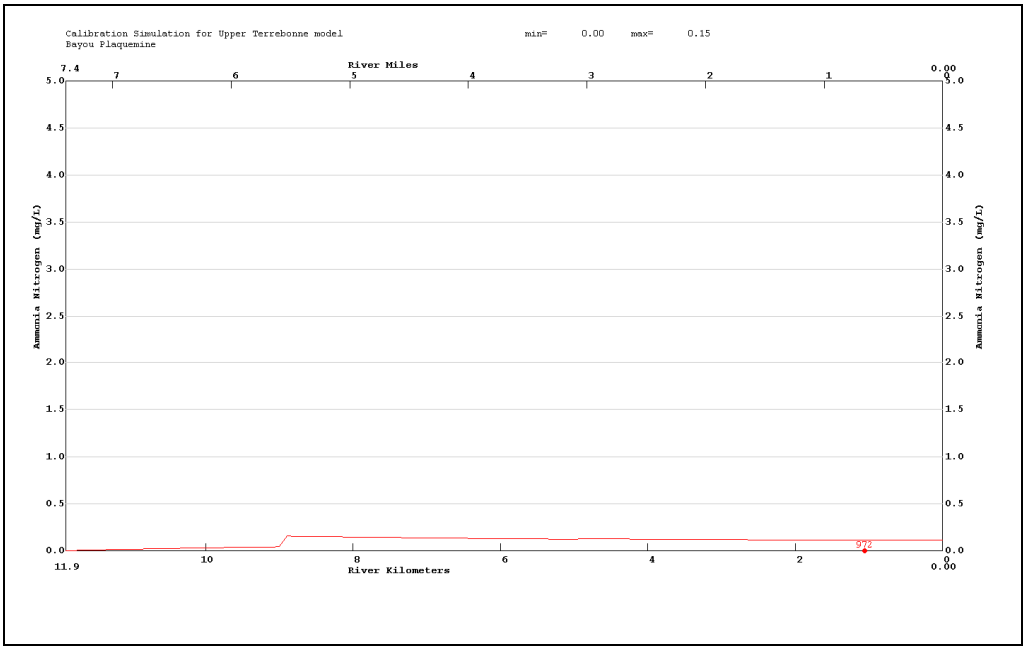

Figure E-14. Ammonia calibration results for subsegment 120106

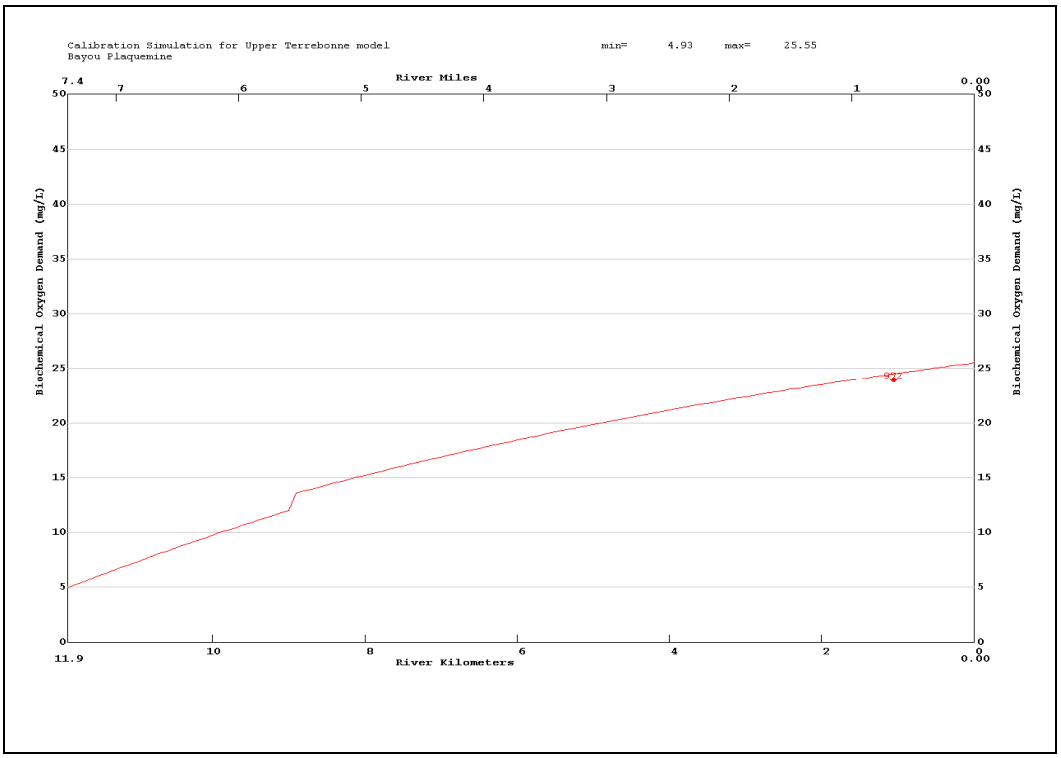

Figure E-15. BOD calibration results for subsegment 120106

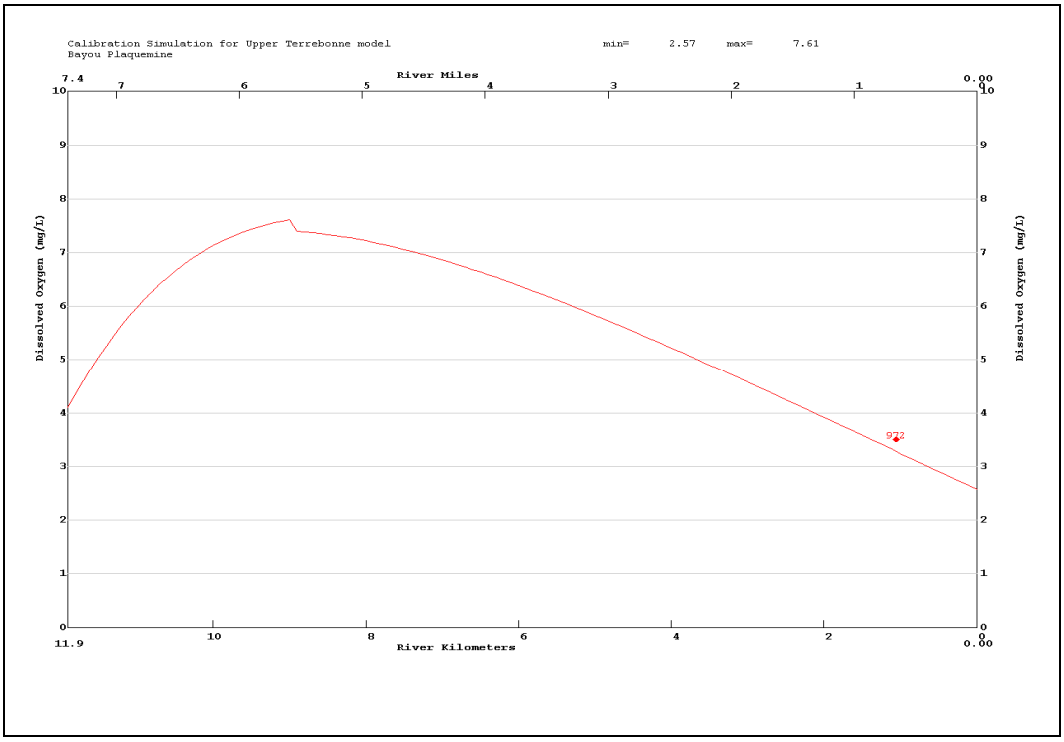

Figure E-16. DO calibration results for subsegment 120106

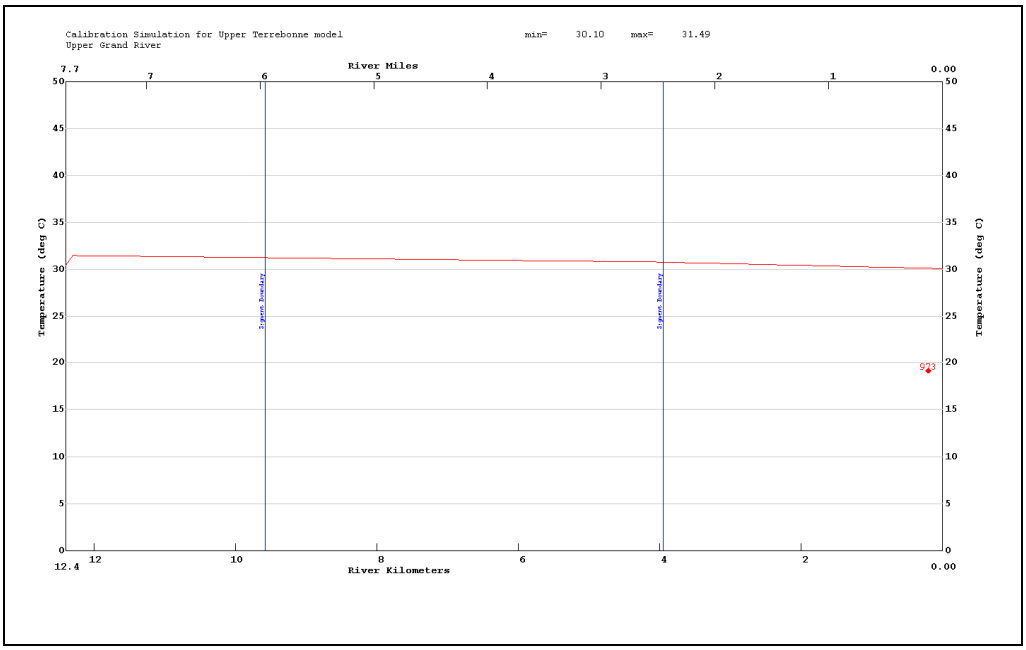

Figure E-17. Temperature calibration results for subsegment 120107

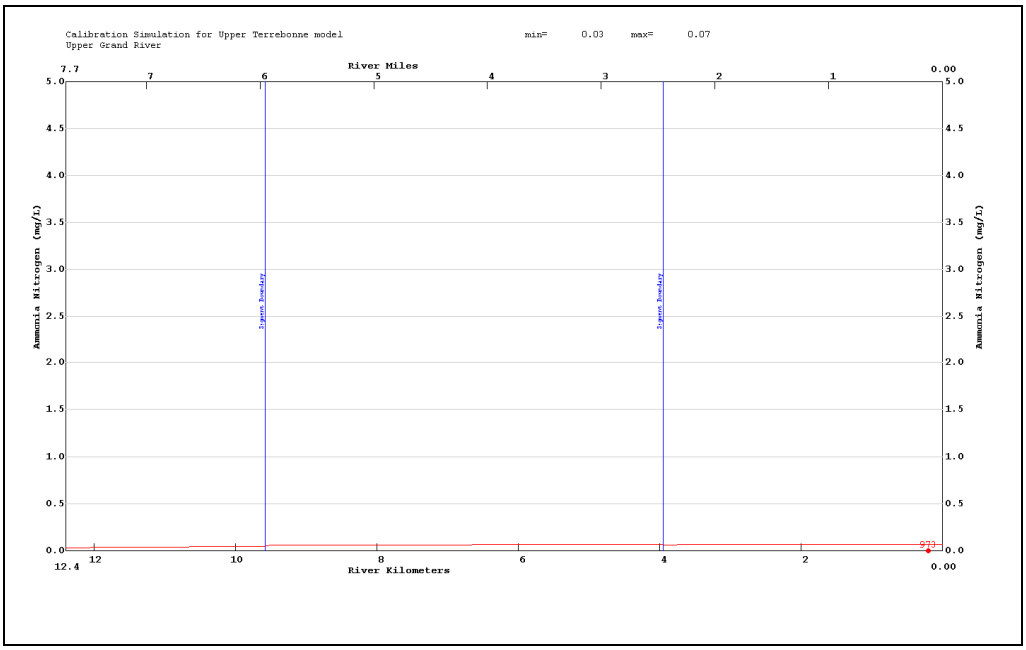

Figure E-18. Ammonia calibration results for subsegment 120107

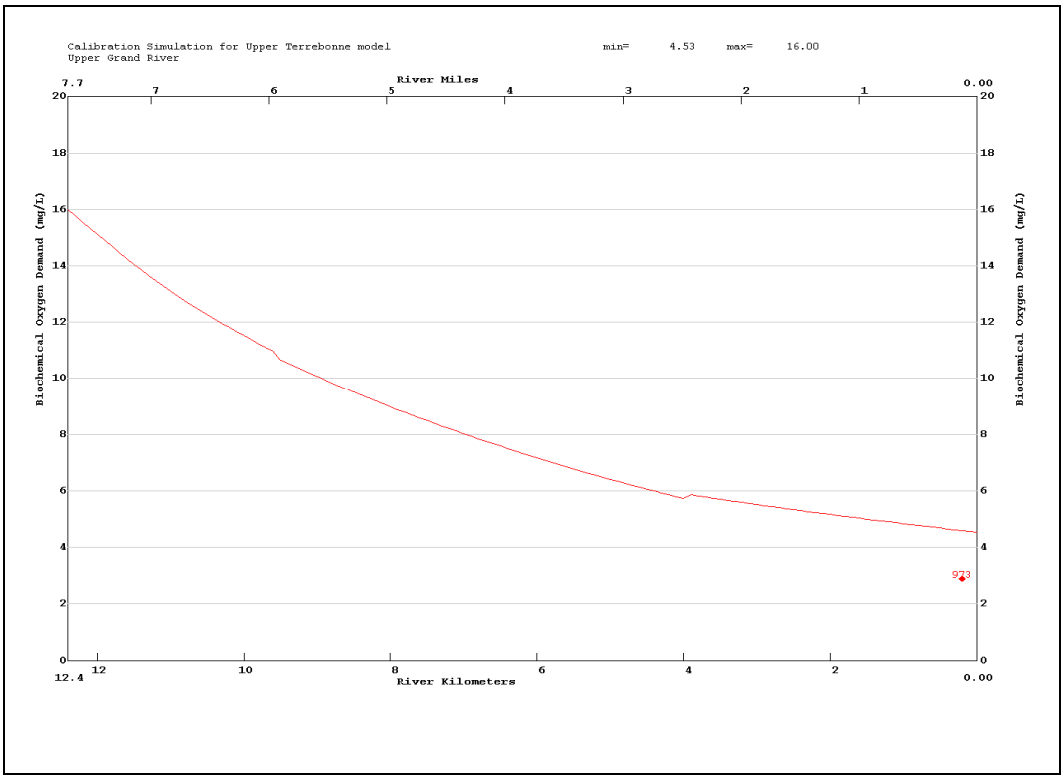

Figure E-19. BOD calibration results for subsegment 120107

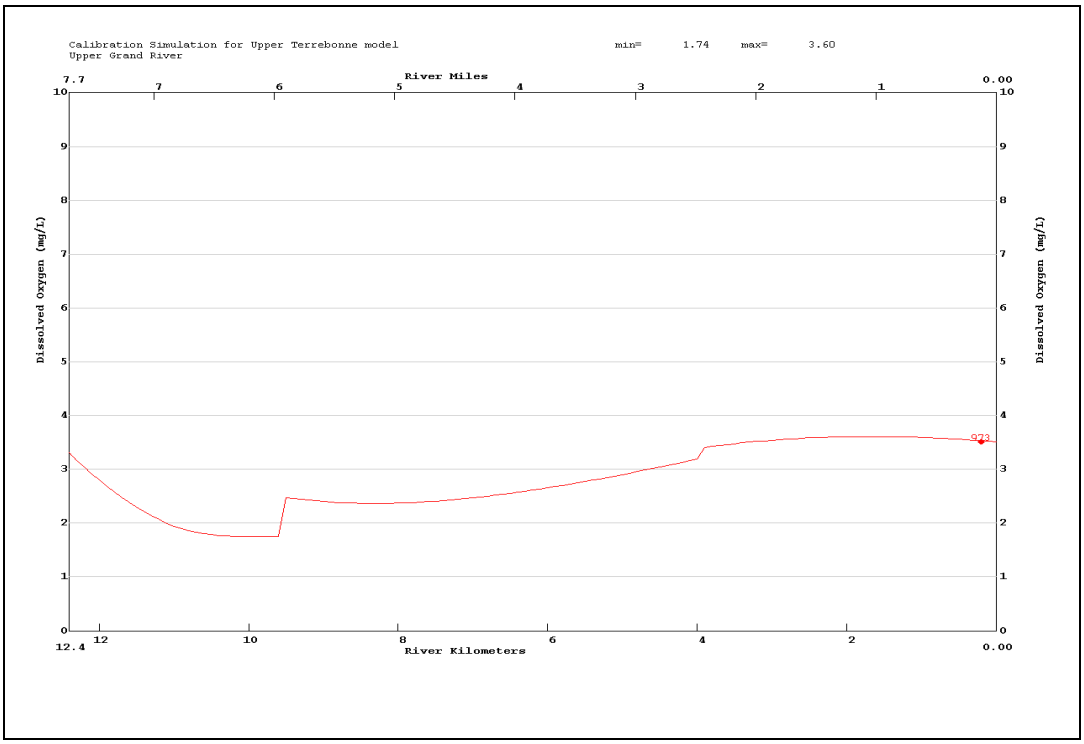

Figure E-20. DO calibration results for subsegment 120107

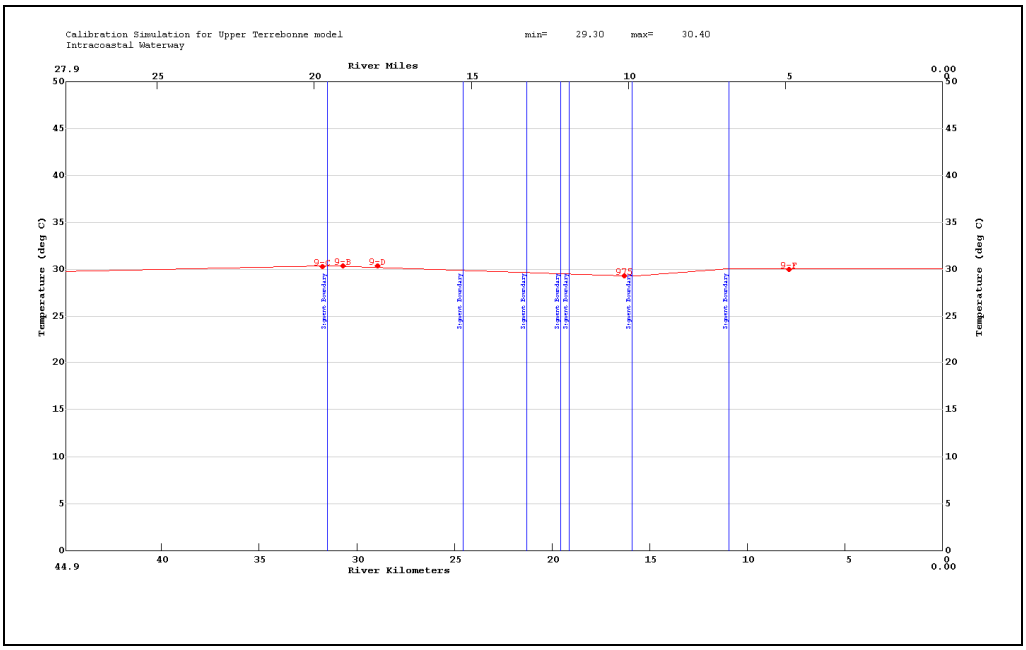

Figure E-21. Temperature calibration results for subsegment 120109

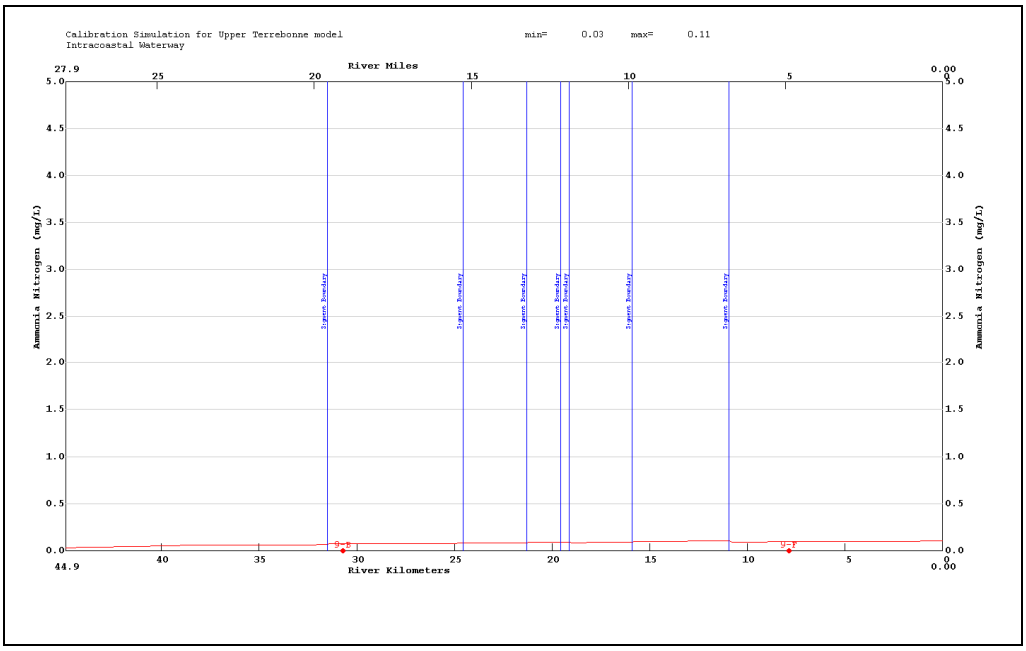

Figure E-22. Ammonia calibration results for subsegment 120109

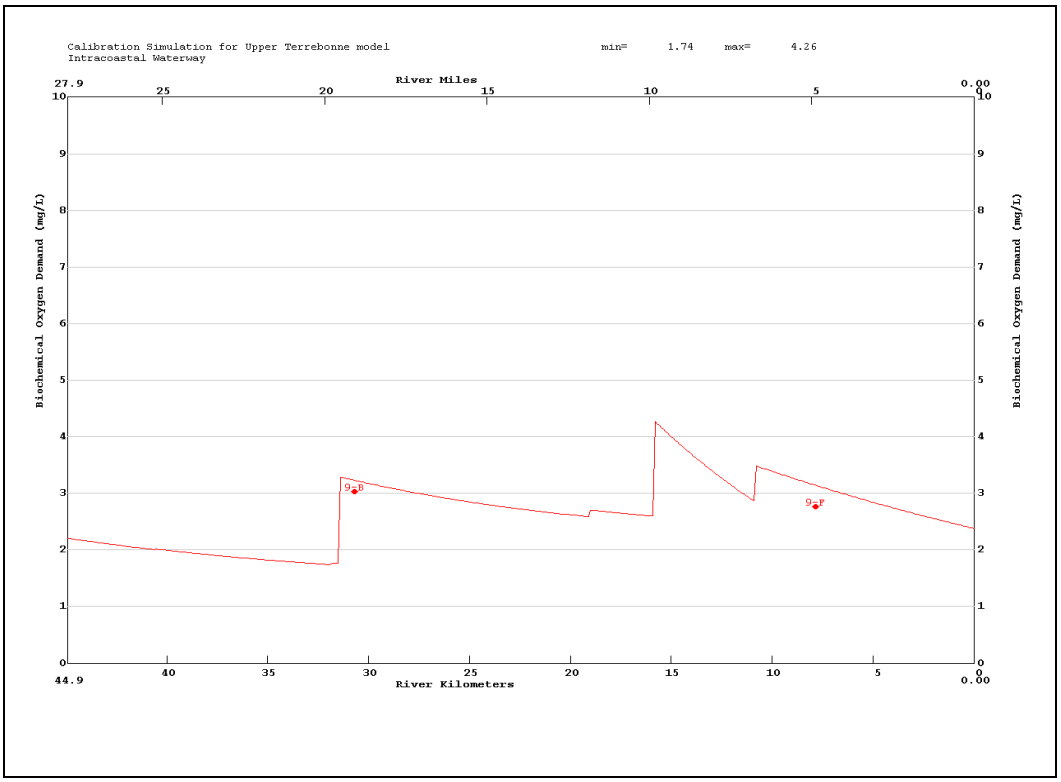

Figure 23. BOD calibration results for subsegment 120109

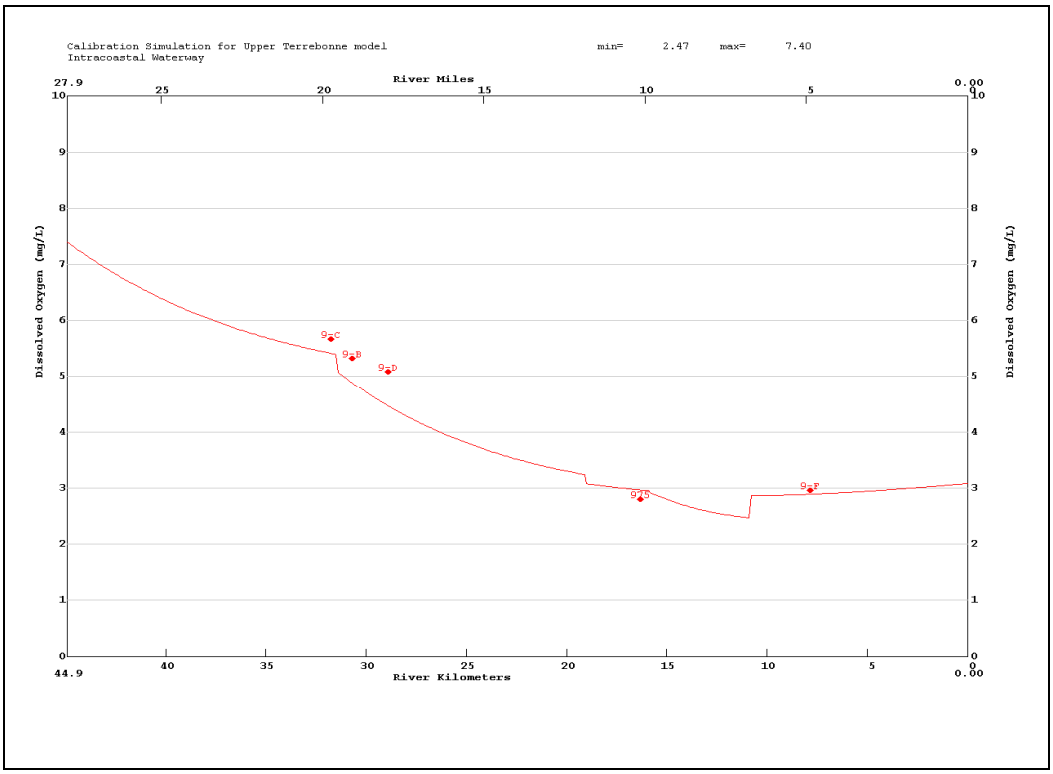

Figure E-24. DO calibration results for subsegment 120109

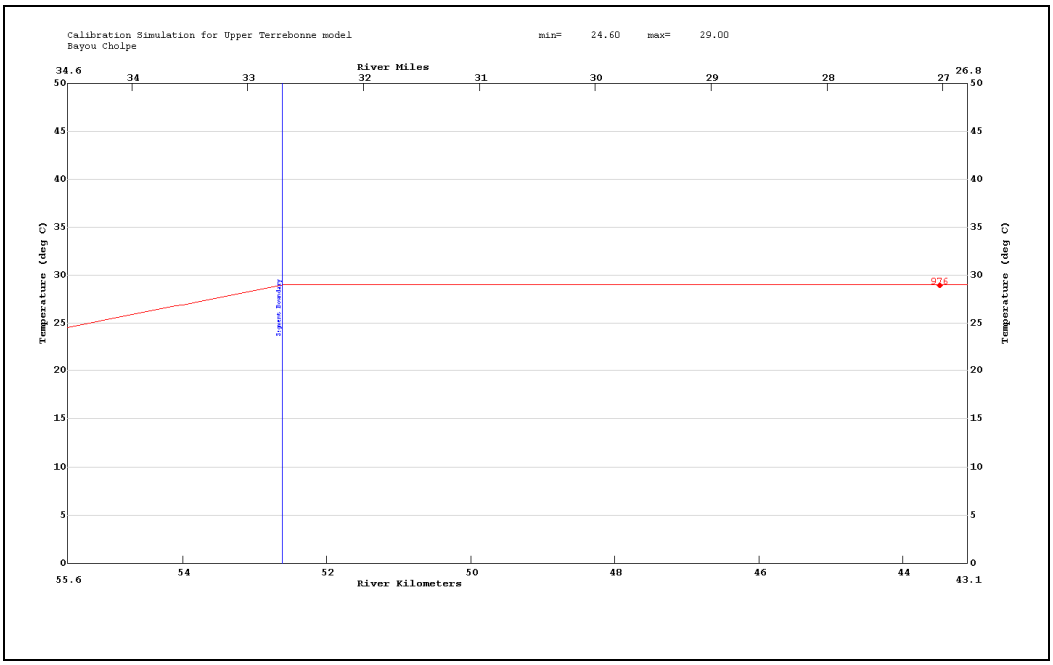

Figure E-25. Temperature calibration results for subsegment 120110

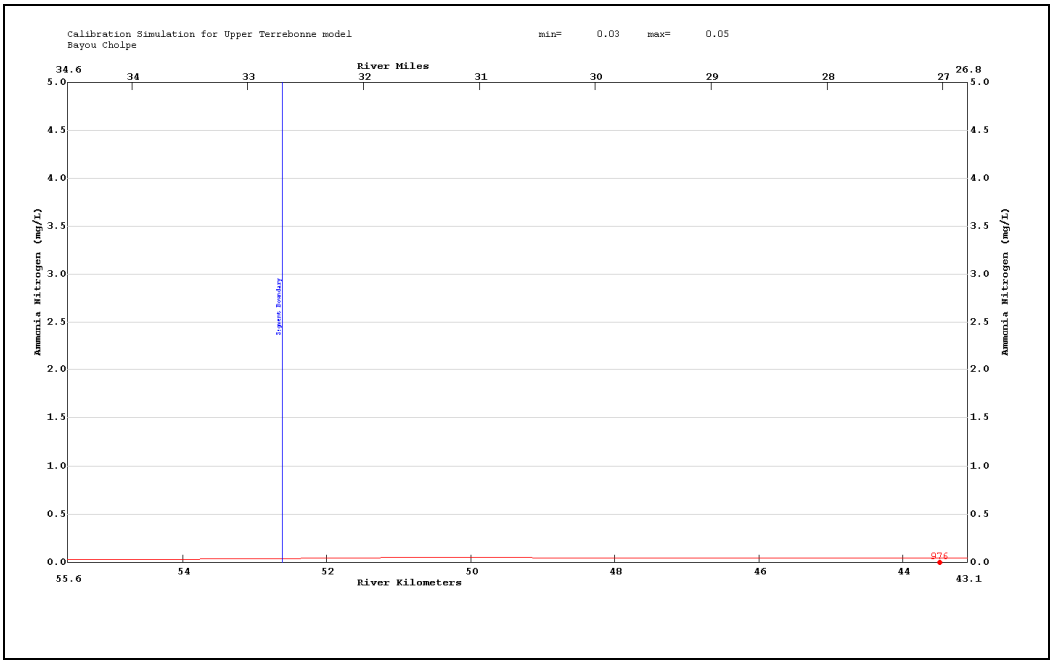

Figure E-26. Ammonia calibration results for subsegment 120110

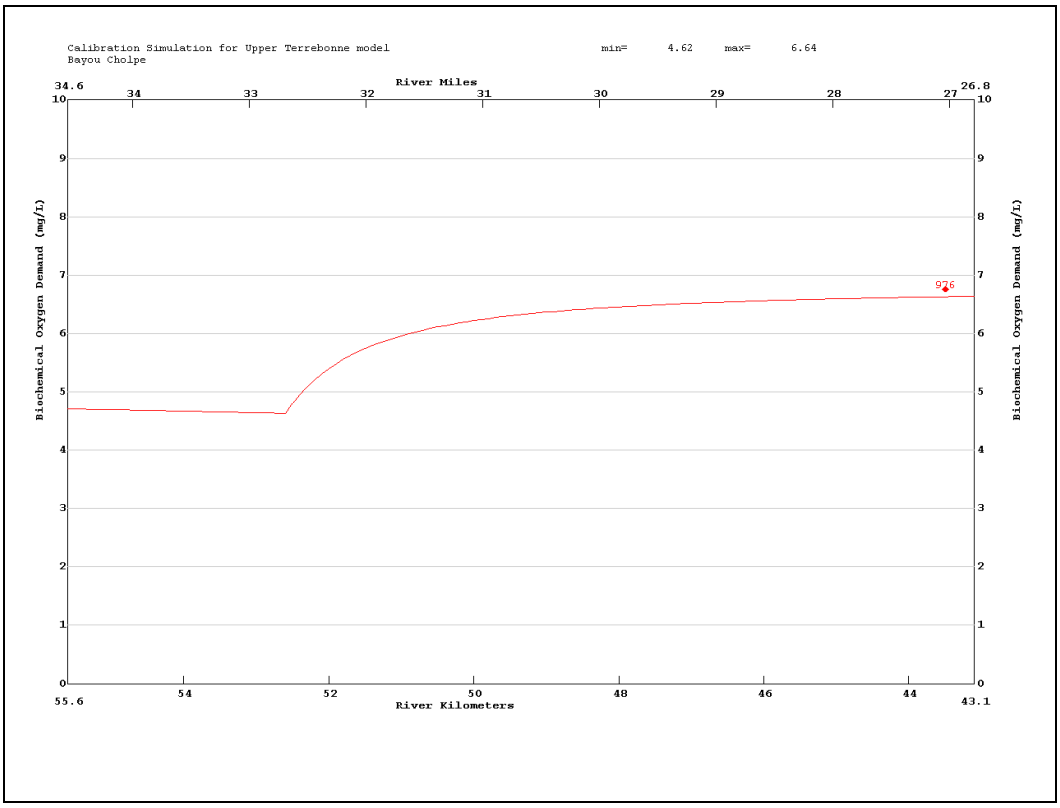

Figure E-27. BOD calibration results for subsegment 120110

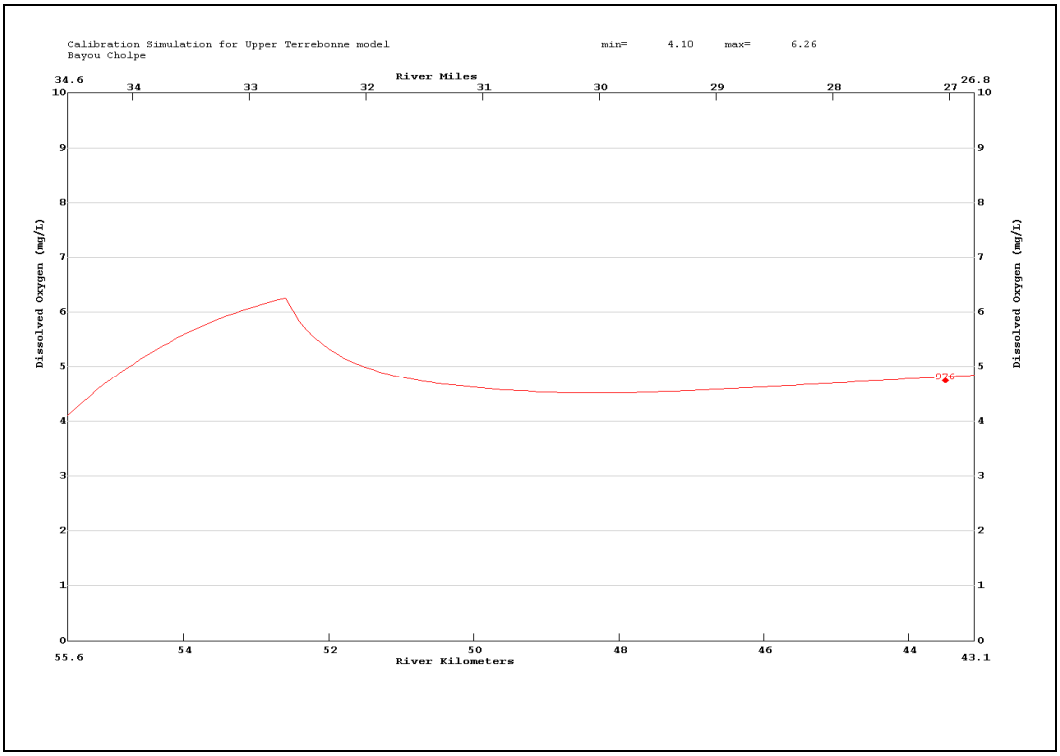

Figure E-28. DO calibration results for subsegment 120110

APPENDIX F:
MODEL OUTPUT FOR TMDL

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

Input file is C:\Will\Louisiana\Modeling\Upper_Terrebonne\model\Will\TMDL\Upper Terrebonne TMDL2_wha_sugarmill2.txt
Output produced at 13:44 on 10/17/2007

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

CARD TYPE      CONTROL TITLES

TITLE01        LA-QUAL Model for Upper Terrebonne
TITLE02        Calibration Simulation for Upper Terrebonne model
CONTROL   YES   METR
ENDATA01

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

CARD TYPE      MODEL OPTION

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

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

CARD TYPE      DESCRIPTION OF CONSTANT                    VALUE

PROGRAM        HYDRAULIC CALCULATION METHOD      =        2.00000 (widths and depths)
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$
```

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA05

$$$ DATA TYPE 6 (ALGAE CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

$$$ DATA TYPE 7 (MACROPHYTE CONSTANTS) $$$

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA07

$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$

CARD TYPE	REACH ID	NAME	BEGIN km		END km	ELEM REACH km	REACH REACH km	ELEMS NUM	BEGIN LENGTH NUM	END LENGTH NUM	PER RCH	ELEM	ELEM
REACH ID	1	B1 Bayou Cholpe #1	55.60	TO	52.60	0.1000	3.00	30	1	30			
REACH ID	2	B2 Bayou Cholpe #2	52.60	TO	43.10	0.1000	9.50	95	31	125			
REACH ID	3	P1 Bayou Poydras #1	10.30	TO	4.60	0.1000	5.70	57	126	182			
REACH ID	4	P2 Bayou Poydras #2	4.60	TO	0.00	0.1000	4.60	46	183	228			
REACH ID	5	CH Choctaw Bayou #1	43.10	TO	38.80	0.1000	4.30	43	229	271			
REACH ID	6	C1 Chamberlin Canal #1	7.50	TO	4.20	0.1000	3.30	33	272	304			
REACH ID	7	C2 Chamberlin Canal #2	4.20	TO	0.00	0.1000	4.20	42	305	346			
REACH ID	8	CW Choctaw Bayou #2	38.80	TO	31.50	0.1000	7.30	73	347	419			
REACH ID	9	I1 Intracoastal Waterway #1	13.40	TO	0.00	0.1000	13.40	134	420	553			
REACH ID	10	I2 Intracoastal Waterway #2	31.50	TO	15.90	0.1000	15.60	156	554	709			
REACH ID	11	BP Bayou Plaquemine	11.90	TO	0.00	0.1000	11.90	119	710	828			
REACH ID	12	I3 Intracoastal Waterway #3	15.90	TO	10.90	0.1000	5.00	50	829	878			
REACH ID	13	U1 Upper Grand River #1	12.40	TO	4.00	0.1000	8.40	84	879	962			
REACH ID	14	LF Lower Flat River	4.40	TO	0.00	0.1000	4.40	44	963	1006			
REACH ID	15	U2 Upper Grand River #2	4.00	TO	0.00	0.1000	4.00	40	1007	1046			
REACH ID	16	I4 Intracoastal Waterway #4	10.90	TO	0.00	0.1000	10.90	109	1047	1155			

ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE	REACH ID	WIDTH "A"	WIDTH "B"	WIDTH "C"	WIDTH "D"	DEPTH "E"	DEPTH "F"	DEPTH "N"	SLOPE	MANNINGS
HYDR-1	1 B1	0.000	0.000	1.000	0.000	0.000	0.250	0.00000	0.000	
HYDR-1	2 B2	0.000	0.000	10.000	0.000	0.000	1.000	0.00000	0.000	
HYDR-1	3 P1	0.000	0.000	4.000	0.000	0.000	0.300	0.00000	0.000	
HYDR-1	4 P2	0.000	0.000	8.000	0.000	0.000	0.600	0.00000	0.000	
HYDR-1	5 CH	0.000	0.000	34.000	0.000	0.000	2.400	0.00000	0.000	
HYDR-1	6 C1	0.000	0.000	2.000	0.000	0.000	0.100	0.00000	0.000	

```
HYDR-1     7  C2     0.000     0.000     5.000     0.000     0.000     0.300    0.00000  0.000
HYDR-1     8  CW     0.000     0.000    47.000     0.000     0.000     2.800    0.00000  0.000
HYDR-1     9  I1     0.000     0.000    76.000     0.000     0.000     3.000    0.00000  0.000
HYDR-1    10  I2     0.000     0.000    76.000     0.000     0.000     3.000    0.00000  0.000
HYDR-1    11  BP     0.000     0.000    30.000     0.000     0.000     1.100    0.00000  0.000
HYDR-1    12  I3     0.000     0.000    80.000     0.000     0.000     3.200    0.00000  0.000
HYDR-1    13  U1     0.000     0.000    88.000     0.000     0.000     1.100    0.00000  0.000
HYDR-1    14  LF     0.000     0.000    64.000     0.000     0.000     0.800    0.00000  0.000
HYDR-1    15  U2     0.000     0.000    62.000     0.000     0.000     1.300    0.00000  0.000
HYDR-1    16  I4     0.000     0.000    70.000     0.000     0.000     2.500    0.00000  0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID    TIDAL    DISPERSION    DISPERSION    DISPERSION    DISPERSION
                RANGE     "A"         "B"         "C"         "D"

ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE     REACH  ID      TEMP    SALIN      DO      NH3    NO3+2     PHOS    CHL A    MACRO

INITIAL        1  B1     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        2  B2     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        3  P1     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        4  P2     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        5  CH     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        6  C1     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        7  C2     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL        8  CW     30.00     0.00     5.00     0.20     0.00     0.00    66.00     0.00
INITIAL        9  I1     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL       10  I2     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL       11  BP     30.00     0.00     5.00     0.20     0.00     0.00    58.00     0.00
INITIAL       12  I3     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL       13  U1     30.00     0.00     5.00     0.20     0.00     0.00    32.00     0.00
INITIAL       14  LF     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
INITIAL       15  U2     30.00     0.00     5.00     0.20     0.00     0.00    38.00     0.00
INITIAL       16  I4     30.00     0.00     5.00     0.20     0.00     0.00     0.00     0.00
ENDATA11

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

COEFF-1   1  B1   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   2  B2   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   3  P1   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.100    0.000    0.000    0.000    0.000    0.000    0.000    0.000
```

```
COEFF-1   4  P2   3 OCONNER-DOBB    0.000    0.000    0.000    0.900    0.100    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   5  CH   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   6  C1   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   7  C2   3 OCONNER-DOBB    0.000    0.000    0.000    0.900    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   8  CW   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1   9  I1   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  10  I2   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.130    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  11  BP   3 OCONNER-DOBB    0.000    0.000    0.000    0.500    0.110    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  12  I3   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.200    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  13  U1   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  14  LF   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  15  U2   3 OCONNER-DOBB    0.000    0.000    0.000    1.000    0.300    0.000    0.000    0.000    0.000    0.000    0.000    0.000
COEFF-1  16  I4   3 OCONNER-DOBB    0.000    0.000    0.000    0.700    0.200    0.000    0.000    0.000    0.000    0.000    0.000    0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$

CARD TYPE     REACH  ID      ORG-N     ORG-N   ORGN CONV      NH3      NH3     PHOS     DENIT
                          DECA     SETT  TO NH3 SRCE    DECA     SRCE     SRCE     RATE

COEFF-2        1  B1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        2  B2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        3  P1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        4  P2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        5  CH     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        6  C1     0.010    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        7  C2     0.010    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        8  CW     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2        9  I1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       10  I2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       11  BP     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       12  I3     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       13  U1     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       14  LF     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       15  U2     0.020    0.000    0.000     0.200    0.000    0.000    0.000
COEFF-2       16  I4     0.020    0.000    0.000     0.200    0.000    0.000    0.000
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
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ENDATA15

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

CARD TYPE	REACH	ID	OUTFLOW	INFLOW	TEMP	SALIN	CM-I	CM-II	IN/DIST	OUT/DIST
INCR-1	1	B1	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	2	B2	0.00000	0.58470	30.00	0.00	0.00	0.00	0.06155	0.00000
INCR-1	3	P1	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	4	P2	0.00000	0.18880	30.00	0.00	0.00	0.00	0.04104	0.00000
INCR-1	5	CH	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	6	C1	0.00000	0.00150	30.00	0.00	0.00	0.00	0.00045	0.00000
INCR-1	7	C2	0.00000	0.00500	30.00	0.00	0.00	0.00	0.00119	0.00000
INCR-1	8	CW	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	9	I1	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	10	I2	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	11	BP	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	12	I3	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	13	U1	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	14	LF	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	15	U2	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000
INCR-1	16	I4	0.00000	0.00000	30.00	0.00	0.00	0.00	0.00000	0.00000

ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE	REACH	ID	DO	BOD	ORG-N	NH3-N	NO3-N	BOD#2
INCR-2	1	B1	5.00	6.16	0.99	0.00	0.00	0.00
INCR-2	2	B2	5.00	6.16	0.99	0.00	0.00	0.00
INCR-2	3	P1	5.00	12.16	0.90	0.00	0.32	0.00
INCR-2	4	P2	5.00	12.16	0.90	0.00	0.32	0.00
INCR-2	5	CH	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	6	C1	5.00	7.00	0.67	0.00	0.05	0.00
INCR-2	7	C2	5.00	7.00	0.67	0.00	0.05	0.00
INCR-2	8	CW	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	9	I1	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	10	I2	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	11	BP	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	12	I3	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	13	U1	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	14	LF	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	15	U2	5.00	0.00	0.00	0.00	0.00	0.00
INCR-2	16	I4	5.00	0.00	0.00	0.00	0.00	0.00

ENDATA17

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

CARD TYPE	REACH	ID	PHOS	CHL A	COLI	NCM

ENDATA18

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

CARD TYPE	REACH	ID	BOD#1	ORG-N	COLI	NCM	DO	BOD#2
NONPOINT	1	B1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	B2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	P1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	P2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	CH	262.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	C1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	C2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	CW	576.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	I1	225.00	35.00	0.00	0.00	0.00	0.00
NONPOINT	10	I2	350.00	150.00	0.00	0.00	0.00	0.00
NONPOINT	11	BP	375.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	12	I3	0.00	25.00	0.00	0.00	0.00	0.00
NONPOINT	13	U1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	14	LF	0.00	6.20	0.00	0.00	0.00	0.00
NONPOINT	15	U2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	16	I4	0.00	50.00	0.00	0.00	0.00	0.00

ENDATA19

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

CARD TYPE	ELEMENT	NAME	UNIT	FLOW	FLOW	TEMP	SALIN	CM-I	CM-II
			m^3/s	cfs	deg C	ppt			
HDWTR-1	1	Bayou Cholpe #1	0	0.09485	3.349	30.00	0.00	0.000	0.000	0.00
HDWTR-1	126	Bayou Poydras #1	0	0.06597	2.329	30.00	0.00	0.000	0.000	0.00
HDWTR-1	272	Chamberlin Canal #1	0	0.00050	0.018	30.00	0.00	0.000	0.000	0.00
HDWTR-1	420	Intracoastal Waterwa	0	7.53000	265.890	30.00	0.00	0.000	0.000	0.00
HDWTR-1	710	Bayou Plaquemine	0	0.77000	27.189	30.00	0.00	0.000	0.000	0.00
HDWTR-1	879	Upper Grand River #1	0	3.94000	139.124	30.00	0.00	0.000	0.000	0.00
HDWTR-1	963	Lower Flat River	0	1.97000	69.562	30.00	0.00	0.000	0.000	0.00

ENDATA20

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

CARD TYPE	ELEMENT	NAME	DO	BOD#1	ORG-N	NH3-N	NO3-N	BOD#2
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
HDWTR-2	1	Bayou Cholpe #1	5.00	3.11	1.59	0.03	1.50	0.00
HDWTR-2	126	Bayou Poydras #1	5.00	9.81	0.49	0.06	0.00	0.00
HDWTR-2	272	Chamberlin Canal #1	6.00	2.60	0.33	0.10	0.07	0.00
HDWTR-2	420	Intracoastal Waterwa	7.40	0.55	0.28	0.03	1.70	0.00
HDWTR-2	710	Bayou Plaquemine	5.00	0.74	0.24	0.00	1.60	0.00
HDWTR-2	879	Upper Grand River #1	5.00	6.40	0.56	0.03	1.60	0.00
HDWTR-2	963	Lower Flat River	5.50	4.80	0.56	0.03	0.00	0.00

ENDATA21

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

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

ENDATA22

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

CARD TYPE	JUNCTION ELEMENT	UPSTRM ELEMENT	RIVER KILOM	NAME
JUNCTION	229	125	43.10	Bayou Cholpe confluence with Bayou Poydrus
JUNCTION	347	271	38.80	Chactaw Bayou confluence with Chamberlin Canal
JUNCTION	554	419	31.50	Intracoastal Waterway confluence with Chactaw Bayou
JUNCTION	829	709	15.90	Intracoastal Waterway confluence with Bayou Plaquemine
JUNCTION	1007	962	4.00	Upper Grand River confluence with Lower Flat River
JUNCTION	1047	878	10.90	Intracoastal Waterway confluence with Upper Grand River

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m^3/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I	CM-II
WSTLD-1	126	10.30	LA0003034	1.31438	46.41172	30.001	30.00	0.00	0.000	0.000
WSTLD-1	148	8.10	LAG540069	0.00013	0.00459	0.003	30.00	0.00	0.000	0.000
WSTLD-1	151	7.80	LAG531697	0.00003	0.00106	0.001	30.00	0.00	0.000	0.000
WSTLD-1	158	7.10	LAG540858	0.00028	0.00989	0.006	30.00	0.00	0.000	0.000
WSTLD-1	159	7.00	LAG531903	0.00000	0.00000	0.000	30.00	0.00	0.000	0.000
WSTLD-1	164	6.50	LAG531990	0.00007	0.00247	0.002	30.00	0.00	0.000	0.000
WSTLD-1	186	4.30	LAG540898	0.00175	0.06179	0.040	30.00	0.00	0.000	0.000
WSTLD-1	187	4.20	LAG540785	0.00053	0.01871	0.012	30.00	0.00	0.000	0.000
WSTLD-1	230	43.00	Stumpy Bayou	0.37939	13.39654	8.660	30.00	0.00	0.000	0.000
WSTLD-1	271	38.90	LAG530786	0.00022	0.00777	0.005	30.00	0.00	0.000	0.000
WSTLD-1	296	5.10	LA0121185	0.00000	0.00000	0.000	30.00	0.00	0.000	0.000
WSTLD-1	305	4.20	LAG540783	0.00215	0.07592	0.049	30.00	0.00	0.000	0.000
WSTLD-1	366	36.90	Unknown Trib #1	0.23500	8.29802	5.364	30.00	0.00	0.000	0.000
WSTLD-1	367	36.80	PS 120103	0.01882	0.66455	0.430	30.00	0.00	0.000	0.000
WSTLD-1	428	12.60	PS 120109#2	0.00105	0.03708	0.024	30.00	0.00	0.000	0.000
WSTLD-1	456	9.80	LAG560237	0.00031	0.01095	0.007	30.00	0.00	0.000	0.000
WSTLD-1	463	9.10	LA0068501	0.01314	0.46398	0.300	30.00	0.00	0.000	0.000
WSTLD-1	550	0.40	PS 120109#1	0.01936	0.68362	0.442	30.00	0.00	0.000	0.000
WSTLD-1	566	30.30	LAG531616	0.00001	0.00035	0.000	30.00	0.00	0.000	0.000
WSTLD-1	623	24.60	Unknown Trib #2	0.00010	0.00353	0.002	30.00	0.00	0.000	0.000
WSTLD-1	656	21.30	Unknown Trib #3	0.00010	0.00353	0.002	30.00	0.00	0.000	0.000
WSTLD-1	666	20.30	PS 120109#3	0.00455	0.16066	0.104	30.00	0.00	0.000	0.000
WSTLD-1	674	19.50	Unknown Trib #4	0.00010	0.00353	0.002	30.00	0.00	0.000	0.000

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WSTLD-1    678    19.10  Bayou Grosse Tete #2   1.35901   47.98764   31.020   30.00    0.00    0.000    0.000
WSTLD-1    703    16.60  LAG531362              0.00004    0.00141    0.001   30.00    0.00    0.000    0.000
WSTLD-1    739     9.00  LA0020648              0.06572    2.32062    1.500   30.00    0.00    0.000    0.000
WSTLD-1    779     5.00  LAG570359              0.00285    0.10064    0.065   30.00    0.00    0.000    0.000
WSTLD-1    782     4.70  LAG540102              0.00105    0.03708    0.024   30.00    0.00    0.000    0.000
WSTLD-1    785     4.40  LAG531065              0.00022    0.00777    0.005   30.00    0.00    0.000    0.000
WSTLD-1    796     3.30  LAG540784              0.00011    0.00388    0.003   30.00    0.00    0.000    0.000
WSTLD-1    907     9.60  Superior Canal         0.96829   34.19103   22.102   30.00    0.00    0.000    0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                % BOD                  %
CARD TYPE    ELEMENT   NAME                 DO      BOD     RMVL    ORG-N    NH3-N   NITRIF    NO3-N    BOD#2
                                     mg/L    mg/L            mg/L    mg/L            mg/L     mg/L

WSTLD-2      126       LA0003034            5.00     5.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      148       LAG540069            5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      151       LAG531697            5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      158       LAG540858            5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      159       LAG531903            5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      164       LAG531990            5.00    45.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      186       LAG540898            5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      187       LAG540785            5.00    30.00     0.00     1.50     1.50     0.00     2.00     0.00
WSTLD-2      230       Stumpy Bayou         5.00     3.20     0.00     0.30     0.10     0.00     1.00     0.00
WSTLD-2      271       LAG530786            5.00    30.00     0.00     0.30     1.50     0.00     2.00     0.00
WSTLD-2      296       LA0121185            5.00    30.00     0.00     0.30     1.50     0.00     2.00     0.00
WSTLD-2      305       LAG540783            6.00    10.00     0.00     2.00     1.50     0.00     0.50     0.00
WSTLD-2      366       Unknown Trib #1      5.00     1.40     0.00     0.50     1.50     0.00     0.10     0.00
WSTLD-2      367       PS 120103            5.00    27.70     0.00     1.50     1.50     0.00     0.10     0.00
WSTLD-2      428       PS 120109#2          5.00    30.90     0.00     0.30     1.50     0.00    10.00     0.00
WSTLD-2      456       LAG560237            5.00    20.00     0.00     0.30     1.50     0.00     1.70     0.00
WSTLD-2      463       LA0068501            5.00    10.00     0.00     0.30     4.00     0.00    10.00     0.00
WSTLD-2      550       PS 120109#1          5.00    14.80     0.00     0.30     3.50     0.00    10.00     0.00
WSTLD-2      566       LAG531616            5.00    45.00     0.00     0.30     1.50     0.00    10.00     0.00
WSTLD-2      623       Unknown Trib #2      6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      656       Unknown Trib #3      6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      666       PS 120109#3          5.00    15.20     0.00     0.30     1.50     0.00    10.00     0.00
WSTLD-2      674       Unknown Trib #4      6.30     3.00     0.00     1.20     0.10     0.00     1.50     0.00
WSTLD-2      678       Bayou Grosse Tete #2 5.00     1.60     0.00     0.50     0.03     0.00     0.00     0.00
WSTLD-2      703       LAG531362            5.00    45.00     0.00     0.30     1.50     0.00     1.70     0.00
WSTLD-2      739       LA0020648            5.00    10.00     0.00     0.20     2.00     0.00     1.60     0.00
WSTLD-2      779       LAG570359            5.00    10.00     0.00     0.20     1.50     0.00     1.60     0.00
WSTLD-2      782       LAG540102            5.00    30.00     0.00     0.20     1.50     0.00     1.60     0.00
WSTLD-2      785       LAG531065            5.00    45.00     0.00     0.20     1.50     0.00     1.60     0.00
WSTLD-2      796       LAG540784            5.00    30.00     0.00     0.20     1.50     0.00     1.60     0.00
WSTLD-2      907       Superior Canal       5.50     4.00     0.00     0.60     0.10     0.00     0.00     0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$
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CARD TYPE    ELEMENT   NAME                PHOS    CHL A    COLI     NCM
                                   mg/L    mg/L    mg/L    mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE   CONSTITUENT                CONCENTRATION

ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE    ELEMENT   NAME             EQN     "A"     "B"     "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE      PARAMETER    COL 1    COL 2    COL 3    COL 4    COL 5    COL 6    COL 7    COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$


NUMBER OF PLOTS =  8
NUMBER OF REACHES IN PLOT 1 =   2
PLOT RCH  3  4
NUMBER OF REACHES IN PLOT 2 =   2
PLOT RCH  1  2
NUMBER OF REACHES IN PLOT 3 =   2
PLOT RCH  5  8
NUMBER OF REACHES IN PLOT 4 =   2
PLOT RCH  6  7
NUMBER OF REACHES IN PLOT 5 =   4
PLOT RCH  9 10 12 16
NUMBER OF REACHES IN PLOT 6 =   1
PLOT RCH 11
NUMBER OF REACHES IN PLOT 7 =   2
PLOT RCH 13 15
NUMBER OF REACHES IN PLOT 8 =   1
PLOT RCH 14
ENDATA30

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


OVERLAY 1 bayou poydras TMDL.OVL         :Bayou Poydras
OVERLAY 2 bayou cholpe TMDL.OVL          :Bayou Cholpe
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OVERLAY 3 choctaw bayou TMDL.OVL          :Choctaw Bayou
OVERLAY 4 chamberlin canal TMDL.OVL       :Chamberlin Canal
OVERLAY 5 icwTMDL.OVL                     :Intracoastal Waterway
OVERLAY 6 bayou plaquemine TMDL.OVL       :Bayou Plaquemine
OVERLAY 7 upper grand river TMDL.OVL      :Upper Grand River
OVERLAY 8 lower flat river TMDL.OVL       :Lower Flat River
ENDATA31

    .....NO ERRORS DETECTED IN INPUT DATA
    .....HYDRAULIC CALCULATIONS COMPLETED
    .....TRIDIAGONAL MATRIX TERMS INITIALIZED
    .....OXYGEN DEPENDENT RATES CONVERGENT IN   7 ITERATIONS
    .....CONSTITUENT CALCULATIONS COMPLETED
***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
    .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
    .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
    .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
    .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14
    .....GRAPHICS DATA FOR PLOT 5 WRITTEN TO UNIT 15
    .....GRAPHICS DATA FOR PLOT 6 WRITTEN TO UNIT 16
    .....GRAPHICS DATA FOR PLOT 7 WRITTEN TO UNIT 17
    .....GRAPHICS DATA FOR PLOT 8 WRITTEN TO UNIT 18

INTERMEDIATE REPORT
 Dissolved Oxygen                          LA-QUAL Model for Upper Terrebonne
   mg/L                                    Calibration Simulation for Upper Terrebonne model
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ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	5.07	5.14	5.21	5.28	5.34	5.40	5.46	5.52	5.57	5.62
B1	1	11	5.68	5.72	5.77	5.82	5.86	5.90	5.95	5.99	6.02	6.06
B1	1	21	6.10	6.13	6.16	6.19	6.23	6.26	6.28	6.31	6.34	6.36
B2	2	31	6.18	6.03	5.91	5.80	5.71	5.64	5.57	5.51	5.46	5.42
B2	2	41	5.38	5.35	5.32	5.29	5.26	5.24	5.22	5.20	5.19	5.17
B2	2	51	5.16	5.14	5.13	5.12	5.11	5.10	5.09	5.09	5.08	5.07
B2	2	61	5.07	5.06	5.05	5.05	5.04	5.04	5.03	5.03	5.03	5.03
B2	2	71	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.04	5.04	5.04
B2	2	81	5.05	5.05	5.06	5.06	5.07	5.07	5.08	5.08	5.09	5.09
B2	2	91	5.10	5.10	5.11	5.11	5.12	5.13	5.13	5.14	5.14	5.15
B2	2	101	5.16	5.16	5.17	5.18	5.18	5.19	5.19	5.20	5.21	5.21
B2	2	111	5.22	5.23	5.23	5.24	5.25	5.25	5.26	5.26	5.27	5.28
B2	2	121	5.28	5.29	5.29	5.30	5.31					
CH	5	229	5.81	5.62	5.56	5.50	5.44	5.40	5.35	5.32	5.28	5.26
CH	5	239	5.24	5.22	5.21	5.20	5.20	5.20	5.21	5.22	5.24	5.26
CH	5	249	5.29	5.32	5.36	5.39	5.44	5.49	5.54	5.59	5.65	5.72
CH	5	259	5.78	5.86	5.93	6.01	6.09	6.18	6.27	6.36	6.46	6.56
CH	5	269	6.66	6.77	6.88							
CW	8	347	7.06	7.22	7.39	7.54	7.70	7.84	7.98	8.11	8.24	8.37
CW	8	357	8.49	8.60	8.71	8.81	8.91	9.00	9.09	9.17	9.25	8.97

CW	8	367	9.00	9.05	9.11	9.15	9.20	9.24	9.28	9.31	9.34	9.37
CW	8	377	9.39	9.41	9.42	9.44	9.45	9.45	9.46	9.46	9.45	9.45
CW	8	387	9.44	9.42	9.41	9.39	9.37	9.34	9.32	9.29	9.25	9.22
CW	8	397	9.18	9.14	9.09	9.05	9.00	8.95	8.89	8.84	8.78	8.72
CW	8	407	8.65	8.59	8.52	8.45	8.37	8.30	8.22	8.14	8.06	7.97
CW	8	417	7.89	7.80	7.71							
I2	10	554	6.68	6.66	6.65	6.63	6.61	6.59	6.57	6.55	6.53	6.51
I2	10	564	6.49	6.47	6.46	6.44	6.42	6.40	6.39	6.37	6.35	6.34
I2	10	574	6.32	6.30	6.29	6.27	6.25	6.24	6.22	6.21	6.19	6.17
I2	10	584	6.16	6.14	6.13	6.11	6.10	6.09	6.07	6.06	6.04	6.03
I2	10	594	6.01	6.00	5.99	5.97	5.96	5.95	5.93	5.92	5.91	5.90
I2	10	604	5.88	5.87	5.86	5.85	5.83	5.82	5.81	5.80	5.79	5.77
I2	10	614	5.76	5.75	5.74	5.73	5.72	5.71	5.70	5.69	5.67	5.66
I2	10	624	5.65	5.64	5.63	5.62	5.61	5.60	5.59	5.58	5.57	5.56
I2	10	634	5.55	5.55	5.54	5.53	5.52	5.51	5.50	5.49	5.48	5.47
I2	10	644	5.46	5.46	5.45	5.44	5.43	5.42	5.41	5.41	5.40	5.39
I2	10	654	5.38	5.37	5.37	5.36	5.35	5.34	5.34	5.33	5.32	5.32
I2	10	664	5.31	5.30	5.29	5.29	5.28	5.27	5.27	5.26	5.25	5.25
I2	10	674	5.24	5.23	5.23	5.22	5.19	5.18	5.18	5.17	5.17	5.16
I2	10	684	5.16	5.15	5.15	5.14	5.14	5.13	5.13	5.12	5.12	5.11
I2	10	694	5.11	5.10	5.10	5.09	5.09	5.08	5.08	5.07	5.07	5.06
I2	10	704	5.06	5.06	5.05	5.05	5.04	5.04				
I3	12	829	5.15	5.14	5.14	5.13	5.13	5.12	5.12	5.12	5.11	5.11
I3	12	839	5.10	5.10	5.09	5.09	5.09	5.08	5.08	5.07	5.07	5.07
I3	12	849	5.06	5.06	5.06	5.05	5.05	5.05	5.05	5.04	5.04	5.04
I3	12	859	5.03	5.03	5.03	5.03	5.02	5.02	5.02	5.02	5.02	5.01
I3	12	869	5.01	5.01	5.01	5.01	5.00	5.00	5.00	5.00	5.00	5.00
I4	16	1047	5.48	5.48	5.48	5.47	5.47	5.47	5.47	5.47	5.47	5.47
I4	16	1057	5.46	5.46	5.46	5.46	5.46	5.46	5.46	5.46	5.46	5.45
I4	16	1067	5.45	5.45	5.45	5.45	5.45	5.45	5.45	5.45	5.45	5.44
I4	16	1077	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44
I4	16	1087	5.44	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43
I4	16	1097	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.42	5.42	5.42
I4	16	1107	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
I4	16	1117	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
I4	16	1127	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.41	5.41
I4	16	1137	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41
I4	16	1147	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	5.41	
P1	3	126	5.02	5.04	5.06	5.08	5.10	5.12	5.14	5.16	5.18	5.20
P1	3	136	5.22	5.24	5.25	5.27	5.29	5.31	5.33	5.34	5.36	5.38
P1	3	146	5.39	5.41	5.43	5.44	5.46	5.47	5.49	5.50	5.52	5.53
P1	3	156	5.55	5.56	5.58	5.59	5.60	5.62	5.63	5.65	5.66	5.67
P1	3	166	5.68	5.70	5.71	5.72	5.74	5.75	5.76	5.77	5.78	5.79
P1	3	176	5.81	5.82	5.83	5.84	5.85	5.86	5.87			
P2	4	183	5.88	5.89	5.90	5.91	5.92	5.93	5.93	5.94	5.95	5.96
P2	4	193	5.97	5.97	5.98	5.99	6.00	6.00	6.01	6.02	6.02	6.03
P2	4	203	6.04	6.04	6.05	6.06	6.06	6.07	6.08	6.08	6.09	6.09
P2	4	213	6.10	6.11	6.11	6.12	6.12	6.13	6.13	6.14	6.14	6.15
P2	4	223	6.15	6.16	6.16	6.17	6.17	6.18				
C1	6	272	5.39	5.27	5.25	5.31	5.37	5.43	5.49	5.55	5.60	5.64

C1	6	282	5.69	5.73	5.77	5.80	5.84	5.87	5.90	5.92	5.92	5.92
C1	6	292	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92
C1	6	302	5.92	5.92	5.92							
C2	7	305	5.29	5.06	5.02	5.06	5.13	5.22	5.30	5.38	5.45	5.52
C2	7	315	5.59	5.66	5.72	5.78	5.84	5.90	5.95	6.01	6.06	6.11
C2	7	325	6.16	6.21	6.26	6.31	6.35	6.40	6.45	6.49	6.54	6.59
C2	7	335	6.63	6.68	6.72	6.77	6.81	6.85	6.90	6.94	6.99	7.03
C2	7	345	7.07	7.12								
I1	9	420	7.38	7.37	7.35	7.34	7.33	7.31	7.30	7.28	7.27	7.26
I1	9	430	7.24	7.23	7.22	7.20	7.19	7.18	7.16	7.15	7.14	7.13
I1	9	440	7.11	7.10	7.09	7.08	7.07	7.06	7.04	7.03	7.02	7.01
I1	9	450	7.00	6.99	6.98	6.97	6.96	6.95	6.94	6.93	6.92	6.91
I1	9	460	6.90	6.89	6.88	6.87	6.86	6.85	6.84	6.83	6.82	6.81
I1	9	470	6.80	6.79	6.78	6.77	6.77	6.76	6.75	6.74	6.73	6.72
I1	9	480	6.72	6.71	6.70	6.69	6.68	6.68	6.67	6.66	6.65	6.65
I1	9	490	6.64	6.63	6.63	6.62	6.61	6.61	6.60	6.59	6.59	6.58
I1	9	500	6.57	6.57	6.56	6.56	6.55	6.54	6.54	6.53	6.53	6.52
I1	9	510	6.51	6.51	6.50	6.50	6.49	6.49	6.48	6.48	6.47	6.47
I1	9	520	6.46	6.46	6.45	6.45	6.44	6.44	6.43	6.43	6.42	6.42
I1	9	530	6.42	6.41	6.41	6.40	6.40	6.39	6.39	6.39	6.38	6.38
I1	9	540	6.37	6.37	6.37	6.36	6.36	6.36	6.35	6.35	6.34	6.34
I1	9	550	6.33	6.33	6.32	6.32						
BP	11	710	5.26	5.52	5.76	5.99	6.20	6.41	6.61	6.80	6.98	7.15
BP	11	720	7.32	7.47	7.62	7.76	7.89	8.02	8.14	8.25	8.35	8.45
BP	11	730	8.55	8.64	8.72	8.80	8.87	8.94	9.00	9.06	9.12	8.83
BP	11	740	8.87	8.90	8.93	8.96	8.99	9.01	9.03	9.05	9.07	9.08
BP	11	750	9.09	9.10	9.11	9.12	9.12	9.12	9.12	9.12	9.12	9.11
BP	11	760	9.11	9.10	9.09	9.08	9.07	9.06	9.04	9.03	9.01	8.99
BP	11	770	8.97	8.95	8.93	8.91	8.89	8.86	8.84	8.81	8.78	8.74
BP	11	780	8.72	8.69	8.65	8.62	8.59	8.56	8.52	8.49	8.46	8.42
BP	11	790	8.39	8.35	8.32	8.28	8.24	8.20	8.17	8.13	8.09	8.05
BP	11	800	8.01	7.97	7.93	7.89	7.85	7.80	7.76	7.72	7.68	7.64
BP	11	810	7.59	7.55	7.51	7.46	7.42	7.37	7.33	7.28	7.24	7.19
BP	11	820	7.15	7.10	7.06	7.01	6.96	6.92	6.87	6.82	6.78	
U1	13	879	5.00	5.00	5.00	5.00	5.00	5.00	5.01	5.01	5.02	5.03
U1	13	889	5.03	5.04	5.05	5.07	5.08	5.09	5.10	5.12	5.13	5.15
U1	13	899	5.17	5.18	5.20	5.22	5.24	5.26	5.28	5.30	5.36	5.38
U1	13	909	5.40	5.42	5.44	5.46	5.49	5.51	5.53	5.55	5.57	5.60
U1	13	919	5.62	5.64	5.67	5.69	5.71	5.73	5.76	5.78	5.80	5.83
U1	13	929	5.85	5.87	5.90	5.92	5.94	5.97	5.99	6.01	6.04	6.06
U1	13	939	6.08	6.11	6.13	6.15	6.18	6.20	6.22	6.25	6.27	6.29
U1	13	949	6.31	6.34	6.36	6.38	6.41	6.43	6.45	6.48	6.50	6.52
U1	13	959	6.54	6.57	6.59	6.61						
U2	15	1007	6.43	6.45	6.46	6.48	6.49	6.50	6.51	6.52	6.53	6.54
U2	15	1017	6.55	6.56	6.56	6.57	6.57	6.57	6.57	6.57	6.57	6.57
U2	15	1027	6.57	6.57	6.56	6.56	6.55	6.54	6.54	6.53	6.52	6.51
U2	15	1037	6.50	6.49	6.48	6.46	6.45	6.43	6.42	6.40	6.39	6.37
LF	14	963	5.44	5.39	5.35	5.31	5.27	5.24	5.21	5.19	5.17	5.15
LF	14	973	5.13	5.12	5.12	5.11	5.11	5.11	5.12	5.12	5.13	5.14
LF	14	983	5.16	5.17	5.19	5.21	5.23	5.26	5.28	5.31	5.34	5.37

LF	14	993	5.40	5.43	5.47	5.50	5.54	5.58	5.62	5.66	5.70	5.74
LF	14	1003	5.78	5.83	5.87	5.92						

INTERMEDIATE REPORT

Effective BOD
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.11	3.11	3.10	3.10	3.10	3.10	3.10	3.09	3.09	3.09
B1	1	11	3.09	3.09	3.08	3.08	3.08	3.08	3.08	3.08	3.07	3.07
B1	1	21	3.07	3.07	3.07	3.06	3.06	3.06	3.06	3.06	3.05	3.05
B2	2	31	3.17	3.27	3.35	3.43	3.50	3.56	3.61	3.66	3.70	3.74
B2	2	41	3.78	3.81	3.84	3.87	3.90	3.92	3.94	3.96	3.98	4.00
B2	2	51	4.02	4.03	4.05	4.06	4.07	4.08	4.10	4.11	4.12	4.13
B2	2	61	4.14	4.15	4.15	4.16	4.17	4.18	4.18	4.19	4.20	4.20
B2	2	71	4.21	4.21	4.22	4.22	4.23	4.23	4.24	4.24	4.25	4.25
B2	2	81	4.26	4.26	4.26	4.27	4.27	4.27	4.28	4.28	4.28	4.29
B2	2	91	4.29	4.29	4.29	4.30	4.30	4.30	4.30	4.31	4.31	4.31
B2	2	101	4.31	4.31	4.32	4.32	4.32	4.32	4.32	4.33	4.33	4.33
B2	2	111	4.33	4.33	4.33	4.34	4.34	4.34	4.34	4.34	4.34	4.34
B2	2	121	4.34	4.35	4.35	4.35	4.35					
CH	5	229	5.44	5.11	5.11	5.10	5.10	5.09	5.09	5.08	5.08	5.07
CH	5	239	5.07	5.06	5.06	5.05	5.05	5.04	5.04	5.03	5.03	5.02
CH	5	249	5.02	5.01	5.01	5.01	5.00	5.00	4.99	4.99	4.98	4.98
CH	5	259	4.98	4.97	4.97	4.96	4.96	4.95	4.95	4.95	4.94	4.94
CH	5	269	4.93	4.93	4.93							
CW	8	347	4.90	4.89	4.87	4.86	4.85	4.83	4.82	4.80	4.79	4.78
CW	8	357	4.76	4.75	4.74	4.73	4.71	4.70	4.69	4.67	4.66	4.39
CW	8	367	4.53	4.52	4.51	4.50	4.49	4.48	4.47	4.46	4.45	4.44
CW	8	377	4.43	4.43	4.42	4.41	4.40	4.39	4.38	4.37	4.36	4.36
CW	8	387	4.35	4.34	4.33	4.32	4.32	4.31	4.30	4.29	4.28	4.28
CW	8	397	4.27	4.26	4.25	4.25	4.24	4.23	4.23	4.22	4.21	4.20
CW	8	407	4.20	4.19	4.18	4.18	4.17	4.16	4.16	4.15	4.14	4.14
CW	8	417	4.13	4.13	4.12							
I2	10	554	1.48	1.48	1.47	1.46	1.46	1.45	1.45	1.44	1.44	1.43
I2	10	564	1.43	1.42	1.42	1.41	1.41	1.41	1.40	1.40	1.39	1.39
I2	10	574	1.38	1.38	1.37	1.37	1.36	1.36	1.35	1.35	1.34	1.34
I2	10	584	1.34	1.33	1.33	1.32	1.32	1.31	1.31	1.31	1.30	1.30
I2	10	594	1.29	1.29	1.28	1.28	1.28	1.27	1.27	1.26	1.26	1.26
I2	10	604	1.25	1.25	1.24	1.24	1.24	1.23	1.23	1.22	1.22	1.22
I2	10	614	1.21	1.21	1.21	1.20	1.20	1.19	1.19	1.19	1.18	1.18
I2	10	624	1.18	1.17	1.17	1.16	1.16	1.16	1.15	1.15	1.15	1.14
I2	10	634	1.14	1.14	1.13	1.13	1.13	1.12	1.12	1.12	1.11	1.11
I2	10	644	1.11	1.10	1.10	1.10	1.09	1.09	1.09	1.08	1.08	1.08
I2	10	654	1.08	1.07	1.07	1.07	1.06	1.06	1.06	1.05	1.05	1.05
I2	10	664	1.05	1.04	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.03
I2	10	674	1.02	1.02	1.02	1.01	1.08	1.08	1.07	1.07	1.07	1.06

I2	10	684	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.04	1.04	1.04
I2	10	694	1.04	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.01
I2	10	704	1.01	1.01	1.01	1.00	1.00	1.00				
I3	12	829	1.19	1.18	1.17	1.17	1.16	1.15	1.14	1.13	1.12	1.12
I3	12	839	1.11	1.10	1.09	1.08	1.07	1.07	1.06	1.05	1.04	1.04
I3	12	849	1.03	1.02	1.01	1.01	1.00	0.99	0.98	0.98	0.97	0.96
I3	12	859	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
I3	12	869	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.83
I4	16	1047	1.19	1.19	1.19	1.18	1.18	1.17	1.17	1.17	1.16	1.16
I4	16	1057	1.15	1.15	1.15	1.14	1.14	1.14	1.13	1.13	1.12	1.12
I4	16	1067	1.12	1.11	1.11	1.11	1.10	1.10	1.10	1.09	1.09	1.09
I4	16	1077	1.08	1.08	1.07	1.07	1.07	1.06	1.06	1.06	1.05	1.05
I4	16	1087	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.02
I4	16	1097	1.01	1.01	1.01	1.00	1.00	1.00	0.99	0.99	0.99	0.98
I4	16	1107	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95
I4	16	1117	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
I4	16	1127	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.89	0.89
I4	16	1137	0.89	0.89	0.88	0.88	0.88	0.87	0.87	0.87	0.87	0.86
I4	16	1147	0.86	0.86	0.85	0.85	0.85	0.85	0.84	0.84	0.84	
P1	3	126	5.23	5.23	5.23	5.23	5.23	5.22	5.22	5.22	5.22	5.22
P1	3	136	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.21	5.21	5.21
P1	3	146	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
P1	3	156	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
P1	3	166	5.21	5.21	5.21	5.20	5.20	5.20	5.20	5.20	5.20	5.20
P1	3	176	5.20	5.20	5.20	5.20	5.20	5.20	5.19			
P2	4	183	5.21	5.23	5.25	5.29	5.32	5.34	5.35	5.37	5.39	5.40
P2	4	193	5.42	5.43	5.45	5.47	5.48	5.50	5.51	5.53	5.54	5.56
P2	4	203	5.57	5.59	5.60	5.62	5.63	5.65	5.66	5.68	5.69	5.71
P2	4	213	5.72	5.73	5.75	5.76	5.78	5.79	5.80	5.82	5.83	5.84
P2	4	223	5.86	5.87	5.88	5.90	5.91	5.92				
C1	6	272	2.73	2.83	2.91	2.97	3.03	3.07	3.11	3.14	3.17	3.19
C1	6	282	3.21	3.23	3.24	3.26	3.27	3.28	3.29	3.30	3.31	3.31
C1	6	292	3.32	3.33	3.33	3.34	3.34	3.35	3.35	3.35	3.36	3.36
C1	6	302	3.36	3.36	3.37							
C2	7	305	6.28	5.83	5.43	5.08	4.77	4.49	4.25	4.03	3.83	3.66
C2	7	315	3.50	3.36	3.24	3.12	3.02	2.92	2.84	2.76	2.69	2.62
C2	7	325	2.56	2.51	2.46	2.41	2.37	2.33	2.30	2.26	2.23	2.20
C2	7	335	2.18	2.15	2.13	2.11	2.09	2.07	2.05	2.04	2.02	2.01
C2	7	345	2.00	1.98								
I1	9	420	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54
I1	9	430	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53
I1	9	440	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
I1	9	450	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I1	9	460	0.51	0.50	0.50	0.52	0.52	0.52	0.51	0.51	0.51	0.51
I1	9	470	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50
I1	9	480	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49
I1	9	490	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48
I1	9	500	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47
I1	9	510	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
I1	9	520	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46

I1	9	530	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45
I1	9	540	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.44
I1	9	550	0.48	0.48	0.48	0.48						
BP	11	710	0.78	0.82	0.86	0.90	0.94	0.98	1.02	1.06	1.09	1.13
BP	11	720	1.17	1.21	1.24	1.28	1.31	1.35	1.39	1.42	1.46	1.49
BP	11	730	1.52	1.56	1.59	1.62	1.66	1.69	1.72	1.76	1.79	2.46
BP	11	740	2.48	2.50	2.53	2.55	2.57	2.60	2.62	2.64	2.67	2.69
BP	11	750	2.71	2.73	2.75	2.78	2.80	2.82	2.84	2.86	2.88	2.90
BP	11	760	2.92	2.94	2.96	2.98	3.00	3.02	3.04	3.06	3.08	3.10
BP	11	770	3.12	3.14	3.15	3.17	3.19	3.21	3.23	3.24	3.26	3.30
BP	11	780	3.32	3.34	3.39	3.40	3.42	3.45	3.46	3.48	3.49	3.51
BP	11	790	3.53	3.54	3.56	3.57	3.59	3.60	3.62	3.63	3.65	3.66
BP	11	800	3.68	3.69	3.71	3.72	3.73	3.75	3.76	3.77	3.79	3.80
BP	11	810	3.81	3.83	3.84	3.85	3.87	3.88	3.89	3.90	3.92	3.93
BP	11	820	3.94	3.95	3.96	3.98	3.99	4.00	4.01	4.02	4.04	
U1	13	879	6.31	6.23	6.15	6.07	5.98	5.91	5.83	5.75	5.67	5.60
U1	13	889	5.52	5.45	5.38	5.30	5.23	5.16	5.10	5.03	4.96	4.89
U1	13	899	4.83	4.76	4.70	4.64	4.58	4.52	4.46	4.40	4.27	4.23
U1	13	909	4.18	4.14	4.09	4.05	4.00	3.96	3.92	3.88	3.84	3.79
U1	13	919	3.75	3.71	3.67	3.63	3.59	3.56	3.52	3.48	3.44	3.41
U1	13	929	3.37	3.33	3.30	3.26	3.23	3.19	3.16	3.12	3.09	3.06
U1	13	939	3.03	2.99	2.96	2.93	2.90	2.87	2.84	2.81	2.78	2.75
U1	13	949	2.72	2.69	2.66	2.63	2.60	2.57	2.55	2.52	2.49	2.46
U1	13	959	2.44	2.41	2.39	2.36						
U2	15	1007	2.41	2.39	2.38	2.36	2.34	2.33	2.31	2.30	2.29	2.27
U2	15	1017	2.26	2.24	2.23	2.21	2.20	2.18	2.17	2.16	2.14	2.13
U2	15	1027	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.02	2.01	2.00
U2	15	1037	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90	1.88	1.87
LF	14	963	4.73	4.67	4.60	4.54	4.47	4.41	4.35	4.29	4.22	4.17
LF	14	973	4.11	4.05	3.99	3.94	3.88	3.83	3.77	3.72	3.67	3.61
LF	14	983	3.56	3.51	3.46	3.42	3.37	3.32	3.27	3.23	3.18	3.14
LF	14	993	3.09	3.05	3.01	2.96	2.92	2.88	2.84	2.80	2.76	2.72
LF	14	1003	2.68	2.65	2.61	2.57						

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.11	3.11	3.10	3.10	3.10	3.10	3.10	3.09	3.09	3.09
B1	1	11	3.09	3.09	3.08	3.08	3.08	3.08	3.08	3.08	3.07	3.07
B1	1	21	3.07	3.07	3.07	3.06	3.06	3.06	3.06	3.06	3.05	3.05
B2	2	31	3.17	3.27	3.35	3.43	3.50	3.56	3.61	3.66	3.70	3.74
B2	2	41	3.78	3.81	3.84	3.87	3.90	3.92	3.94	3.96	3.98	4.00
B2	2	51	4.02	4.03	4.05	4.06	4.07	4.08	4.10	4.11	4.12	4.13
B2	2	61	4.14	4.15	4.15	4.16	4.17	4.18	4.18	4.19	4.20	4.20
B2	2	71	4.21	4.21	4.22	4.22	4.23	4.23	4.24	4.24	4.25	4.25

B2	2	81	4.26	4.26	4.26	4.27	4.27	4.27	4.28	4.28	4.28	4.29
B2	2	91	4.29	4.29	4.29	4.30	4.30	4.30	4.30	4.31	4.31	4.31
B2	2	101	4.31	4.31	4.32	4.32	4.32	4.32	4.32	4.33	4.33	4.33
B2	2	111	4.33	4.33	4.33	4.34	4.34	4.34	4.34	4.34	4.34	4.34
B2	2	121	4.34	4.35	4.35	4.35	4.35					
CH	5	229	5.44	5.11	5.11	5.10	5.10	5.09	5.09	5.08	5.08	5.07
CH	5	239	5.07	5.06	5.06	5.05	5.05	5.04	5.04	5.03	5.03	5.02
CH	5	249	5.02	5.01	5.01	5.01	5.00	5.00	4.99	4.99	4.98	4.98
CH	5	259	4.98	4.97	4.97	4.96	4.96	4.95	4.95	4.95	4.94	4.94
CH	5	269	4.93	4.93	4.93							
CW	8	347	4.90	4.89	4.87	4.86	4.85	4.83	4.82	4.80	4.79	4.78
CW	8	357	4.76	4.75	4.74	4.73	4.71	4.70	4.69	4.67	4.66	4.39
CW	8	367	4.53	4.52	4.51	4.50	4.49	4.48	4.47	4.46	4.45	4.44
CW	8	377	4.43	4.43	4.42	4.41	4.40	4.39	4.38	4.37	4.36	4.36
CW	8	387	4.35	4.34	4.33	4.32	4.32	4.31	4.30	4.29	4.28	4.28
CW	8	397	4.27	4.26	4.25	4.25	4.24	4.23	4.23	4.22	4.21	4.20
CW	8	407	4.20	4.19	4.18	4.18	4.17	4.16	4.16	4.15	4.14	4.14
CW	8	417	4.13	4.13	4.12							
I2	10	554	1.48	1.48	1.47	1.46	1.46	1.45	1.45	1.44	1.44	1.43
I2	10	564	1.43	1.42	1.42	1.41	1.41	1.41	1.40	1.40	1.39	1.39
I2	10	574	1.38	1.38	1.37	1.37	1.36	1.36	1.35	1.35	1.34	1.34
I2	10	584	1.34	1.33	1.33	1.32	1.32	1.31	1.31	1.31	1.30	1.30
I2	10	594	1.29	1.29	1.28	1.28	1.28	1.27	1.27	1.26	1.26	1.26
I2	10	604	1.25	1.25	1.24	1.24	1.24	1.23	1.23	1.22	1.22	1.22
I2	10	614	1.21	1.21	1.21	1.20	1.20	1.19	1.19	1.19	1.18	1.18
I2	10	624	1.18	1.17	1.17	1.16	1.16	1.16	1.15	1.15	1.15	1.14
I2	10	634	1.14	1.14	1.13	1.13	1.13	1.12	1.12	1.12	1.11	1.11
I2	10	644	1.11	1.10	1.10	1.10	1.09	1.09	1.09	1.08	1.08	1.08
I2	10	654	1.08	1.07	1.07	1.07	1.06	1.06	1.06	1.05	1.05	1.05
I2	10	664	1.05	1.04	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.03
I2	10	674	1.02	1.02	1.02	1.01	1.08	1.08	1.07	1.07	1.07	1.06
I2	10	684	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.04	1.04	1.04
I2	10	694	1.04	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.01
I2	10	704	1.01	1.01	1.01	1.00	1.00	1.00				
I3	12	829	1.19	1.18	1.17	1.17	1.16	1.15	1.14	1.13	1.12	1.12
I3	12	839	1.11	1.10	1.09	1.08	1.07	1.07	1.06	1.05	1.04	1.04
I3	12	849	1.03	1.02	1.01	1.01	1.00	0.99	0.98	0.98	0.97	0.96
I3	12	859	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
I3	12	869	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.83
I4	16	1047	1.19	1.19	1.19	1.18	1.18	1.17	1.17	1.17	1.16	1.16
I4	16	1057	1.15	1.15	1.15	1.14	1.14	1.14	1.13	1.13	1.12	1.12
I4	16	1067	1.12	1.11	1.11	1.11	1.10	1.10	1.10	1.09	1.09	1.09
I4	16	1077	1.08	1.08	1.07	1.07	1.07	1.06	1.06	1.06	1.05	1.05
I4	16	1087	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.02
I4	16	1097	1.01	1.01	1.01	1.00	1.00	1.00	0.99	0.99	0.99	0.98
I4	16	1107	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95
I4	16	1117	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
I4	16	1127	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90	0.89	0.89
I4	16	1137	0.89	0.89	0.88	0.88	0.88	0.87	0.87	0.87	0.87	0.86
I4	16	1147	0.86	0.86	0.85	0.85	0.85	0.85	0.84	0.84	0.84	

P1	3	126	5.23	5.23	5.23	5.23	5.23	5.22	5.22	5.22	5.22	5.22
P1	3	136	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.21	5.21	5.21
P1	3	146	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
P1	3	156	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
P1	3	166	5.21	5.21	5.21	5.20	5.20	5.20	5.20	5.20	5.20	5.20
P1	3	176	5.20	5.20	5.20	5.20	5.20	5.20	5.19			
P2	4	183	5.21	5.23	5.25	5.29	5.32	5.34	5.35	5.37	5.39	5.40
P2	4	193	5.42	5.43	5.45	5.47	5.48	5.50	5.51	5.53	5.54	5.56
P2	4	203	5.57	5.59	5.60	5.62	5.63	5.65	5.66	5.68	5.69	5.71
P2	4	213	5.72	5.73	5.75	5.76	5.78	5.79	5.80	5.82	5.83	5.84
P2	4	223	5.86	5.87	5.88	5.90	5.91	5.92				
C1	6	272	2.73	2.83	2.91	2.97	3.03	3.07	3.11	3.14	3.17	3.19
C1	6	282	3.21	3.23	3.24	3.26	3.27	3.28	3.29	3.30	3.31	3.31
C1	6	292	3.32	3.33	3.33	3.34	3.34	3.35	3.35	3.35	3.36	3.36
C1	6	302	3.36	3.36	3.37							
C2	7	305	6.28	5.83	5.43	5.08	4.77	4.49	4.25	4.03	3.83	3.66
C2	7	315	3.50	3.36	3.24	3.12	3.02	2.92	2.84	2.76	2.69	2.62
C2	7	325	2.56	2.51	2.46	2.41	2.37	2.33	2.30	2.26	2.23	2.20
C2	7	335	2.18	2.15	2.13	2.11	2.09	2.07	2.05	2.04	2.02	2.01
C2	7	345	2.00	1.98								
I1	9	420	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54
I1	9	430	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53
I1	9	440	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
I1	9	450	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I1	9	460	0.51	0.50	0.50	0.52	0.52	0.52	0.51	0.51	0.51	0.51
I1	9	470	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50
I1	9	480	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49
I1	9	490	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48
I1	9	500	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47
I1	9	510	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
I1	9	520	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
I1	9	530	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45
I1	9	540	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.44
I1	9	550	0.48	0.48	0.48	0.48						
BP	11	710	0.78	0.82	0.86	0.90	0.94	0.98	1.02	1.06	1.09	1.13
BP	11	720	1.17	1.21	1.24	1.28	1.31	1.35	1.39	1.42	1.46	1.49
BP	11	730	1.52	1.56	1.59	1.62	1.66	1.69	1.72	1.76	1.79	2.46
BP	11	740	2.48	2.50	2.53	2.55	2.57	2.60	2.62	2.64	2.67	2.69
BP	11	750	2.71	2.73	2.75	2.78	2.80	2.82	2.84	2.86	2.88	2.90
BP	11	760	2.92	2.94	2.96	2.98	3.00	3.02	3.04	3.06	3.08	3.10
BP	11	770	3.12	3.14	3.15	3.17	3.19	3.21	3.23	3.24	3.26	3.30
BP	11	780	3.32	3.34	3.39	3.40	3.42	3.45	3.46	3.48	3.49	3.51
BP	11	790	3.53	3.54	3.56	3.57	3.59	3.60	3.62	3.63	3.65	3.66
BP	11	800	3.68	3.69	3.71	3.72	3.73	3.75	3.76	3.77	3.79	3.80
BP	11	810	3.81	3.83	3.84	3.85	3.87	3.88	3.89	3.90	3.92	3.93
BP	11	820	3.94	3.95	3.96	3.98	3.99	4.00	4.01	4.02	4.04	
U1	13	879	6.31	6.23	6.15	6.07	5.98	5.91	5.83	5.75	5.67	5.60
U1	13	889	5.52	5.45	5.38	5.30	5.23	5.16	5.10	5.03	4.96	4.89
U1	13	899	4.83	4.76	4.70	4.64	4.58	4.52	4.46	4.40	4.27	4.23
U1	13	909	4.18	4.14	4.09	4.05	4.00	3.96	3.92	3.88	3.84	3.79

U1	13	919	3.75	3.71	3.67	3.63	3.59	3.56	3.52	3.48	3.44	3.41
U1	13	929	3.37	3.33	3.30	3.26	3.23	3.19	3.16	3.12	3.09	3.06
U1	13	939	3.03	2.99	2.96	2.93	2.90	2.87	2.84	2.81	2.78	2.75
U1	13	949	2.72	2.69	2.66	2.63	2.60	2.57	2.55	2.52	2.49	2.46
U1	13	959	2.44	2.41	2.39	2.36						
U2	15	1007	2.41	2.39	2.38	2.36	2.34	2.33	2.31	2.30	2.29	2.27
U2	15	1017	2.26	2.24	2.23	2.21	2.20	2.18	2.17	2.16	2.14	2.13
U2	15	1027	2.12	2.10	2.09	2.08	2.06	2.05	2.04	2.02	2.01	2.00
U2	15	1037	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90	1.88	1.87
LF	14	963	4.73	4.67	4.60	4.54	4.47	4.41	4.35	4.29	4.22	4.17
LF	14	973	4.11	4.05	3.99	3.94	3.88	3.83	3.77	3.72	3.67	3.61
LF	14	983	3.56	3.51	3.46	3.42	3.37	3.32	3.27	3.23	3.18	3.14
LF	14	993	3.09	3.05	3.01	2.96	2.92	2.88	2.84	2.80	2.76	2.72
LF	14	1003	2.68	2.65	2.61	2.57						

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
B1	1	11	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
B1	1	21	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
B2	2	31	1.55	1.51	1.48	1.45	1.42	1.40	1.38	1.36	1.34	1.33
B2	2	41	1.31	1.30	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.21
B2	2	51	1.21	1.20	1.19	1.19	1.18	1.17	1.17	1.16	1.16	1.15
B2	2	61	1.15	1.14	1.14	1.14	1.13	1.13	1.12	1.12	1.12	1.11
B2	2	71	1.11	1.11	1.11	1.10	1.10	1.10	1.09	1.09	1.09	1.09
B2	2	81	1.09	1.08	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.07
B2	2	91	1.07	1.07	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05
B2	2	101	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.04
B2	2	111	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03
B2	2	121	1.03	1.03	1.03	1.03	1.03					
CH	5	229	1.27	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.12
CH	5	239	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11
CH	5	249	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10
CH	5	259	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.09	1.09
CH	5	269	1.09	1.09	1.09							
CW	8	347	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.07
CW	8	357	1.07	1.07	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.01
CW	8	367	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00
CW	8	377	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99
CW	8	387	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98
CW	8	397	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
CW	8	407	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95
CW	8	417	0.95	0.95	0.95							
I2	10	554	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49

I2	10	564	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50
I2	10	574	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
I2	10	584	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
I2	10	594	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.52
I2	10	604	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53
I2	10	614	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
I2	10	624	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
I2	10	634	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55
I2	10	644	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
I2	10	654	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I2	10	664	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57
I2	10	674	0.57	0.57	0.57	0.57	0.56	0.56	0.57	0.57	0.57	0.57
I2	10	684	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I2	10	694	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
I2	10	704	0.58	0.58	0.58	0.58	0.58	0.58				
I3	12	829	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I3	12	839	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I3	12	849	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I3	12	859	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I3	12	869	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57
I4	16	1047	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I4	16	1057	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I4	16	1067	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I4	16	1077	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I4	16	1087	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
I4	16	1097	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I4	16	1107	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I4	16	1117	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I4	16	1127	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I4	16	1137	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
I4	16	1147	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	
P1	3	126	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
P1	3	136	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
P1	3	146	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
P1	3	156	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
P1	3	166	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
P1	3	176	1.45	1.45	1.45	1.45	1.45	1.45	1.45			
P2	4	183	1.45	1.45	1.44	1.44	1.44	1.44	1.44	1.44	1.43	1.43
P2	4	193	1.43	1.43	1.43	1.43	1.42	1.42	1.42	1.42	1.42	1.42
P2	4	203	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.40
P2	4	213	1.40	1.40	1.40	1.40	1.39	1.39	1.39	1.39	1.39	1.39
P2	4	223	1.39	1.38	1.38	1.38	1.38	1.38				
C1	6	272	0.36	0.38	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48
C1	6	282	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53	0.53
C1	6	292	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.56
C1	6	302	0.56	0.56	0.56							
C2	7	305	1.28	1.26	1.24	1.22	1.20	1.18	1.16	1.15	1.13	1.12
C2	7	315	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	1.00
C2	7	325	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92
C2	7	335	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.88	0.87	0.87

C2	7	345	0.86	0.86								
I1	9	420	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
I1	9	430	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
I1	9	440	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
I1	9	450	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	460	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	470	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	480	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	490	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	500	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
I1	9	510	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30
I1	9	520	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	530	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	540	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
I1	9	550	0.30	0.30	0.30	0.30						
BP	11	710	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
BP	11	720	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23
BP	11	730	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
BP	11	740	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
BP	11	750	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22
BP	11	760	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
BP	11	770	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
BP	11	780	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
BP	11	790	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21
BP	11	800	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
BP	11	810	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
BP	11	820	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	
U1	13	879	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
U1	13	889	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U1	13	899	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56
U1	13	909	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
U1	13	919	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U1	13	929	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U1	13	939	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U1	13	949	0.55	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54
U1	13	959	0.54	0.54	0.54	0.54						
U2	15	1007	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U2	15	1017	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U2	15	1027	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
U2	15	1037	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
LF	14	963	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
LF	14	973	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
LF	14	983	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
LF	14	993	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58
LF	14	1003	0.58	0.58	0.58	0.58						

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B1	1	11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B1	1	21	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	31	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	41	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	51	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	61	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	71	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	81	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	91	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	101	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	111	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
B2	2	121	0.03	0.03	0.03	0.03	0.03					
CH	5	229	0.80	0.69	0.68	0.67	0.66	0.65	0.64	0.64	0.63	0.62
CH	5	239	0.61	0.60	0.60	0.59	0.58	0.57	0.57	0.56	0.55	0.54
CH	5	249	0.54	0.53	0.52	0.52	0.51	0.50	0.50	0.49	0.49	0.48
CH	5	259	0.47	0.47	0.46	0.46	0.45	0.44	0.44	0.43	0.43	0.42
CH	5	269	0.42	0.41	0.40							
CW	8	347	0.40	0.39	0.38	0.37	0.36	0.36	0.35	0.34	0.33	0.33
CW	8	357	0.32	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.37
CW	8	367	0.37	0.36	0.35	0.35	0.34	0.33	0.33	0.32	0.31	0.31
CW	8	377	0.30	0.30	0.29	0.29	0.28	0.28	0.27	0.27	0.26	0.26
CW	8	387	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22
CW	8	397	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18
CW	8	407	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16
CW	8	417	0.15	0.15	0.15							
I2	10	554	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
I2	10	564	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
I2	10	574	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
I2	10	584	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
I2	10	594	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
I2	10	604	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
I2	10	614	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
I2	10	624	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	634	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	644	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	654	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	664	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	674	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	684	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	694	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I2	10	704	0.04	0.04	0.04	0.04	0.04	0.04				
I3	12	829	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	839	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	849	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I3	12	859	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

I3	12	869	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1047	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1057	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1067	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1077	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1087	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1097	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1107	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1117	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1127	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1137	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
I4	16	1147	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
P1	3	126	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
P1	3	136	1.43	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
P1	3	146	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.41
P1	3	156	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
P1	3	166	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.40
P1	3	176	1.40	1.40	1.40	1.40	1.40	1.40	1.40			
P2	4	183	1.39	1.39	1.38	1.37	1.37	1.36	1.36	1.35	1.34	1.34
P2	4	193	1.33	1.33	1.32	1.32	1.31	1.30	1.30	1.29	1.29	1.28
P2	4	203	1.28	1.27	1.27	1.26	1.25	1.25	1.24	1.24	1.23	1.23
P2	4	213	1.22	1.22	1.21	1.21	1.20	1.20	1.19	1.19	1.18	1.18
P2	4	223	1.17	1.17	1.16	1.16	1.16	1.15				
C1	6	272	0.08	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.02	0.02
C1	6	282	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
C1	6	292	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C1	6	302	0.01	0.01	0.01							
C2	7	305	0.66	0.56	0.47	0.40	0.35	0.30	0.26	0.23	0.20	0.18
C2	7	315	0.16	0.14	0.12	0.11	0.10	0.09	0.08	0.08	0.07	0.06
C2	7	325	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
C2	7	335	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
C2	7	345	0.03	0.03								
I1	9	420	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	430	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	440	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	450	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	460	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	470	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	480	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
I1	9	490	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
I1	9	500	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	510	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	520	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	530	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	540	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
I1	9	550	0.03	0.03	0.03	0.03						
BP	11	710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	720	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	730	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.16
BP	11	740	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13

BP	11	750	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11
BP	11	760	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09
BP	11	770	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08
BP	11	780	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07
BP	11	790	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06
BP	11	800	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05
BP	11	810	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
BP	11	820	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
U1	13	879	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
U1	13	889	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
U1	13	899	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
U1	13	909	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U1	13	919	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U1	13	929	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U1	13	939	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U1	13	949	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U1	13	959	0.04	0.04	0.04	0.04						
U2	15	1007	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U2	15	1017	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U2	15	1027	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
U2	15	1037	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
LF	14	963	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
LF	14	973	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
LF	14	983	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
LF	14	993	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
LF	14	1003	0.03	0.03	0.03	0.03						

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
B1	1	11	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
B1	1	21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
B2	2	31	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00	0.96	0.92
B2	2	41	0.89	0.86	0.83	0.80	0.77	0.75	0.73	0.71	0.69	0.67
B2	2	51	0.65	0.63	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.53
B2	2	61	0.52	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.44
B2	2	71	0.43	0.42	0.41	0.41	0.40	0.40	0.39	0.38	0.38	0.37
B2	2	81	0.37	0.36	0.36	0.35	0.35	0.34	0.34	0.34	0.33	0.33
B2	2	91	0.32	0.32	0.32	0.31	0.31	0.30	0.30	0.30	0.29	0.29
B2	2	101	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.26
B2	2	111	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.24	0.24	0.24
B2	2	121	0.24	0.24	0.23	0.23	0.23					
CH	5	229	1.36	1.32	1.33	1.34	1.35	1.35	1.36	1.37	1.38	1.38
CH	5	239	1.39	1.40	1.40	1.41	1.41	1.42	1.42	1.43	1.43	1.44

CH	5	249	1.44	1.44	1.44	1.45	1.45	1.45	1.45	1.45	1.45	1.46
CH	5	259	1.46	1.46	1.46	1.46	1.45	1.45	1.45	1.45	1.45	1.45
CH	5	269	1.44	1.44	1.44							
CW	8	347	1.43	1.42	1.42	1.41	1.41	1.40	1.40	1.39	1.39	1.38
CW	8	357	1.38	1.37	1.37	1.36	1.36	1.36	1.35	1.35	1.34	1.24
CW	8	367	1.23	1.23	1.23	1.23	1.23	1.22	1.22	1.22	1.22	1.22
CW	8	377	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.21	1.21
CW	8	387	1.21	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22
CW	8	397	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.23	1.23
CW	8	407	1.23	1.23	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25
CW	8	417	1.26	1.26	1.26							
I2	10	554	1.64	1.64	1.64	1.65	1.65	1.65	1.65	1.65	1.65	1.65
I2	10	564	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.66
I2	10	574	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
I2	10	584	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.67	1.67	1.67
I2	10	594	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
I2	10	604	1.67	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68
I2	10	614	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
I2	10	624	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.69	1.69	1.69
I2	10	634	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
I2	10	644	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
I2	10	654	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
I2	10	664	1.70	1.70	1.70	1.70	1.70	1.71	1.71	1.71	1.71	1.71
I2	10	674	1.71	1.71	1.71	1.71	1.51	1.51	1.51	1.51	1.51	1.51
I2	10	684	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
I2	10	694	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
I2	10	704	1.52	1.52	1.52	1.52	1.52	1.52				
I3	12	829	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
I3	12	839	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.51
I3	12	849	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
I3	12	859	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
I3	12	869	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.52	1.52
I4	16	1047	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
I4	16	1057	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
I4	16	1067	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
I4	16	1077	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
I4	16	1087	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
I4	16	1097	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24
I4	16	1107	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
I4	16	1117	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
I4	16	1127	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
I4	16	1137	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
I4	16	1147	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
P1	3	126	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
P1	3	136	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92
P1	3	146	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
P1	3	156	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.93
P1	3	166	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
P1	3	176	1.93	1.94	1.94	1.94	1.94	1.94	1.94			
P2	4	183	1.94	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.91

P2	4	193	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.89	1.89	1.89
P2	4	203	1.89	1.89	1.88	1.88	1.88	1.88	1.87	1.87	1.87	1.87
P2	4	213	1.86	1.86	1.86	1.86	1.86	1.85	1.85	1.85	1.85	1.84
P2	4	223	1.84	1.84	1.84	1.83	1.83	1.83				
C1	6	272	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
C1	6	282	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
C1	6	292	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09
C1	6	302	0.09	0.09	0.09							
C2	7	305	0.40	0.48	0.53	0.57	0.60	0.62	0.63	0.63	0.62	0.62
C2	7	315	0.60	0.58	0.56	0.54	0.52	0.49	0.46	0.43	0.40	0.37
C2	7	325	0.34	0.30	0.27	0.23	0.20	0.16	0.12	0.08	0.05	0.01
C2	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	345	0.00	0.00								
I1	9	420	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.71	1.71
I1	9	430	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
I1	9	440	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
I1	9	450	1.71	1.71	1.71	1.72	1.72	1.72	1.72	1.72	1.72	1.72
I1	9	460	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.74	1.74	1.74
I1	9	470	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
I1	9	480	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
I1	9	490	1.74	1.74	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
I1	9	500	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
I1	9	510	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
I1	9	520	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
I1	9	530	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
I1	9	540	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
I1	9	550	1.79	1.79	1.79	1.79						
BP	11	710	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.51	1.50	1.49
BP	11	720	1.48	1.47	1.46	1.45	1.44	1.43	1.42	1.41	1.40	1.39
BP	11	730	1.38	1.38	1.37	1.36	1.35	1.34	1.33	1.32	1.31	1.33
BP	11	740	1.33	1.32	1.32	1.31	1.31	1.30	1.30	1.30	1.29	1.29
BP	11	750	1.28	1.28	1.27	1.27	1.27	1.26	1.26	1.25	1.25	1.25
BP	11	760	1.24	1.24	1.24	1.23	1.23	1.22	1.22	1.22	1.21	1.21
BP	11	770	1.21	1.20	1.20	1.20	1.20	1.19	1.19	1.19	1.18	1.18
BP	11	780	1.18	1.18	1.18	1.17	1.17	1.17	1.17	1.16	1.16	1.16
BP	11	790	1.16	1.16	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14
BP	11	800	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
BP	11	810	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
BP	11	820	1.13	1.13	1.13	1.13	1.13	1.14	1.14	1.14	1.14	
U1	13	879	1.60	1.59	1.59	1.59	1.58	1.58	1.58	1.57	1.57	1.57
U1	13	889	1.56	1.56	1.56	1.55	1.55	1.55	1.54	1.54	1.54	1.53
U1	13	899	1.53	1.53	1.52	1.52	1.52	1.51	1.51	1.51	1.21	1.20
U1	13	909	1.20	1.20	1.20	1.19	1.19	1.19	1.18	1.18	1.18	1.18
U1	13	919	1.17	1.17	1.17	1.17	1.16	1.16	1.16	1.15	1.15	1.15
U1	13	929	1.15	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.12	1.12
U1	13	939	1.12	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.09	1.09
U1	13	949	1.09	1.08	1.08	1.08	1.08	1.07	1.07	1.07	1.06	1.06
U1	13	959	1.06	1.05	1.05	1.05						
U2	15	1007	0.72	0.72	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.71
U2	15	1017	0.71	0.71	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.70

U2	15	1027	0.70	0.70	0.70	0.70	0.70	0.69	0.69	0.69	0.69	0.69
U2	15	1037	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
LF	14	963	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT
Total Nitrogen
mg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B1	1	11	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B1	1	21	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
B2	2	31	2.99	2.88	2.77	2.68	2.60	2.52	2.45	2.39	2.33	2.28
B2	2	41	2.23	2.19	2.15	2.11	2.07	2.04	2.00	1.97	1.94	1.92
B2	2	51	1.89	1.87	1.84	1.82	1.80	1.78	1.76	1.75	1.73	1.71
B2	2	61	1.70	1.68	1.67	1.65	1.64	1.63	1.62	1.60	1.59	1.58
B2	2	71	1.57	1.56	1.55	1.54	1.53	1.52	1.52	1.51	1.50	1.49
B2	2	81	1.48	1.48	1.47	1.46	1.46	1.45	1.44	1.44	1.43	1.43
B2	2	91	1.42	1.41	1.41	1.40	1.40	1.39	1.39	1.38	1.38	1.37
B2	2	101	1.37	1.37	1.36	1.36	1.35	1.35	1.35	1.34	1.34	1.33
B2	2	111	1.33	1.33	1.32	1.32	1.32	1.31	1.31	1.31	1.30	1.30
B2	2	121	1.30	1.30	1.29	1.29	1.29					
CH	5	229	3.43	3.14	3.14	3.14	3.14	3.13	3.13	3.13	3.13	3.13
CH	5	239	3.12	3.12	3.12	3.12	3.11	3.11	3.11	3.10	3.10	3.09
CH	5	249	3.09	3.08	3.08	3.07	3.07	3.06	3.06	3.05	3.04	3.04
CH	5	259	3.03	3.02	3.02	3.01	3.00	2.99	2.99	2.98	2.97	2.96
CH	5	269	2.95	2.94	2.93							
CW	8	347	2.91	2.89	2.88	2.87	2.85	2.84	2.82	2.81	2.80	2.78
CW	8	357	2.77	2.76	2.75	2.73	2.72	2.71	2.70	2.69	2.68	2.62
CW	8	367	2.61	2.60	2.59	2.58	2.58	2.57	2.56	2.55	2.54	2.53
CW	8	377	2.53	2.52	2.51	2.50	2.50	2.49	2.48	2.48	2.47	2.46
CW	8	387	2.46	2.45	2.45	2.44	2.43	2.43	2.42	2.42	2.42	2.41
CW	8	397	2.41	2.40	2.40	2.40	2.39	2.39	2.39	2.38	2.38	2.38
CW	8	407	2.38	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.36	2.36
CW	8	417	2.36	2.36	2.36							
I2	10	554	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.20
I2	10	564	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.21	2.21
I2	10	574	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.22	2.22
I2	10	584	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.23	2.23	2.23
I2	10	594	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.24	2.24	2.24
I2	10	604	2.24	2.24	2.24	2.24	2.24	2.24	2.25	2.25	2.25	2.25
I2	10	614	2.25	2.25	2.25	2.25	2.25	2.26	2.26	2.26	2.26	2.26
I2	10	624	2.26	2.26	2.26	2.26	2.26	2.27	2.27	2.27	2.27	2.27

I2	10	634	2.27	2.27	2.27	2.27	2.28	2.28	2.28	2.28	2.28	2.28
I2	10	644	2.28	2.28	2.28	2.28	2.29	2.29	2.29	2.29	2.29	2.29
I2	10	654	2.29	2.29	2.29	2.30	2.30	2.30	2.30	2.30	2.30	2.30
I2	10	664	2.30	2.30	2.31	2.31	2.31	2.31	2.31	2.31	2.32	2.32
I2	10	674	2.32	2.32	2.32	2.32	2.12	2.12	2.12	2.12	2.12	2.12
I2	10	684	2.12	2.12	2.12	2.12	2.13	2.13	2.13	2.13	2.13	2.13
I2	10	694	2.13	2.13	2.13	2.13	2.13	2.14	2.14	2.14	2.14	2.14
I2	10	704	2.14	2.14	2.14	2.14	2.14	2.15				
I3	12	829	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
I3	12	839	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
I3	12	849	2.10	2.10	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11
I3	12	859	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11
I3	12	869	2.11	2.11	2.11	2.11	2.12	2.12	2.12	2.12	2.12	2.12
I4	16	1047	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82
I4	16	1057	1.82	1.82	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.83
I4	16	1067	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
I4	16	1077	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
I4	16	1087	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
I4	16	1097	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.84
I4	16	1107	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
I4	16	1117	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
I4	16	1127	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.85
I4	16	1137	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
I4	16	1147	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	
P1	3	126	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
P1	3	136	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
P1	3	146	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
P1	3	156	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
P1	3	166	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
P1	3	176	4.79	4.79	4.79	4.79	4.79	4.79	4.79			
P2	4	183	4.78	4.77	4.76	4.75	4.74	4.73	4.72	4.71	4.69	4.68
P2	4	193	4.67	4.67	4.66	4.65	4.64	4.63	4.62	4.61	4.60	4.59
P2	4	203	4.58	4.57	4.56	4.55	4.54	4.53	4.52	4.51	4.51	4.50
P2	4	213	4.49	4.48	4.47	4.46	4.45	4.44	4.43	4.43	4.42	4.41
P2	4	223	4.40	4.39	4.38	4.38	4.37	4.36				
C1	6	272	0.52	0.53	0.55	0.56	0.57	0.58	0.59	0.59	0.60	0.60
C1	6	282	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64
C1	6	292	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66
C1	6	302	0.66	0.66	0.66							
C2	7	305	2.34	2.29	2.25	2.20	2.15	2.10	2.05	2.00	1.96	1.91
C2	7	315	1.86	1.81	1.77	1.72	1.67	1.62	1.58	1.53	1.48	1.44
C2	7	325	1.39	1.34	1.30	1.25	1.20	1.16	1.11	1.06	1.02	0.97
C2	7	335	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90
C2	7	345	0.89	0.89								
I1	9	420	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02
I1	9	430	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
I1	9	440	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
I1	9	450	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03
I1	9	460	2.03	2.03	2.03	2.05	2.05	2.05	2.05	2.05	2.05	2.05
I1	9	470	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06

I1	9	480	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
I1	9	490	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
I1	9	500	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
I1	9	510	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
I1	9	520	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08
I1	9	530	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
I1	9	540	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
I1	9	550	2.12	2.12	2.12	2.12						
BP	11	710	1.83	1.82	1.81	1.80	1.78	1.77	1.76	1.75	1.74	1.73
BP	11	720	1.72	1.71	1.70	1.69	1.68	1.67	1.66	1.65	1.64	1.63
BP	11	730	1.62	1.61	1.60	1.60	1.59	1.58	1.57	1.56	1.55	1.72
BP	11	740	1.71	1.70	1.70	1.69	1.68	1.68	1.67	1.66	1.65	1.65
BP	11	750	1.64	1.63	1.63	1.62	1.61	1.61	1.60	1.59	1.59	1.58
BP	11	760	1.58	1.57	1.56	1.56	1.55	1.55	1.54	1.54	1.53	1.53
BP	11	770	1.52	1.52	1.51	1.51	1.50	1.50	1.49	1.49	1.48	1.49
BP	11	780	1.48	1.48	1.47	1.47	1.47	1.46	1.46	1.46	1.45	1.45
BP	11	790	1.45	1.44	1.44	1.44	1.43	1.43	1.43	1.43	1.42	1.42
BP	11	800	1.42	1.42	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.40
BP	11	810	1.40	1.40	1.40	1.39	1.39	1.39	1.39	1.39	1.39	1.39
BP	11	820	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.38	1.38	
U1	13	879	2.19	2.18	2.18	2.18	2.17	2.17	2.16	2.16	2.16	2.15
U1	13	889	2.15	2.15	2.14	2.14	2.14	2.13	2.13	2.12	2.12	2.12
U1	13	899	2.11	2.11	2.10	2.10	2.10	2.09	2.09	2.09	1.81	1.81
U1	13	909	1.80	1.80	1.80	1.79	1.79	1.79	1.78	1.78	1.78	1.78
U1	13	919	1.77	1.77	1.77	1.76	1.76	1.76	1.75	1.75	1.75	1.74
U1	13	929	1.74	1.74	1.73	1.73	1.73	1.72	1.72	1.72	1.71	1.71
U1	13	939	1.71	1.70	1.70	1.70	1.69	1.69	1.69	1.68	1.68	1.68
U1	13	949	1.67	1.67	1.67	1.66	1.66	1.66	1.65	1.65	1.65	1.64
U1	13	959	1.64	1.64	1.63	1.63						
U2	15	1007	1.31	1.31	1.31	1.31	1.30	1.30	1.30	1.30	1.30	1.30
U2	15	1017	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28
U2	15	1027	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
U2	15	1037	1.28	1.28	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
LF	14	963	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
LF	14	973	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
LF	14	983	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
LF	14	993	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61
LF	14	1003	0.61	0.61	0.61	0.61						

INTERMEDIATE REPORT
Chlorophyll a
µg/L

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	1.53	3.07	4.60	6.14	7.67	9.21	10.74	12.28	13.81	15.35
CH	5	239	16.88	18.42	19.95	21.49	23.02	24.56	26.09	27.63	29.16	30.70
CH	5	249	32.23	33.77	35.30	36.84	38.37	39.91	41.44	42.98	44.51	46.05
CH	5	259	47.58	49.12	50.65	52.19	53.72	55.26	56.79	58.33	59.86	61.40
CH	5	269	62.93	64.47	66.00							
CW	8	347	65.10	64.19	63.29	62.38	61.48	60.58	59.67	58.77	57.86	56.96
CW	8	357	56.05	55.15	54.25	53.34	52.44	51.53	50.63	49.73	48.82	47.92
CW	8	367	47.01	46.11	45.21	44.30	43.40	42.49	41.59	40.68	39.78	38.88
CW	8	377	37.97	37.07	36.16	35.26	34.36	33.45	32.55	31.64	30.74	29.84
CW	8	387	28.93	28.03	27.12	26.22	25.32	24.41	23.51	22.60	21.70	20.79
CW	8	397	19.89	18.99	18.08	17.18	16.27	15.37	14.47	13.56	12.66	11.75
CW	8	407	10.85	9.95	9.04	8.14	7.23	6.33	5.42	4.52	3.62	2.71
CW	8	417	1.81	0.90	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	1.57	3.14	4.71	6.29	7.86	9.43	11.00	12.57	14.14	15.71
C2	7	315	17.29	18.86	20.43	22.00	23.57	25.14	26.71	28.29	29.86	31.43
C2	7	325	33.00	34.57	36.14	37.71	39.29	40.86	42.43	44.00	45.57	47.14
C2	7	335	48.71	50.29	51.86	53.43	55.00	56.57	58.14	59.71	61.29	62.86
C2	7	345	64.43	66.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	470	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	550	0.00	0.00	0.00	0.00						
BP	11	710	57.51	57.03	56.54	56.05	55.56	55.08	54.59	54.10	53.61	53.13
BP	11	720	52.64	52.15	51.66	51.18	50.69	50.20	49.71	49.23	48.74	48.25
BP	11	730	47.76	47.28	46.79	46.30	45.82	45.33	44.84	44.35	43.87	43.38
BP	11	740	42.89	42.40	41.92	41.43	40.94	40.45	39.97	39.48	38.99	38.50
BP	11	750	38.02	37.53	37.04	36.55	36.07	35.58	35.09	34.61	34.12	33.63
BP	11	760	33.14	32.66	32.17	31.68	31.19	30.71	30.22	29.73	29.24	28.76
BP	11	770	28.27	27.78	27.29	26.81	26.32	25.83	25.34	24.86	24.37	23.88
BP	11	780	23.39	22.91	22.42	21.93	21.45	20.96	20.47	19.98	19.50	19.01
BP	11	790	18.52	18.03	17.55	17.06	16.57	16.08	15.60	15.11	14.62	14.13
BP	11	800	13.65	13.16	12.67	12.18	11.70	11.21	10.72	10.24	9.75	9.26
BP	11	810	8.77	8.29	7.80	7.31	6.82	6.34	5.85	5.36	4.87	4.39

BP	11	820	3.90	3.41	2.92	2.44	1.95	1.46	0.97	0.49	0.00	
U1	13	879	32.07	32.14	32.21	32.29	32.36	32.43	32.50	32.57	32.64	32.71
U1	13	889	32.79	32.86	32.93	33.00	33.07	33.14	33.21	33.29	33.36	33.43
U1	13	899	33.50	33.57	33.64	33.71	33.79	33.86	33.93	34.00	34.07	34.14
U1	13	909	34.21	34.29	34.36	34.43	34.50	34.57	34.64	34.71	34.79	34.86
U1	13	919	34.93	35.00	35.07	35.14	35.21	35.29	35.36	35.43	35.50	35.57
U1	13	929	35.64	35.71	35.79	35.86	35.93	36.00	36.07	36.14	36.21	36.29
U1	13	939	36.36	36.43	36.50	36.57	36.64	36.71	36.79	36.86	36.93	37.00
U1	13	949	37.07	37.14	37.21	37.29	37.36	37.43	37.50	37.57	37.64	37.71
U1	13	959	37.79	37.86	37.93	38.00						
U2	15	1007	37.05	36.10	35.15	34.20	33.25	32.30	31.35	30.40	29.45	28.50
U2	15	1017	27.55	26.60	25.65	24.70	23.75	22.80	21.85	20.90	19.95	19.00
U2	15	1027	18.05	17.10	16.15	15.20	14.25	13.30	12.35	11.40	10.45	9.50
U2	15	1037	8.55	7.60	6.65	5.70	4.75	3.80	2.85	1.90	0.95	0.00
LF	14	963	0.86	1.73	2.59	3.45	4.32	5.18	6.05	6.91	7.77	8.64
LF	14	973	9.50	10.36	11.23	12.09	12.95	13.82	14.68	15.55	16.41	17.27
LF	14	983	18.14	19.00	19.86	20.73	21.59	22.45	23.32	24.18	25.05	25.91
LF	14	993	26.77	27.64	28.50	29.36	30.23	31.09	31.95	32.82	33.68	34.55
LF	14	1003	35.41	36.27	37.14	38.00						

INTERMEDIATE REPORT
Temperature
deg C

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B1	1	11	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B1	1	21	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	31	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	41	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	51	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	61	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	71	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	81	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	91	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	101	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	111	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
B2	2	121	30.00	30.00	30.00	30.00	30.00					
CH	5	229	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	239	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	249	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	259	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CH	5	269	30.00	30.00	30.00							
CW	8	347	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	357	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	367	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	377	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

CW	8	387	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	397	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	407	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
CW	8	417	30.00	30.00	30.00							
I2	10	554	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	564	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	574	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	584	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	594	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	604	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	614	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	624	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	634	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	644	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	654	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	664	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	674	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	684	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	694	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I2	10	704	30.00	30.00	30.00	30.00	30.00	30.00				
I3	12	829	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	839	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	849	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	859	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I3	12	869	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1047	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1057	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1067	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1077	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1087	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1097	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1107	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1117	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1127	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1137	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I4	16	1147	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
P1	3	126	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	136	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	146	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	156	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	166	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P1	3	176	30.00	30.00	30.00	30.00	30.00	30.00	30.00			
P2	4	183	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	193	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	203	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	213	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
P2	4	223	30.00	30.00	30.00	30.00	30.00	30.00				
C1	6	272	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C1	6	282	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C1	6	292	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

C1	6	302	30.00	30.00	30.00							
C2	7	305	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	315	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	325	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	335	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
C2	7	345	30.00	30.00								
I1	9	420	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	430	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	440	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	450	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	460	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	470	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	480	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	490	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	500	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	510	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	520	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	530	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	540	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
I1	9	550	30.00	30.00	30.00	30.00						
BP	11	710	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	720	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	730	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	740	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	750	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	760	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	770	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	780	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	790	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	800	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	810	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
BP	11	820	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
U1	13	879	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	889	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	899	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	909	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	919	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	929	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	939	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	949	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U1	13	959	30.00	30.00	30.00	30.00						
U2	15	1007	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1017	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1027	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
U2	15	1037	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	963	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	973	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	983	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	993	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
LF	14	1003	30.00	30.00	30.00	30.00						

INTERMEDIATE REPORT

Salinity
ppt

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	239	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	249	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	259	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	269	0.00	0.00	0.00							
CW	8	347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	357	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	367	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	397	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	417	0.00	0.00	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	345	0.00	0.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	470	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	530	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I1	9	550	0.00	0.00	0.00	0.00						
BP	11	710	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	720	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	730	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	740	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	770	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	790	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	810	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP	11	820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
U1	13	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	919	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	929	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	939	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U1	13	959	0.00	0.00	0.00	0.00						
U2	15	1007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
U2	15	1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	963	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	973	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LF	14	1003	0.00	0.00	0.00	0.00						

INTERMEDIATE REPORT

River Distance
km

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	56.	55.	55.	55.	55.	55.	55.	55.	55.	55.
B1	1	11	55.	54.	54.	54.	54.	54.	54.	54.	54.	54.
B1	1	21	54.	53.	53.	53.	53.	53.	53.	53.	53.	53.
B2	2	31	52.	52.	52.	52.	52.	52.	52.	52.	52.	52.
B2	2	41	52.	51.	51.	51.	51.	51.	51.	51.	51.	51.
B2	2	51	51.	50.	50.	50.	50.	50.	50.	50.	50.	50.
B2	2	61	50.	49.	49.	49.	49.	49.	49.	49.	49.	49.
B2	2	71	49.	48.	48.	48.	48.	48.	48.	48.	48.	48.
B2	2	81	48.	47.	47.	47.	47.	47.	47.	47.	47.	47.
B2	2	91	47.	46.	46.	46.	46.	46.	46.	46.	46.	46.

B2	2	101	46.	45.	45.	45.	45.	45.	45.	45.	45.	45.
B2	2	111	45.	44.	44.	44.	44.	44.	44.	44.	44.	44.
B2	2	121	44.	43.	43.	43.	43.					
CH	5	229	43.	43.	43.	43.	43.	43.	42.	42.	42.	42.
CH	5	239	42.	42.	42.	42.	42.	42.	41.	41.	41.	41.
CH	5	249	41.	41.	41.	41.	41.	41.	40.	40.	40.	40.
CH	5	259	40.	40.	40.	40.	40.	40.	39.	39.	39.	39.
CH	5	269	39.	39.	39.							
CW	8	347	39.	39.	39.	38.	38.	38.	38.	38.	38.	38.
CW	8	357	38.	38.	38.	37.	37.	37.	37.	37.	37.	37.
CW	8	367	37.	37.	37.	36.	36.	36.	36.	36.	36.	36.
CW	8	377	36.	36.	36.	35.	35.	35.	35.	35.	35.	35.
CW	8	387	35.	35.	35.	34.	34.	34.	34.	34.	34.	34.
CW	8	397	34.	34.	34.	33.	33.	33.	33.	33.	33.	33.
CW	8	407	33.	33.	33.	32.	32.	32.	32.	32.	32.	32.
CW	8	417	32.	32.	32.							
I2	10	554	31.	31.	31.	31.	31.	31.	31.	31.	31.	30.
I2	10	564	30.	30.	30.	30.	30.	30.	30.	30.	30.	29.
I2	10	574	29.	29.	29.	29.	29.	29.	29.	29.	29.	28.
I2	10	584	28.	28.	28.	28.	28.	28.	28.	28.	28.	27.
I2	10	594	27.	27.	27.	27.	27.	27.	27.	27.	27.	26.
I2	10	604	26.	26.	26.	26.	26.	26.	26.	26.	26.	25.
I2	10	614	25.	25.	25.	25.	25.	25.	25.	25.	25.	24.
I2	10	624	24.	24.	24.	24.	24.	24.	24.	24.	24.	23.
I2	10	634	23.	23.	23.	23.	23.	23.	23.	23.	23.	22.
I2	10	644	22.	22.	22.	22.	22.	22.	22.	22.	22.	21.
I2	10	654	21.	21.	21.	21.	21.	21.	21.	21.	21.	20.
I2	10	664	20.	20.	20.	20.	20.	20.	20.	20.	20.	19.
I2	10	674	19.	19.	19.	19.	19.	19.	19.	19.	19.	18.
I2	10	684	18.	18.	18.	18.	18.	18.	18.	18.	18.	17.
I2	10	694	17.	17.	17.	17.	17.	17.	17.	17.	17.	16.
I2	10	704	16.	16.	16.	16.	16.	16.				
I3	12	829	16.	16.	16.	15.	15.	15.	15.	15.	15.	15.
I3	12	839	15.	15.	15.	14.	14.	14.	14.	14.	14.	14.
I3	12	849	14.	14.	14.	13.	13.	13.	13.	13.	13.	13.
I3	12	859	13.	13.	13.	12.	12.	12.	12.	12.	12.	12.
I3	12	869	12.	12.	12.	11.	11.	11.	11.	11.	11.	11.
I4	16	1047	11.	11.	11.	10.	10.	10.	10.	10.	10.	10.
I4	16	1057	10.	10.	10.	9.	9.	9.	9.	9.	9.	9.
I4	16	1067	9.	9.	9.	8.	8.	8.	8.	8.	8.	8.
I4	16	1077	8.	8.	8.	7.	7.	7.	7.	7.	7.	7.
I4	16	1087	7.	7.	7.	6.	6.	6.	6.	6.	6.	6.
I4	16	1097	6.	6.	6.	5.	5.	5.	5.	5.	5.	5.
I4	16	1107	5.	5.	5.	4.	4.	4.	4.	4.	4.	4.
I4	16	1117	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.
I4	16	1127	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.
I4	16	1137	2.	2.	2.	1.	1.	1.	1.	1.	1.	1.
I4	16	1147	1.	1.	1.	0.	0.	0.	0.	0.	0.	
P1	3	126	10.	10.	10.	10.	10.	10.	10.	9.	9.	9.
P1	3	136	9.	9.	9.	9.	9.	9.	9.	8.	8.	8.

P1	3	146	8.	8.	8.	8.	8.	8.	8.	7.	7.	7.
P1	3	156	7.	7.	7.	7.	7.	7.	7.	6.	6.	6.
P1	3	166	6.	6.	6.	6.	6.	6.	6.	5.	5.	5.
P1	3	176	5.	5.	5.	5.	5.	5.	5.			
P2	4	183	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
P2	4	193	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.
P2	4	203	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.
P2	4	213	2.	1.	1.	1.	1.	1.	1.	1.	1.	1.
P2	4	223	1.	0.	0.	0.	0.	0.				
C1	6	272	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.
C1	6	282	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.
C1	6	292	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
C1	6	302	4.	4.	4.							
C2	7	305	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.
C2	7	315	3.	3.	3.	3.	3.	3.	3.	2.	2.	2.
C2	7	325	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.
C2	7	335	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.
C2	7	345	0.	0.								
I1	9	420	13.	13.	13.	13.	13.	13.	13.	13.	12.	12.
I1	9	430	12.	12.	12.	12.	12.	12.	12.	12.	11.	11.
I1	9	440	11.	11.	11.	11.	11.	11.	11.	11.	10.	10.
I1	9	450	10.	10.	10.	10.	10.	10.	10.	10.	9.	9.
I1	9	460	9.	9.	9.	9.	9.	9.	9.	9.	8.	8.
I1	9	470	8.	8.	8.	8.	8.	8.	8.	8.	7.	7.
I1	9	480	7.	7.	7.	7.	7.	7.	7.	7.	6.	6.
I1	9	490	6.	6.	6.	6.	6.	6.	6.	6.	5.	5.
I1	9	500	5.	5.	5.	5.	5.	5.	5.	5.	4.	4.
I1	9	510	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.
I1	9	520	3.	3.	3.	3.	3.	3.	3.	3.	2.	2.
I1	9	530	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.
I1	9	540	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.
I1	9	550	0.	0.	0.	0.						
BP	11	710	12.	12.	12.	11.	11.	11.	11.	11.	11.	11.
BP	11	720	11.	11.	11.	10.	10.	10.	10.	10.	10.	10.
BP	11	730	10.	10.	10.	9.	9.	9.	9.	9.	9.	9.
BP	11	740	9.	9.	9.	8.	8.	8.	8.	8.	8.	8.
BP	11	750	8.	8.	8.	7.	7.	7.	7.	7.	7.	7.
BP	11	760	7.	7.	7.	6.	6.	6.	6.	6.	6.	6.
BP	11	770	6.	6.	6.	5.	5.	5.	5.	5.	5.	5.
BP	11	780	5.	5.	5.	4.	4.	4.	4.	4.	4.	4.
BP	11	790	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.
BP	11	800	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.
BP	11	810	2.	2.	2.	1.	1.	1.	1.	1.	1.	1.
BP	11	820	1.	1.	1.	0.	0.	0.	0.	0.	0.	
U1	13	879	12.	12.	12.	12.	12.	12.	12.	12.	11.	11.
U1	13	889	11.	11.	11.	11.	11.	11.	11.	11.	10.	10.
U1	13	899	10.	10.	10.	10.	10.	10.	10.	10.	9.	9.
U1	13	909	9.	9.	9.	9.	9.	9.	9.	9.	8.	8.
U1	13	919	8.	8.	8.	8.	8.	8.	8.	8.	7.	7.
U1	13	929	7.	7.	7.	7.	7.	7.	7.	7.	6.	6.

U1	13	939	6.	6.	6.	6.	6.	6.	6.	6.	5.	5.
U1	13	949	5.	5.	5.	5.	5.	5.	5.	5.	4.	4.
U1	13	959	4.	4.	4.	4.						
U2	15	1007	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.
U2	15	1017	3.	3.	3.	3.	3.	2.	2.	2.	2.	2.
U2	15	1027	2.	2.	2.	2.	2.	1.	1.	1.	1.	1.
U2	15	1037	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
LF	14	963	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.
LF	14	973	3.	3.	3.	3.	3.	3.	3.	3.	3.	2.
LF	14	983	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.
LF	14	993	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.
LF	14	1003	0.	0.	0.	0.						

INTERMEDIATE REPORT

Flow
m^3/s

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
B1	1	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
B1	1	21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
B2	2	31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
B2	2	41	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B2	2	51	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
B2	2	61	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
B2	2	71	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
B2	2	81	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
B2	2	91	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
B2	2	101	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
B2	2	111	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
B2	2	121	0.7	0.7	0.7	0.7	0.7					
CH	5	229	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CH	5	239	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CH	5	249	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CH	5	259	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CH	5	269	2.6	2.6	2.6							
CW	8	347	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
CW	8	357	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.9
CW	8	367	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CW	8	377	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CW	8	387	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CW	8	397	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CW	8	407	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
CW	8	417	2.9	2.9	2.9							
I2	10	554	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	564	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	574	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

I2	10	584	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	594	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	604	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	614	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	624	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	634	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	644	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	654	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	664	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
I2	10	674	10.5	10.5	10.5	10.5	11.8	11.8	11.8	11.8	11.8	11.8
I2	10	684	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
I2	10	694	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
I2	10	704	11.8	11.8	11.8	11.8	11.8	11.8				
I3	12	829	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
I3	12	839	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
I3	12	849	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
I3	12	859	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
I3	12	869	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
I4	16	1047	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1057	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1067	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1077	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1087	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1097	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1107	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1117	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1127	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1137	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
I4	16	1147	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	
P1	3	126	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P1	3	136	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P1	3	146	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P1	3	156	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P1	3	166	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P1	3	176	1.4	1.4	1.4	1.4	1.4	1.4	1.4			
P2	4	183	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P2	4	193	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5
P2	4	203	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
P2	4	213	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
P2	4	223	1.6	1.6	1.6	1.6	1.6	1.6				
C1	6	272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	282	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	292	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	302	0.0	0.0	0.0							
C2	7	305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	315	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	325	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	335	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	345	0.0	0.0								
I1	9	420	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

I1	9	430	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	440	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	450	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	460	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	470	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	480	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	490	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	510	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	520	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	530	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	540	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
I1	9	550	7.6	7.6	7.6	7.6						
BP	11	710	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	720	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	730	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	740	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	750	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	760	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	770	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	780	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	790	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	800	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	810	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
BP	11	820	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
U1	13	879	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
U1	13	889	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
U1	13	899	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
U1	13	909	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
U1	13	919	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
U1	13	929	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
U1	13	939	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
U1	13	949	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
U1	13	959	4.9	4.9	4.9	4.9						
U2	15	1007	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
U2	15	1017	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
U2	15	1027	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
U2	15	1037	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
LF	14	963	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
LF	14	973	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
LF	14	983	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
LF	14	993	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
LF	14	1003	2.0	2.0	2.0	2.0						

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B1	1	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B1	1	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	121	0.0	0.0	0.0	0.0	0.0					
CH	5	229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	239	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	249	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	259	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	269	0.0	0.0	0.0							
CW	8	347	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	357	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	377	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	387	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	397	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	417	0.0	0.0	0.0							
I2	10	554	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	564	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	574	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	584	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	594	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	604	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	614	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	624	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	634	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	664	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	674	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	684	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	694	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	704	0.0	0.0	0.0	0.0	0.0	0.0				
I3	12	829	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	839	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	849	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	859	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	869	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

I4	16	1057	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1077	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1097	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1127	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1137	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
P1	3	126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P1	3	136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P1	3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P1	3	156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P1	3	166	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P1	3	176	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
P2	4	183	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2	4	193	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2	4	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2	4	213	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2	4	223	0.0	0.0	0.0	0.0	0.0	0.0				
C1	6	272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	282	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	292	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	302	0.0	0.0	0.0							
C2	7	305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	315	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	325	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	335	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	345	0.0	0.0								
I1	9	420	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	430	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	440	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	450	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	460	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	470	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	480	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	490	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	540	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	550	0.0	0.0	0.0	0.0						
BP	11	710	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	730	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	740	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	760	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BP	11	770	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	780	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	790	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	820	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U1	13	879	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	889	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	899	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	909	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	919	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	929	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	959	0.0	0.0	0.0	0.0						
U2	15	1007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U2	15	1017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U2	15	1027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U2	15	1037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	1003	0.0	0.0	0.0	0.0						

INTERMEDIATE REPORT
Advective Velocity
m/s

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
B1	1	11	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
B1	1	21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
B2	2	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B2	2	91	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
B2	2	101	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
B2	2	111	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
B2	2	121	0.1	0.1	0.1	0.1	0.1					
CH	5	229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	239	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	249	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CH	5	259	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CH	5	269	0.0	0.0	0.0							
CW	8	347	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	357	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	377	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	387	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	397	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CW	8	417	0.0	0.0	0.0							
I2	10	554	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	564	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	574	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	584	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	594	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	604	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	614	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	624	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	634	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	654	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	664	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I2	10	674	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
I2	10	684	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I2	10	694	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I2	10	704	0.1	0.1	0.1	0.1	0.1	0.1				
I3	12	829	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	839	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	849	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	859	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I3	12	869	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I4	16	1047	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1057	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1067	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1077	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1087	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1097	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1107	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1117	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1127	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1137	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
I4	16	1147	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
P1	3	126	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	136	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	146	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	156	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	166	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	176	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
P2	4	183	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P2	4	193	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P2	4	203	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

P2	4	213	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P2	4	223	0.3	0.3	0.3	0.3	0.3	0.3				
C1	6	272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	282	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	292	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1	6	302	0.0	0.0	0.0							
C2	7	305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	315	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	325	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	335	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	7	345	0.0	0.0								
I1	9	420	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	430	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	440	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	450	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	460	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	470	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	480	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	490	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	540	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I1	9	550	0.0	0.0	0.0	0.0						
BP	11	710	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	730	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	740	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	760	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	770	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	780	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	790	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BP	11	820	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U1	13	879	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	889	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U1	13	899	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
U1	13	909	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U1	13	919	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U1	13	929	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U1	13	939	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U1	13	949	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U1	13	959	0.1	0.1	0.1	0.1						
U2	15	1007	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U2	15	1017	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U2	15	1027	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U2	15	1037	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

LF	14	963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LF	14	1003	0.0	0.0	0.0	0.0						

INTERMEDIATE REPORT

Depth
m

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B1	1	11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B1	1	21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B2	2	31	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	41	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	51	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	61	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	71	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	81	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	91	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	101	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	111	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	121	1.0	1.0	1.0	1.0	1.0					
CH	5	229	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CH	5	239	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CH	5	249	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CH	5	259	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
CH	5	269	2.4	2.4	2.4							
CW	8	347	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	357	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	367	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	377	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	387	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	397	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	407	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
CW	8	417	2.8	2.8	2.8							
I2	10	554	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	564	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	574	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	584	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	594	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	604	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	614	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	624	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	634	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	644	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

I2	10	654	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	664	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	674	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	684	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	694	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I2	10	704	3.0	3.0	3.0	3.0	3.0	3.0				
I3	12	829	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
I3	12	839	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
I3	12	849	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
I3	12	859	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
I3	12	869	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
I4	16	1047	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1057	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1067	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1077	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1087	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1097	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1107	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1117	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1127	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1137	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
I4	16	1147	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
P1	3	126	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P1	3	136	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P1	3	146	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P1	3	156	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P1	3	166	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P1	3	176	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
P2	4	183	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P2	4	193	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P2	4	203	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P2	4	213	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P2	4	223	0.6	0.6	0.6	0.6	0.6	0.6				
C1	6	272	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C1	6	282	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C1	6	292	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C1	6	302	0.1	0.1	0.1							
C2	7	305	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
C2	7	315	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
C2	7	325	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
C2	7	335	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
C2	7	345	0.3	0.3								
I1	9	420	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	430	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	440	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	450	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	460	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	470	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	480	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	490	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

I1	9	500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	510	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	520	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	530	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	540	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
I1	9	550	3.0	3.0	3.0	3.0						
BP	11	710	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	720	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	730	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	740	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	750	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	760	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	770	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	780	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	790	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	810	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BP	11	820	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
U1	13	879	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	889	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	899	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	909	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	919	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	929	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	939	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	949	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U1	13	959	1.1	1.1	1.1	1.1						
U2	15	1007	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
U2	15	1017	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
U2	15	1027	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
U2	15	1037	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
LF	14	963	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
LF	14	973	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
LF	14	983	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
LF	14	993	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
LF	14	1003	0.8	0.8	0.8	0.8						

INTERMEDIATE REPORT

Width
m

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B1	1	11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B1	1	21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
B2	2	31	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	41	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

B2	2	51	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	61	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	71	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	81	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	91	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	101	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	111	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	121	10.0	10.0	10.0	10.0	10.0					
CH	5	229	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
CH	5	239	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
CH	5	249	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
CH	5	259	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
CH	5	269	34.0	34.0	34.0							
CW	8	347	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	357	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	367	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	377	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	387	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	397	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	407	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
CW	8	417	47.0	47.0	47.0							
I2	10	554	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	564	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	574	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	584	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	594	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	604	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	614	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	624	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	634	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	644	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	654	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	664	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	674	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	684	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	694	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I2	10	704	76.0	76.0	76.0	76.0	76.0	76.0				
I3	12	829	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
I3	12	839	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
I3	12	849	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
I3	12	859	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
I3	12	869	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
I4	16	1047	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1057	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1067	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1077	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1087	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1097	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1107	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1117	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

I4	16	1127	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1137	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
I4	16	1147	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
P1	3	126	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
P1	3	136	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
P1	3	146	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
P1	3	156	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
P1	3	166	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
P1	3	176	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
P2	4	183	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
P2	4	193	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
P2	4	203	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
P2	4	213	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
P2	4	223	8.0	8.0	8.0	8.0	8.0	8.0				
C1	6	272	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
C1	6	282	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
C1	6	292	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
C1	6	302	2.0	2.0	2.0							
C2	7	305	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C2	7	315	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C2	7	325	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C2	7	335	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C2	7	345	5.0	5.0								
I1	9	420	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	430	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	440	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	450	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	460	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	470	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	480	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	490	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	510	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	520	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	530	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	540	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
I1	9	550	76.0	76.0	76.0	76.0						
BP	11	710	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	720	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	730	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	740	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	750	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	760	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	770	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	780	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	790	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	800	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	810	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
BP	11	820	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
U1	13	879	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0

U1	13	889	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	899	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	909	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	919	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	929	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	939	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	949	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
U1	13	959	88.0	88.0	88.0	88.0						
U2	15	1007	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
U2	15	1017	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
U2	15	1027	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
U2	15	1037	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
LF	14	963	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
LF	14	973	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
LF	14	983	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
LF	14	993	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
LF	14	1003	64.0	64.0	64.0	64.0						

INTERMEDIATE REPORT
Cross-Sectional Area
m^2

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B1	1	11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B1	1	21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
B2	2	31	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	41	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	51	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	61	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	71	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	81	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	91	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	101	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	111	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
B2	2	121	10.0	10.0	10.0	10.0	10.0					
CH	5	229	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
CH	5	239	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
CH	5	249	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
CH	5	259	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
CH	5	269	81.6	81.6	81.6							
CW	8	347	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	357	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	367	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	377	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	387	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	397	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6

CW	8	407	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
CW	8	417	131.6	131.6	131.6							
I2	10	554	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	564	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	574	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	584	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	594	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	604	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	614	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	624	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	634	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	644	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	654	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	664	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	674	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	684	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	694	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I2	10	704	228.0	228.0	228.0	228.0	228.0	228.0				
I3	12	829	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
I3	12	839	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
I3	12	849	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
I3	12	859	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
I3	12	869	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
I4	16	1047	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1057	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1067	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1077	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1087	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1097	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1107	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1117	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1127	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1137	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0
I4	16	1147	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	
P1	3	126	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	136	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	146	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	156	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	166	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
P1	3	176	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
P2	4	183	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
P2	4	193	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
P2	4	203	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
P2	4	213	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
P2	4	223	4.8	4.8	4.8	4.8	4.8	4.8				
C1	6	272	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
C1	6	282	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
C1	6	292	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
C1	6	302	0.2	0.2	0.2							
C2	7	305	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

C2	7	315	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
C2	7	325	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
C2	7	335	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
C2	7	345	1.5	1.5								
I1	9	420	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	430	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	440	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	450	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	460	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	470	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	480	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	490	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	500	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	510	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	520	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	530	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	540	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
I1	9	550	228.0	228.0	228.0	228.0						
BP	11	710	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	720	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	730	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	740	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	750	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	760	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	770	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	780	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	790	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	800	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	810	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
BP	11	820	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	
U1	13	879	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	889	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	899	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	909	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	919	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	929	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	939	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	949	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
U1	13	959	96.8	96.8	96.8	96.8						
U2	15	1007	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
U2	15	1017	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
U2	15	1027	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
U2	15	1037	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
LF	14	963	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
LF	14	973	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
LF	14	983	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
LF	14	993	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
LF	14	1003	51.2	51.2	51.2	51.2						

INTERMEDIATE REPORT

Reaeration Rate
per day

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
B1	1	11	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
B1	1	21	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
B2	2	31	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	41	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	51	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
B2	2	61	0.842	0.842	0.842	0.842	0.842	0.842	0.849	0.858	0.866	0.873
B2	2	71	0.881	0.889	0.897	0.904	0.912	0.920	0.927	0.934	0.942	0.949
B2	2	81	0.956	0.963	0.971	0.978	0.985	0.992	0.998	1.005	1.012	1.019
B2	2	91	1.026	1.032	1.039	1.046	1.052	1.059	1.065	1.072	1.078	1.084
B2	2	101	1.091	1.097	1.103	1.110	1.116	1.122	1.128	1.134	1.140	1.146
B2	2	111	1.152	1.158	1.164	1.170	1.176	1.182	1.187	1.193	1.199	1.205
B2	2	121	1.210	1.216	1.222	1.227	1.233					
CH	5	229	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	239	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	249	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	259	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
CH	5	269	0.351	0.351	0.351							
CW	8	347	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	357	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	367	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	377	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	387	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	397	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	407	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
CW	8	417	0.301	0.301	0.301							
I2	10	554	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	564	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	574	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	584	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	594	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	604	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	614	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	624	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	634	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	644	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	654	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	664	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	674	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	684	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	694	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I2	10	704	0.281	0.281	0.281	0.281	0.281	0.281				
I3	12	829	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263

I3	12	839	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	849	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	859	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I3	12	869	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
I4	16	1047	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1057	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1067	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1077	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1087	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1097	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1107	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1117	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1127	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1137	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
I4	16	1147	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
P1	3	126	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	136	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	146	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	156	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	166	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
P1	3	176	12.029	12.029	12.029	12.029	12.029	12.029	12.029			
P2	4	183	5.466	5.475	5.483	5.494	5.503	5.511	5.519	5.527	5.535	5.543
P2	4	193	5.551	5.559	5.567	5.575	5.583	5.591	5.599	5.607	5.615	5.623
P2	4	203	5.631	5.638	5.646	5.654	5.662	5.670	5.678	5.685	5.693	5.701
P2	4	213	5.709	5.716	5.724	5.732	5.740	5.747	5.755	5.763	5.770	5.778
P2	4	223	5.786	5.793	5.801	5.809	5.816	5.824				
C1	6	272	8.420	8.420	8.437	8.733	9.019	9.297	9.566	9.828	10.084	10.333
C1	6	282	10.576	10.814	11.046	11.274	11.497	11.716	11.931	12.029	12.029	12.029
C1	6	292	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029	12.029
C1	6	302	12.029	12.029	12.029							
C2	7	305	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	315	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	325	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	335	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807	2.807
C2	7	345	2.807	2.807								
I1	9	420	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	430	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	440	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	450	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	460	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	470	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	480	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	490	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	500	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	510	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	520	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	530	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	540	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
I1	9	550	0.281	0.281	0.281	0.281						
BP	11	710	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765

BP	11	720	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	730	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	740	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	750	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	760	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	770	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	780	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	790	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	800	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	810	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
BP	11	820	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	
U1	13	879	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827
U1	13	889	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827
U1	13	899	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.827	0.923	0.923
U1	13	909	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
U1	13	919	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
U1	13	929	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
U1	13	939	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
U1	13	949	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923	0.923
U1	13	959	0.923	0.923	0.923	0.923						
U2	15	1007	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932
U2	15	1017	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932
U2	15	1027	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932
U2	15	1037	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932
LF	14	963	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
LF	14	973	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
LF	14	983	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
LF	14	993	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
LF	14	1003	1.297	1.297	1.297	1.297						

INTERMEDIATE REPORT
BOD Decay Rate
per day

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B1	1	11	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B1	1	21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	31	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	41	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	51	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	61	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	71	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	81	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	91	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	101	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
B2	2	111	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21

B2	2	121	0.21	0.21	0.21	0.21	0.21					
CH	5	229	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	239	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	249	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	259	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CH	5	269	0.17	0.17	0.17							
CW	8	347	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	357	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	367	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	377	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	387	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	397	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	407	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
CW	8	417	0.17	0.17	0.17							
I2	10	554	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	564	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	574	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	584	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	594	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	604	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	614	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	624	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	634	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	644	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	654	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	664	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	674	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	684	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	694	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I2	10	704	0.21	0.21	0.21	0.21	0.21	0.21				
I3	12	829	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	839	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	849	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	859	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I3	12	869	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1047	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1057	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1067	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1077	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1087	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1097	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1107	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1117	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1127	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1137	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
I4	16	1147	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	
P1	3	126	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	136	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	146	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	156	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16

P1	3	166	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P1	3	176	0.16	0.16	0.16	0.16	0.16	0.16	0.16			
P2	4	183	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	193	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	203	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	213	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
P2	4	223	0.16	0.16	0.16	0.16	0.16	0.16				
C1	6	272	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	282	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	292	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C1	6	302	0.21	0.21	0.21							
C2	7	305	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	315	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	325	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	335	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
C2	7	345	0.21	0.21								
I1	9	420	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	430	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	440	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	450	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	460	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	470	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	480	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	490	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	500	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	510	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	520	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	530	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	540	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
I1	9	550	0.21	0.21	0.21	0.21						
BP	11	710	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	720	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	730	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	740	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	750	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	760	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	770	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	780	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	790	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	800	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	810	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
BP	11	820	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
U1	13	879	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	889	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	899	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	909	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	919	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	929	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	939	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U1	13	949	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47

U1	13	959	0.47	0.47	0.47	0.47						
U2	15	1007	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1017	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1027	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
U2	15	1037	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	963	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	973	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	983	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	993	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
LF	14	1003	0.47	0.47	0.47	0.47						

INTERMEDIATE REPORT
BOD Settling Rate
per day

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B2	2	121	0.00	0.00	0.00	0.00	0.00					
CH	5	229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	239	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	249	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	259	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CH	5	269	0.00	0.00	0.00							
CW	8	347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	357	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	367	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	377	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	387	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	397	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	407	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CW	8	417	0.00	0.00	0.00							
I2	10	554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	564	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	574	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	584	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	594	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I2	10	604	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	634	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	664	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	684	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	694	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I2	10	704	0.00	0.00	0.00	0.00	0.00	0.00				
I3	12	829	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	839	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I3	12	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1047	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1057	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1087	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1097	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I4	16	1147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
P1	3	126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P1	3	176	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
P2	4	183	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	203	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	213	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P2	4	223	0.00	0.00	0.00	0.00	0.00	0.00				
C1	6	272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	282	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	292	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	6	302	0.00	0.00	0.00							
C2	7	305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2	7	345	0.00	0.00								
I1	9	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I1	9	440	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

INTERMEDIATE REPORT
Ammonia Decay Rate
per day

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

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

B1	1	1	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42
B1	1	11	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
B1	1	21	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43
B2	2	31	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41
B2	2	41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	51	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	61	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	71	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	81	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	91	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	101	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	111	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
B2	2	121	0.41	0.41	0.41	0.41	0.41					
CH	5	229	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41
CH	5	239	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
CH	5	249	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42
CH	5	259	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43
CH	5	269	0.43	0.43	0.43							
CW	8	347	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	357	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	367	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	377	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	387	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	397	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	407	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
CW	8	417	0.44	0.44	0.44							
I2	10	554	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I2	10	564	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I2	10	574	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	584	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	594	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	604	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	614	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	624	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
I2	10	634	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	644	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	654	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	664	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	674	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	684	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	694	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I2	10	704	0.41	0.41	0.41	0.41	0.41	0.41				
I3	12	829	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	839	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	849	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	859	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I3	12	869	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1047	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1057	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1067	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

I4	16	1077	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1087	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1097	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1107	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1117	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1127	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1137	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
I4	16	1147	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	
P1	3	126	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
P1	3	136	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
P1	3	146	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
P1	3	156	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P1	3	166	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P1	3	176	0.42	0.42	0.42	0.42	0.42	0.42	0.42			
P2	4	183	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P2	4	193	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P2	4	203	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P2	4	213	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
P2	4	223	0.42	0.42	0.42	0.42	0.42	0.42				
C1	6	272	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42
C1	6	282	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C1	6	292	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C1	6	302	0.42	0.42	0.42							
C2	7	305	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
C2	7	315	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
C2	7	325	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43
C2	7	335	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
C2	7	345	0.43	0.43								
I1	9	420	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
I1	9	430	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	440	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	450	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	460	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	470	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	480	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	490	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	500	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	510	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	520	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	530	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	540	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
I1	9	550	0.43	0.43	0.43	0.43						
BP	11	710	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43
BP	11	720	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	730	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	740	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	750	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	760	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	770	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	780	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44

BP	11	790	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	800	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
BP	11	810	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43
BP	11	820	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	
U1	13	879	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
U1	13	889	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
U1	13	899	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
U1	13	909	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42
U1	13	919	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
U1	13	929	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
U1	13	939	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43
U1	13	949	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
U1	13	959	0.43	0.43	0.43	0.43						
U2	15	1007	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
U2	15	1017	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
U2	15	1027	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
U2	15	1037	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
LF	14	963	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
LF	14	973	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
LF	14	983	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
LF	14	993	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42
LF	14	1003	0.42	0.42	0.42	0.42						

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

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

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
B1	1	1	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B1	1	11	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B1	1	21	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	41	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	51	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	61	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	71	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	81	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	91	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	101	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	111	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
B2	2	121	1.31	1.31	1.31	1.31	1.31					
CH	5	229	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CH	5	239	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CH	5	249	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CH	5	259	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CH	5	269	1.88	1.88	1.88							
CW	8	347	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88

CW	8	357	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	367	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	377	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	387	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	397	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	407	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
CW	8	417	1.88	1.88	1.88							
I2	10	554	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	564	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	574	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	584	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	594	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	604	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	614	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	624	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	634	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	644	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	654	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	664	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	674	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	684	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	694	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
I2	10	704	1.88	1.88	1.88	1.88	1.88	1.88				
I3	12	829	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I3	12	839	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I3	12	849	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I3	12	859	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I3	12	869	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1047	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1057	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1067	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1077	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1087	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1097	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1107	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1117	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1127	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1137	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
I4	16	1147	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	
P1	3	126	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
P1	3	136	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
P1	3	146	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
P1	3	156	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
P1	3	166	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
P1	3	176	1.88	1.88	1.88	1.88	1.88	1.88	1.88			
P2	4	183	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
P2	4	193	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
P2	4	203	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
P2	4	213	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
P2	4	223	1.69	1.69	1.69	1.69	1.69	1.69				

C1	6	272	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	282	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	292	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C1	6	302	1.88	1.88	1.88							
C2	7	305	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
C2	7	315	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
C2	7	325	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
C2	7	335	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
C2	7	345	1.69	1.69								
I1	9	420	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	430	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	440	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	450	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	460	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	470	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	480	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	490	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	500	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	510	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	520	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	530	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	540	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
I1	9	550	0.94	0.94	0.94	0.94						
BP	11	710	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	720	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	730	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	740	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	750	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	760	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	770	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	780	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	790	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	800	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	810	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
BP	11	820	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	
U1	13	879	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	889	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	899	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	909	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	919	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	929	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	939	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	949	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U1	13	959	1.88	1.88	1.88	1.88						
U2	15	1007	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1017	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1027	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
U2	15	1037	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
LF	14	963	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
LF	14	973	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88

LF	14	983	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
LF	14	993	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
LF	14	1003	1.88	1.88	1.88	1.88						

CONDENSED CAPSULE SUMMARY FOR Bayou Cholpe #1

DIST	FLOW	TEMP	SALN	DO	REAER EBOD1	BOD1 EBOD2	BOD1 ORGN	BOD2 NH3	BOD2 CHLA	NH3 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	0.09485	30.00	0.00	5.00	3.11	0.00	1.59	0.03	0.00							
55.50	0.09485	30.00	0.00	5.07	3.11	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
55.40	0.09485	30.00	0.00	5.14	3.11	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
55.30	0.09485	30.00	0.00	5.21	3.10	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
55.20	0.09485	30.00	0.00	5.28	3.10	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
55.10	0.09485	30.00	0.00	5.34	3.10	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
55.00	0.09485	30.00	0.00	5.40	3.10	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
54.90	0.09485	30.00	0.00	5.46	3.10	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
54.80	0.09485	30.00	0.00	5.52	3.09	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.41	1.31
54.70	0.09485	30.00	0.00	5.57	3.09	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.60	0.09485	30.00	0.00	5.62	3.09	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.50	0.09485	30.00	0.00	5.68	3.09	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.40	0.09485	30.00	0.00	5.72	3.09	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.30	0.09485	30.00	0.00	5.77	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.20	0.09485	30.00	0.00	5.82	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.10	0.09485	30.00	0.00	5.86	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
54.00	0.09485	30.00	0.00	5.90	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.90	0.09485	30.00	0.00	5.95	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.80	0.09485	30.00	0.00	5.99	3.08	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.70	0.09485	30.00	0.00	6.02	3.07	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.60	0.09485	30.00	0.00	6.06	3.07	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.50	0.09485	30.00	0.00	6.10	3.07	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.40	0.09485	30.00	0.00	6.13	3.07	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.30	0.09485	30.00	0.00	6.16	3.07	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.20	0.09485	30.00	0.00	6.19	3.06	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.10	0.09485	30.00	0.00	6.23	3.06	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
53.00	0.09485	30.00	0.00	6.26	3.06	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
52.90	0.09485	30.00	0.00	6.28	3.06	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.31
52.80	0.09485	30.00	0.00	6.31	3.06	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.43	1.31
52.70	0.09485	30.00	0.00	6.34	3.05	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.43	1.31
52.60	0.09485	30.00	0.00	6.36	3.05	0.00	1.59	0.03	0.00	12.03	0.21	0.00	0.00	0.00	0.43	1.31
52.50	0.10100	30.00	0.00	6.18	3.17	0.00	1.55	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
52.40	0.10716	30.00	0.00	6.03	3.27	0.00	1.51	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
52.30	0.11331	30.00	0.00	5.91	3.35	0.00	1.48	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
52.20	0.11947	30.00	0.00	5.80	3.43	0.00	1.45	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
52.10	0.12562	30.00	0.00	5.71	3.50	0.00	1.42	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
52.00	0.13178	30.00	0.00	5.64	3.56	0.00	1.40	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
51.90	0.13793	30.00	0.00	5.57	3.61	0.00	1.38	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.42	1.31
51.80	0.14409	30.00	0.00	5.51	3.66	0.00	1.36	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31

51.70	0.15024	30.00	0.00	5.46	3.70	0.00	1.34	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.60	0.15640	30.00	0.00	5.42	3.74	0.00	1.33	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.50	0.16255	30.00	0.00	5.38	3.78	0.00	1.31	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.40	0.16871	30.00	0.00	5.35	3.81	0.00	1.30	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.30	0.17486	30.00	0.00	5.32	3.84	0.00	1.28	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.20	0.18102	30.00	0.00	5.29	3.87	0.00	1.27	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.10	0.18717	30.00	0.00	5.26	3.90	0.00	1.26	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
51.00	0.19333	30.00	0.00	5.24	3.92	0.00	1.25	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.90	0.19948	30.00	0.00	5.22	3.94	0.00	1.24	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.80	0.20564	30.00	0.00	5.20	3.96	0.00	1.23	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.70	0.21179	30.00	0.00	5.19	3.98	0.00	1.22	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.60	0.21794	30.00	0.00	5.17	4.00	0.00	1.21	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.50	0.22410	30.00	0.00	5.16	4.02	0.00	1.21	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.40	0.23025	30.00	0.00	5.14	4.03	0.00	1.20	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.30	0.23641	30.00	0.00	5.13	4.05	0.00	1.19	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.20	0.24256	30.00	0.00	5.12	4.06	0.00	1.19	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.10	0.24872	30.00	0.00	5.11	4.07	0.00	1.18	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
50.00	0.25487	30.00	0.00	5.10	4.08	0.00	1.17	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.90	0.26103	30.00	0.00	5.09	4.10	0.00	1.17	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.80	0.26718	30.00	0.00	5.09	4.11	0.00	1.16	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.70	0.27334	30.00	0.00	5.08	4.12	0.00	1.16	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.60	0.27949	30.00	0.00	5.07	4.13	0.00	1.15	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.50	0.28565	30.00	0.00	5.07	4.14	0.00	1.15	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.40	0.29180	30.00	0.00	5.06	4.15	0.00	1.14	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.30	0.29796	30.00	0.00	5.05	4.15	0.00	1.14	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.20	0.30411	30.00	0.00	5.05	4.16	0.00	1.14	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.10	0.31027	30.00	0.00	5.04	4.17	0.00	1.13	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
49.00	0.31642	30.00	0.00	5.04	4.18	0.00	1.13	0.03	0.00	0.84	0.21	0.00	0.00	0.00	0.41	1.31
48.90	0.32258	30.00	0.00	5.03	4.18	0.00	1.12	0.03	0.00	0.85	0.21	0.00	0.00	0.00	0.41	1.31
48.80	0.32873	30.00	0.00	5.03	4.19	0.00	1.12	0.03	0.00	0.86	0.21	0.00	0.00	0.00	0.41	1.31
48.70	0.33488	30.00	0.00	5.03	4.20	0.00	1.12	0.03	0.00	0.87	0.21	0.00	0.00	0.00	0.41	1.31
48.60	0.34104	30.00	0.00	5.03	4.20	0.00	1.11	0.03	0.00	0.87	0.21	0.00	0.00	0.00	0.41	1.31
48.50	0.34719	30.00	0.00	5.03	4.21	0.00	1.11	0.03	0.00	0.88	0.21	0.00	0.00	0.00	0.41	1.31
48.40	0.35335	30.00	0.00	5.03	4.21	0.00	1.11	0.03	0.00	0.89	0.21	0.00	0.00	0.00	0.41	1.31
48.30	0.35950	30.00	0.00	5.03	4.22	0.00	1.11	0.03	0.00	0.90	0.21	0.00	0.00	0.00	0.41	1.31
48.20	0.36566	30.00	0.00	5.03	4.22	0.00	1.10	0.03	0.00	0.90	0.21	0.00	0.00	0.00	0.41	1.31
48.10	0.37181	30.00	0.00	5.03	4.23	0.00	1.10	0.03	0.00	0.91	0.21	0.00	0.00	0.00	0.41	1.31
48.00	0.37797	30.00	0.00	5.03	4.23	0.00	1.10	0.03	0.00	0.92	0.21	0.00	0.00	0.00	0.41	1.31
47.90	0.38412	30.00	0.00	5.03	4.24	0.00	1.09	0.03	0.00	0.93	0.21	0.00	0.00	0.00	0.41	1.31
47.80	0.39028	30.00	0.00	5.04	4.24	0.00	1.09	0.03	0.00	0.93	0.21	0.00	0.00	0.00	0.41	1.31
47.70	0.39643	30.00	0.00	5.04	4.25	0.00	1.09	0.03	0.00	0.94	0.21	0.00	0.00	0.00	0.41	1.31
47.60	0.40259	30.00	0.00	5.04	4.25	0.00	1.09	0.03	0.00	0.95	0.21	0.00	0.00	0.00	0.41	1.31
47.50	0.40874	30.00	0.00	5.05	4.26	0.00	1.09	0.03	0.00	0.96	0.21	0.00	0.00	0.00	0.41	1.31
47.40	0.41490	30.00	0.00	5.05	4.26	0.00	1.08	0.03	0.00	0.96	0.21	0.00	0.00	0.00	0.41	1.31
47.30	0.42105	30.00	0.00	5.06	4.26	0.00	1.08	0.03	0.00	0.97	0.21	0.00	0.00	0.00	0.41	1.31
47.20	0.42721	30.00	0.00	5.06	4.27	0.00	1.08	0.03	0.00	0.98	0.21	0.00	0.00	0.00	0.41	1.31
47.10	0.43336	30.00	0.00	5.07	4.27	0.00	1.08	0.03	0.00	0.98	0.21	0.00	0.00	0.00	0.41	1.31
47.00	0.43952	30.00	0.00	5.07	4.27	0.00	1.08	0.03	0.00	0.99	0.21	0.00	0.00	0.00	0.41	1.31
46.90	0.44567	30.00	0.00	5.08	4.28	0.00	1.07	0.03	0.00	1.00	0.21	0.00	0.00	0.00	0.41	1.31
46.80	0.45182	30.00	0.00	5.08	4.28	0.00	1.07	0.03	0.00	1.01	0.21	0.00	0.00	0.00	0.41	1.31

46.70	0.45798	30.00	0.00	5.09	4.28	0.00	1.07	0.03	0.00	1.01	0.21	0.00	0.00	0.00	0.41	1.31
46.60	0.46413	30.00	0.00	5.09	4.29	0.00	1.07	0.03	0.00	1.02	0.21	0.00	0.00	0.00	0.41	1.31
46.50	0.47029	30.00	0.00	5.10	4.29	0.00	1.07	0.03	0.00	1.03	0.21	0.00	0.00	0.00	0.41	1.31
46.40	0.47644	30.00	0.00	5.10	4.29	0.00	1.07	0.03	0.00	1.03	0.21	0.00	0.00	0.00	0.41	1.31
46.30	0.48260	30.00	0.00	5.11	4.29	0.00	1.06	0.03	0.00	1.04	0.21	0.00	0.00	0.00	0.41	1.31
46.20	0.48875	30.00	0.00	5.11	4.30	0.00	1.06	0.03	0.00	1.05	0.21	0.00	0.00	0.00	0.41	1.31
46.10	0.49491	30.00	0.00	5.12	4.30	0.00	1.06	0.03	0.00	1.05	0.21	0.00	0.00	0.00	0.41	1.31
46.00	0.50106	30.00	0.00	5.13	4.30	0.00	1.06	0.03	0.00	1.06	0.21	0.00	0.00	0.00	0.41	1.31
45.90	0.50722	30.00	0.00	5.13	4.30	0.00	1.06	0.03	0.00	1.07	0.21	0.00	0.00	0.00	0.41	1.31
45.80	0.51337	30.00	0.00	5.14	4.31	0.00	1.06	0.03	0.00	1.07	0.21	0.00	0.00	0.00	0.41	1.31
45.70	0.51953	30.00	0.00	5.14	4.31	0.00	1.05	0.03	0.00	1.08	0.21	0.00	0.00	0.00	0.41	1.31
45.60	0.52568	30.00	0.00	5.15	4.31	0.00	1.05	0.03	0.00	1.08	0.21	0.00	0.00	0.00	0.41	1.31
45.50	0.53184	30.00	0.00	5.16	4.31	0.00	1.05	0.03	0.00	1.09	0.21	0.00	0.00	0.00	0.41	1.31
45.40	0.53799	30.00	0.00	5.16	4.31	0.00	1.05	0.03	0.00	1.10	0.21	0.00	0.00	0.00	0.41	1.31
45.30	0.54415	30.00	0.00	5.17	4.32	0.00	1.05	0.03	0.00	1.10	0.21	0.00	0.00	0.00	0.41	1.31
45.20	0.55030	30.00	0.00	5.18	4.32	0.00	1.05	0.03	0.00	1.11	0.21	0.00	0.00	0.00	0.41	1.31
45.10	0.55646	30.00	0.00	5.18	4.32	0.00	1.05	0.03	0.00	1.12	0.21	0.00	0.00	0.00	0.41	1.31
45.00	0.56261	30.00	0.00	5.19	4.32	0.00	1.05	0.03	0.00	1.12	0.21	0.00	0.00	0.00	0.41	1.31
44.90	0.56876	30.00	0.00	5.19	4.32	0.00	1.05	0.03	0.00	1.13	0.21	0.00	0.00	0.00	0.41	1.31
44.80	0.57492	30.00	0.00	5.20	4.33	0.00	1.04	0.03	0.00	1.13	0.21	0.00	0.00	0.00	0.41	1.31
44.70	0.58107	30.00	0.00	5.21	4.33	0.00	1.04	0.03	0.00	1.14	0.21	0.00	0.00	0.00	0.41	1.31
44.60	0.58723	30.00	0.00	5.21	4.33	0.00	1.04	0.03	0.00	1.15	0.21	0.00	0.00	0.00	0.41	1.31
44.50	0.59338	30.00	0.00	5.22	4.33	0.00	1.04	0.03	0.00	1.15	0.21	0.00	0.00	0.00	0.41	1.31
44.40	0.59954	30.00	0.00	5.23	4.33	0.00	1.04	0.03	0.00	1.16	0.21	0.00	0.00	0.00	0.41	1.31
44.30	0.60569	30.00	0.00	5.23	4.33	0.00	1.04	0.03	0.00	1.16	0.21	0.00	0.00	0.00	0.41	1.31
44.20	0.61185	30.00	0.00	5.24	4.34	0.00	1.04	0.03	0.00	1.17	0.21	0.00	0.00	0.00	0.41	1.31
44.10	0.61800	30.00	0.00	5.25	4.34	0.00	1.04	0.03	0.00	1.18	0.21	0.00	0.00	0.00	0.41	1.31
44.00	0.62416	30.00	0.00	5.25	4.34	0.00	1.04	0.03	0.00	1.18	0.21	0.00	0.00	0.00	0.41	1.31
43.90	0.63031	30.00	0.00	5.26	4.34	0.00	1.03	0.03	0.00	1.19	0.21	0.00	0.00	0.00	0.41	1.31
43.80	0.63647	30.00	0.00	5.26	4.34	0.00	1.03	0.03	0.00	1.19	0.21	0.00	0.00	0.00	0.41	1.31
43.70	0.64262	30.00	0.00	5.27	4.34	0.00	1.03	0.03	0.00	1.20	0.21	0.00	0.00	0.00	0.41	1.31
43.60	0.64878	30.00	0.00	5.28	4.34	0.00	1.03	0.03	0.00	1.20	0.21	0.00	0.00	0.00	0.41	1.31
43.50	0.65493	30.00	0.00	5.28	4.34	0.00	1.03	0.03	0.00	1.21	0.21	0.00	0.00	0.00	0.41	1.31
43.40	0.66109	30.00	0.00	5.29	4.35	0.00	1.03	0.03	0.00	1.22	0.21	0.00	0.00	0.00	0.41	1.31
43.30	0.66724	30.00	0.00	5.29	4.35	0.00	1.03	0.03	0.00	1.22	0.21	0.00	0.00	0.00	0.41	1.31
43.20	0.67339	30.00	0.00	5.30	4.35	0.00	1.03	0.03	0.00	1.23	0.21	0.00	0.00	0.00	0.41	1.31
43.10	0.67955	30.00	0.00	5.31	4.35	0.00	1.03	0.03	0.00	1.23	0.21	0.00	0.00	0.00	0.41	1.31
43.00	2.25149	30.00	0.00	5.81	5.44	0.00	1.27	0.80	1.53	0.35	0.17	0.00	0.00	0.00	0.42	1.88
42.90	2.63088	30.00	0.00	5.62	5.11	0.00	1.13	0.69	3.07	0.35	0.17	0.00	0.00	0.00	0.42	1.88
42.80	2.63088	30.00	0.00	5.56	5.11	0.00	1.13	0.68	4.60	0.35	0.17	0.00	0.00	0.00	0.42	1.88
42.70	2.63088	30.00	0.00	5.50	5.10	0.00	1.13	0.67	6.14	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.60	2.63088	30.00	0.00	5.44	5.10	0.00	1.13	0.66	7.67	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.50	2.63088	30.00	0.00	5.40	5.09	0.00	1.13	0.65	9.21	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.40	2.63088	30.00	0.00	5.35	5.09	0.00	1.13	0.64	10.74	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.30	2.63088	30.00	0.00	5.32	5.08	0.00	1.12	0.64	12.28	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.20	2.63088	30.00	0.00	5.28	5.08	0.00	1.12	0.63	13.81	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.10	2.63088	30.00	0.00	5.26	5.07	0.00	1.12	0.62	15.35	0.35	0.17	0.00	0.00	0.00	0.41	1.88
42.00	2.63088	30.00	0.00	5.24	5.07	0.00	1.12	0.61	16.88	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.90	2.63088	30.00	0.00	5.22	5.06	0.00	1.12	0.60	18.42	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.80	2.63088	30.00	0.00	5.21	5.06	0.00	1.12	0.60	19.95	0.35	0.17	0.00	0.00	0.00	0.41	1.88

41.70	2.63088	30.00	0.00	5.20	5.05	0.00	1.12	0.59	21.49	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.60	2.63088	30.00	0.00	5.20	5.05	0.00	1.12	0.58	23.02	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.50	2.63088	30.00	0.00	5.20	5.04	0.00	1.12	0.57	24.56	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.40	2.63088	30.00	0.00	5.21	5.04	0.00	1.12	0.57	26.09	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.30	2.63088	30.00	0.00	5.22	5.03	0.00	1.11	0.56	27.63	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.20	2.63088	30.00	0.00	5.24	5.03	0.00	1.11	0.55	29.16	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.10	2.63088	30.00	0.00	5.26	5.02	0.00	1.11	0.54	30.70	0.35	0.17	0.00	0.00	0.00	0.41	1.88
41.00	2.63088	30.00	0.00	5.29	5.02	0.00	1.11	0.54	32.23	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.90	2.63088	30.00	0.00	5.32	5.01	0.00	1.11	0.53	33.77	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.80	2.63088	30.00	0.00	5.36	5.01	0.00	1.11	0.52	35.30	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.70	2.63088	30.00	0.00	5.39	5.01	0.00	1.11	0.52	36.84	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.60	2.63088	30.00	0.00	5.44	5.00	0.00	1.11	0.51	38.37	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.50	2.63088	30.00	0.00	5.49	5.00	0.00	1.11	0.50	39.91	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.40	2.63088	30.00	0.00	5.54	4.99	0.00	1.11	0.50	41.44	0.35	0.17	0.00	0.00	0.00	0.41	1.88
40.30	2.63088	30.00	0.00	5.59	4.99	0.00	1.10	0.49	42.98	0.35	0.17	0.00	0.00	0.00	0.42	1.88
40.20	2.63088	30.00	0.00	5.65	4.98	0.00	1.10	0.49	44.51	0.35	0.17	0.00	0.00	0.00	0.42	1.88
40.10	2.63088	30.00	0.00	5.72	4.98	0.00	1.10	0.48	46.05	0.35	0.17	0.00	0.00	0.00	0.42	1.88
40.00	2.63088	30.00	0.00	5.78	4.98	0.00	1.10	0.47	47.58	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.90	2.63088	30.00	0.00	5.86	4.97	0.00	1.10	0.47	49.12	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.80	2.63088	30.00	0.00	5.93	4.97	0.00	1.10	0.46	50.65	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.70	2.63088	30.00	0.00	6.01	4.96	0.00	1.10	0.46	52.19	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.60	2.63088	30.00	0.00	6.09	4.96	0.00	1.10	0.45	53.72	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.50	2.63088	30.00	0.00	6.18	4.95	0.00	1.10	0.44	55.26	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.40	2.63088	30.00	0.00	6.27	4.95	0.00	1.10	0.44	56.79	0.35	0.17	0.00	0.00	0.00	0.42	1.88
39.30	2.63088	30.00	0.00	6.36	4.95	0.00	1.10	0.43	58.33	0.35	0.17	0.00	0.00	0.00	0.43	1.88
39.20	2.63088	30.00	0.00	6.46	4.94	0.00	1.09	0.43	59.86	0.35	0.17	0.00	0.00	0.00	0.43	1.88
39.10	2.63088	30.00	0.00	6.56	4.94	0.00	1.09	0.42	61.40	0.35	0.17	0.00	0.00	0.00	0.43	1.88
39.00	2.63088	30.00	0.00	6.66	4.93	0.00	1.09	0.42	62.93	0.35	0.17	0.00	0.00	0.00	0.43	1.88
38.90	2.63088	30.00	0.00	6.77	4.93	0.00	1.09	0.41	64.47	0.35	0.17	0.00	0.00	0.00	0.43	1.88
38.80	2.63110	30.00	0.00	6.88	4.93	0.00	1.09	0.40	66.00	0.35	0.17	0.00	0.00	0.00	0.43	1.88
38.70	2.64025	30.00	0.00	7.06	4.90	0.00	1.09	0.40	65.10	0.30	0.17	0.00	0.00	0.00	0.43	1.88
38.60	2.64025	30.00	0.00	7.22	4.89	0.00	1.09	0.39	64.19	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.50	2.64025	30.00	0.00	7.39	4.87	0.00	1.08	0.38	63.29	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.40	2.64025	30.00	0.00	7.54	4.86	0.00	1.08	0.37	62.38	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.30	2.64025	30.00	0.00	7.70	4.85	0.00	1.08	0.36	61.48	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.20	2.64025	30.00	0.00	7.84	4.83	0.00	1.08	0.36	60.58	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.10	2.64025	30.00	0.00	7.98	4.82	0.00	1.08	0.35	59.67	0.30	0.17	0.00	0.00	0.00	0.44	1.88
38.00	2.64025	30.00	0.00	8.11	4.80	0.00	1.08	0.34	58.77	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.90	2.64025	30.00	0.00	8.24	4.79	0.00	1.08	0.33	57.86	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.80	2.64025	30.00	0.00	8.37	4.78	0.00	1.07	0.33	56.96	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.70	2.64025	30.00	0.00	8.49	4.76	0.00	1.07	0.32	56.05	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.60	2.64025	30.00	0.00	8.60	4.75	0.00	1.07	0.31	55.15	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.50	2.64025	30.00	0.00	8.71	4.74	0.00	1.07	0.31	54.25	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.40	2.64025	30.00	0.00	8.81	4.73	0.00	1.07	0.30	53.34	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.30	2.64025	30.00	0.00	8.91	4.71	0.00	1.07	0.30	52.44	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.20	2.64025	30.00	0.00	9.00	4.70	0.00	1.07	0.29	51.53	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.10	2.64025	30.00	0.00	9.09	4.69	0.00	1.06	0.28	50.63	0.30	0.17	0.00	0.00	0.00	0.44	1.88
37.00	2.64025	30.00	0.00	9.17	4.67	0.00	1.06	0.28	49.73	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.90	2.64025	30.00	0.00	9.25	4.66	0.00	1.06	0.27	48.82	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.80	2.87525	30.00	0.00	8.97	4.39	0.00	1.01	0.37	47.92	0.30	0.17	0.00	0.00	0.00	0.44	1.88

36.70	2.89407	30.00	0.00	9.00	4.53	0.00	1.02	0.37	47.01	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.60	2.89407	30.00	0.00	9.05	4.52	0.00	1.01	0.36	46.11	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.50	2.89407	30.00	0.00	9.11	4.51	0.00	1.01	0.35	45.21	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.40	2.89407	30.00	0.00	9.15	4.50	0.00	1.01	0.35	44.30	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.30	2.89407	30.00	0.00	9.20	4.49	0.00	1.01	0.34	43.40	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.20	2.89407	30.00	0.00	9.24	4.48	0.00	1.01	0.33	42.49	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.10	2.89407	30.00	0.00	9.28	4.47	0.00	1.01	0.33	41.59	0.30	0.17	0.00	0.00	0.00	0.44	1.88
36.00	2.89407	30.00	0.00	9.31	4.46	0.00	1.01	0.32	40.68	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.90	2.89407	30.00	0.00	9.34	4.45	0.00	1.01	0.31	39.78	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.80	2.89407	30.00	0.00	9.37	4.44	0.00	1.00	0.31	38.88	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.70	2.89407	30.00	0.00	9.39	4.43	0.00	1.00	0.30	37.97	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.60	2.89407	30.00	0.00	9.41	4.43	0.00	1.00	0.30	37.07	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.50	2.89407	30.00	0.00	9.42	4.42	0.00	1.00	0.29	36.16	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.40	2.89407	30.00	0.00	9.44	4.41	0.00	1.00	0.29	35.26	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.30	2.89407	30.00	0.00	9.45	4.40	0.00	1.00	0.28	34.36	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.20	2.89407	30.00	0.00	9.45	4.39	0.00	1.00	0.28	33.45	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.10	2.89407	30.00	0.00	9.46	4.38	0.00	0.99	0.27	32.55	0.30	0.17	0.00	0.00	0.00	0.44	1.88
35.00	2.89407	30.00	0.00	9.46	4.37	0.00	0.99	0.27	31.64	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.90	2.89407	30.00	0.00	9.45	4.36	0.00	0.99	0.26	30.74	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.80	2.89407	30.00	0.00	9.45	4.36	0.00	0.99	0.26	29.84	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.70	2.89407	30.00	0.00	9.44	4.35	0.00	0.99	0.25	28.93	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.60	2.89407	30.00	0.00	9.42	4.34	0.00	0.99	0.25	28.03	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.50	2.89407	30.00	0.00	9.41	4.33	0.00	0.99	0.24	27.12	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.40	2.89407	30.00	0.00	9.39	4.32	0.00	0.99	0.24	26.22	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.30	2.89407	30.00	0.00	9.37	4.32	0.00	0.98	0.24	25.32	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.20	2.89407	30.00	0.00	9.34	4.31	0.00	0.98	0.23	24.41	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.10	2.89407	30.00	0.00	9.32	4.30	0.00	0.98	0.23	23.51	0.30	0.17	0.00	0.00	0.00	0.44	1.88
34.00	2.89407	30.00	0.00	9.29	4.29	0.00	0.98	0.22	22.60	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.90	2.89407	30.00	0.00	9.25	4.28	0.00	0.98	0.22	21.70	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.80	2.89407	30.00	0.00	9.22	4.28	0.00	0.98	0.22	20.79	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.70	2.89407	30.00	0.00	9.18	4.27	0.00	0.98	0.21	19.89	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.60	2.89407	30.00	0.00	9.14	4.26	0.00	0.98	0.21	18.99	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.50	2.89407	30.00	0.00	9.09	4.25	0.00	0.97	0.21	18.08	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.40	2.89407	30.00	0.00	9.05	4.25	0.00	0.97	0.20	17.18	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.30	2.89407	30.00	0.00	9.00	4.24	0.00	0.97	0.20	16.27	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.20	2.89407	30.00	0.00	8.95	4.23	0.00	0.97	0.20	15.37	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.10	2.89407	30.00	0.00	8.89	4.23	0.00	0.97	0.19	14.47	0.30	0.17	0.00	0.00	0.00	0.44	1.88
33.00	2.89407	30.00	0.00	8.84	4.22	0.00	0.97	0.19	13.56	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.90	2.89407	30.00	0.00	8.78	4.21	0.00	0.97	0.19	12.66	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.80	2.89407	30.00	0.00	8.72	4.20	0.00	0.97	0.18	11.75	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.70	2.89407	30.00	0.00	8.65	4.20	0.00	0.96	0.18	10.85	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.60	2.89407	30.00	0.00	8.59	4.19	0.00	0.96	0.18	9.95	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.50	2.89407	30.00	0.00	8.52	4.18	0.00	0.96	0.17	9.04	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.40	2.89407	30.00	0.00	8.45	4.18	0.00	0.96	0.17	8.14	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.30	2.89407	30.00	0.00	8.37	4.17	0.00	0.96	0.17	7.23	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.20	2.89407	30.00	0.00	8.30	4.16	0.00	0.96	0.17	6.33	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.10	2.89407	30.00	0.00	8.22	4.16	0.00	0.96	0.16	5.42	0.30	0.17	0.00	0.00	0.00	0.44	1.88
32.00	2.89407	30.00	0.00	8.14	4.15	0.00	0.96	0.16	4.52	0.30	0.17	0.00	0.00	0.00	0.44	1.88
31.90	2.89407	30.00	0.00	8.06	4.14	0.00	0.95	0.16	3.62	0.30	0.17	0.00	0.00	0.00	0.44	1.88
31.80	2.89407	30.00	0.00	7.97	4.14	0.00	0.95	0.16	2.71	0.30	0.17	0.00	0.00	0.00	0.44	1.88

31.70	2.89407	30.00	0.00	7.89	4.13	0.00	0.95	0.15	1.81	0.30	0.17	0.00	0.00	0.00	0.44	1.88
31.60	2.89407	30.00	0.00	7.80	4.13	0.00	0.95	0.15	0.90	0.30	0.17	0.00	0.00	0.00	0.44	1.88
31.50	2.89407	30.00	0.00	7.71	4.12	0.00	0.95	0.15	0.00	0.30	0.17	0.00	0.00	0.00	0.44	1.88
31.40	10.45793	30.00	0.00	6.68	1.48	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
31.30	10.45793	30.00	0.00	6.66	1.48	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
31.20	10.45793	30.00	0.00	6.65	1.47	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
31.10	10.45793	30.00	0.00	6.63	1.46	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
31.00	10.45793	30.00	0.00	6.61	1.46	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.90	10.45793	30.00	0.00	6.59	1.45	0.00	0.48	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.80	10.45793	30.00	0.00	6.57	1.45	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.70	10.45793	30.00	0.00	6.55	1.44	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.60	10.45793	30.00	0.00	6.53	1.44	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.50	10.45793	30.00	0.00	6.51	1.43	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.40	10.45793	30.00	0.00	6.49	1.43	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.30	10.45793	30.00	0.00	6.47	1.42	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.20	10.45794	30.00	0.00	6.46	1.42	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.10	10.45794	30.00	0.00	6.44	1.41	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
30.00	10.45794	30.00	0.00	6.42	1.41	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.90	10.45794	30.00	0.00	6.40	1.41	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.80	10.45794	30.00	0.00	6.39	1.40	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.70	10.45794	30.00	0.00	6.37	1.40	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.60	10.45794	30.00	0.00	6.35	1.39	0.00	0.49	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.50	10.45794	30.00	0.00	6.34	1.39	0.00	0.50	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.40	10.45794	30.00	0.00	6.32	1.38	0.00	0.50	0.06	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.30	10.45794	30.00	0.00	6.30	1.38	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.43	1.88
29.20	10.45794	30.00	0.00	6.29	1.37	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
29.10	10.45794	30.00	0.00	6.27	1.37	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
29.00	10.45794	30.00	0.00	6.25	1.36	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.90	10.45794	30.00	0.00	6.24	1.36	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.80	10.45794	30.00	0.00	6.22	1.35	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.70	10.45794	30.00	0.00	6.21	1.35	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.60	10.45794	30.00	0.00	6.19	1.34	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.50	10.45794	30.00	0.00	6.17	1.34	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.40	10.45794	30.00	0.00	6.16	1.34	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.30	10.45794	30.00	0.00	6.14	1.33	0.00	0.50	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.20	10.45794	30.00	0.00	6.13	1.33	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.10	10.45794	30.00	0.00	6.11	1.32	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
28.00	10.45794	30.00	0.00	6.10	1.32	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.90	10.45794	30.00	0.00	6.09	1.31	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.80	10.45794	30.00	0.00	6.07	1.31	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.70	10.45794	30.00	0.00	6.06	1.31	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.60	10.45794	30.00	0.00	6.04	1.30	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.50	10.45794	30.00	0.00	6.03	1.30	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.40	10.45794	30.00	0.00	6.01	1.29	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.30	10.45794	30.00	0.00	6.00	1.29	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.20	10.45794	30.00	0.00	5.99	1.28	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.10	10.45794	30.00	0.00	5.97	1.28	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
27.00	10.45794	30.00	0.00	5.96	1.28	0.00	0.51	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.90	10.45794	30.00	0.00	5.95	1.27	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.80	10.45794	30.00	0.00	5.93	1.27	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88

26.70	10.45794	30.00	0.00	5.92	1.26	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.60	10.45794	30.00	0.00	5.91	1.26	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.50	10.45794	30.00	0.00	5.90	1.26	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.40	10.45794	30.00	0.00	5.88	1.25	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.30	10.45794	30.00	0.00	5.87	1.25	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.20	10.45794	30.00	0.00	5.86	1.24	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.10	10.45794	30.00	0.00	5.85	1.24	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
26.00	10.45794	30.00	0.00	5.83	1.24	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.90	10.45794	30.00	0.00	5.82	1.23	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.80	10.45794	30.00	0.00	5.81	1.23	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.70	10.45794	30.00	0.00	5.80	1.22	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.60	10.45794	30.00	0.00	5.79	1.22	0.00	0.52	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.50	10.45794	30.00	0.00	5.77	1.22	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.40	10.45794	30.00	0.00	5.76	1.21	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.30	10.45794	30.00	0.00	5.75	1.21	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.20	10.45794	30.00	0.00	5.74	1.21	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.10	10.45794	30.00	0.00	5.73	1.20	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
25.00	10.45794	30.00	0.00	5.72	1.20	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.90	10.45794	30.00	0.00	5.71	1.19	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.80	10.45794	30.00	0.00	5.70	1.19	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.70	10.45794	30.00	0.00	5.69	1.19	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.60	10.45794	30.00	0.00	5.67	1.18	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.50	10.45804	30.00	0.00	5.66	1.18	0.00	0.53	0.05	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.40	10.45804	30.00	0.00	5.65	1.18	0.00	0.53	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.30	10.45804	30.00	0.00	5.64	1.17	0.00	0.53	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.20	10.45804	30.00	0.00	5.63	1.17	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.10	10.45804	30.00	0.00	5.62	1.16	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
24.00	10.45804	30.00	0.00	5.61	1.16	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.90	10.45804	30.00	0.00	5.60	1.16	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.80	10.45804	30.00	0.00	5.59	1.15	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.70	10.45804	30.00	0.00	5.58	1.15	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.60	10.45804	30.00	0.00	5.57	1.15	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.50	10.45804	30.00	0.00	5.56	1.14	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.40	10.45804	30.00	0.00	5.55	1.14	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.42	1.88
23.30	10.45804	30.00	0.00	5.55	1.14	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
23.20	10.45804	30.00	0.00	5.54	1.13	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
23.10	10.45804	30.00	0.00	5.53	1.13	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
23.00	10.45804	30.00	0.00	5.52	1.13	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.90	10.45804	30.00	0.00	5.51	1.12	0.00	0.54	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.80	10.45804	30.00	0.00	5.50	1.12	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.70	10.45804	30.00	0.00	5.49	1.12	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.60	10.45804	30.00	0.00	5.48	1.11	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.50	10.45804	30.00	0.00	5.47	1.11	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.40	10.45804	30.00	0.00	5.46	1.11	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.30	10.45804	30.00	0.00	5.46	1.10	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.20	10.45804	30.00	0.00	5.45	1.10	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.10	10.45804	30.00	0.00	5.44	1.10	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
22.00	10.45804	30.00	0.00	5.43	1.09	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.90	10.45804	30.00	0.00	5.42	1.09	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.80	10.45804	30.00	0.00	5.41	1.09	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88

21.70	10.45804	30.00	0.00	5.41	1.08	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.60	10.45804	30.00	0.00	5.40	1.08	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.50	10.45804	30.00	0.00	5.39	1.08	0.00	0.55	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.40	10.45804	30.00	0.00	5.38	1.08	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.30	10.45804	30.00	0.00	5.37	1.07	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.20	10.45814	30.00	0.00	5.37	1.07	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.10	10.45814	30.00	0.00	5.36	1.07	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
21.00	10.45814	30.00	0.00	5.35	1.06	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.90	10.45814	30.00	0.00	5.34	1.06	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.80	10.45814	30.00	0.00	5.34	1.06	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.70	10.45814	30.00	0.00	5.33	1.05	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.60	10.45814	30.00	0.00	5.32	1.05	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.50	10.45814	30.00	0.00	5.32	1.05	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.40	10.45814	30.00	0.00	5.31	1.05	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.30	10.45814	30.00	0.00	5.30	1.04	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.20	10.46269	30.00	0.00	5.29	1.05	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.10	10.46269	30.00	0.00	5.29	1.04	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
20.00	10.46269	30.00	0.00	5.28	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.90	10.46269	30.00	0.00	5.27	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.80	10.46269	30.00	0.00	5.27	1.03	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.70	10.46269	30.00	0.00	5.26	1.03	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.60	10.46269	30.00	0.00	5.25	1.03	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.50	10.46269	30.00	0.00	5.25	1.03	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.40	10.46279	30.00	0.00	5.24	1.02	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.30	10.46279	30.00	0.00	5.23	1.02	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.20	10.46279	30.00	0.00	5.23	1.02	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.10	10.46279	30.00	0.00	5.22	1.01	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
19.00	11.82180	30.00	0.00	5.19	1.08	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.90	11.82180	30.00	0.00	5.18	1.08	0.00	0.56	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.80	11.82180	30.00	0.00	5.18	1.07	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.70	11.82180	30.00	0.00	5.17	1.07	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.60	11.82180	30.00	0.00	5.17	1.07	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.50	11.82180	30.00	0.00	5.16	1.06	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.40	11.82180	30.00	0.00	5.16	1.06	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.30	11.82180	30.00	0.00	5.15	1.06	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.20	11.82180	30.00	0.00	5.15	1.06	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.10	11.82180	30.00	0.00	5.14	1.05	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
18.00	11.82180	30.00	0.00	5.14	1.05	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.90	11.82180	30.00	0.00	5.13	1.05	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.80	11.82180	30.00	0.00	5.13	1.05	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.70	11.82180	30.00	0.00	5.12	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.60	11.82180	30.00	0.00	5.12	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.50	11.82180	30.00	0.00	5.11	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.40	11.82180	30.00	0.00	5.11	1.04	0.00	0.57	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.30	11.82180	30.00	0.00	5.10	1.03	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.20	11.82180	30.00	0.00	5.10	1.03	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.10	11.82180	30.00	0.00	5.09	1.03	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
17.00	11.82180	30.00	0.00	5.09	1.03	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.90	11.82180	30.00	0.00	5.08	1.02	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.80	11.82180	30.00	0.00	5.08	1.02	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88

16.70	11.82180	30.00	0.00	5.07	1.02	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.60	11.82180	30.00	0.00	5.07	1.02	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.50	11.82184	30.00	0.00	5.06	1.01	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.40	11.82184	30.00	0.00	5.06	1.01	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.30	11.82184	30.00	0.00	5.06	1.01	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.20	11.82184	30.00	0.00	5.05	1.01	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.10	11.82184	30.00	0.00	5.05	1.00	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
16.00	11.82184	30.00	0.00	5.04	1.00	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
15.90	11.82184	30.00	0.00	5.04	1.00	0.00	0.58	0.04	0.00	0.28	0.21	0.00	0.00	0.00	0.41	1.88
15.80	12.66179	30.00	0.00	5.15	1.19	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.70	12.66179	30.00	0.00	5.14	1.18	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.60	12.66179	30.00	0.00	5.14	1.17	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.50	12.66179	30.00	0.00	5.13	1.17	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.40	12.66179	30.00	0.00	5.13	1.16	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.30	12.66179	30.00	0.00	5.12	1.15	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.20	12.66179	30.00	0.00	5.12	1.14	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.10	12.66179	30.00	0.00	5.12	1.13	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
15.00	12.66179	30.00	0.00	5.11	1.12	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.90	12.66179	30.00	0.00	5.11	1.12	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.80	12.66179	30.00	0.00	5.10	1.11	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.70	12.66179	30.00	0.00	5.10	1.10	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.60	12.66179	30.00	0.00	5.09	1.09	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.50	12.66179	30.00	0.00	5.09	1.08	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.40	12.66179	30.00	0.00	5.09	1.07	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.30	12.66179	30.00	0.00	5.08	1.07	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.20	12.66179	30.00	0.00	5.08	1.06	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.10	12.66179	30.00	0.00	5.07	1.05	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
14.00	12.66179	30.00	0.00	5.07	1.04	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.90	12.66179	30.00	0.00	5.07	1.04	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.80	12.66179	30.00	0.00	5.06	1.03	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.70	12.66179	30.00	0.00	5.06	1.02	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.60	12.66179	30.00	0.00	5.06	1.01	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.50	12.66179	30.00	0.00	5.05	1.01	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.40	12.66179	30.00	0.00	5.05	1.00	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.30	12.66179	30.00	0.00	5.05	0.99	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.20	12.66179	30.00	0.00	5.05	0.98	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.10	12.66179	30.00	0.00	5.04	0.98	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
13.00	12.66179	30.00	0.00	5.04	0.97	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.90	12.66179	30.00	0.00	5.04	0.96	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.80	12.66179	30.00	0.00	5.03	0.96	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.70	12.66179	30.00	0.00	5.03	0.95	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.60	12.66179	30.00	0.00	5.03	0.94	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.50	12.66179	30.00	0.00	5.03	0.93	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.40	12.66179	30.00	0.00	5.02	0.93	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.30	12.66179	30.00	0.00	5.02	0.92	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.20	12.66179	30.00	0.00	5.02	0.91	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.10	12.66179	30.00	0.00	5.02	0.91	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
12.00	12.66179	30.00	0.00	5.02	0.90	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.90	12.66179	30.00	0.00	5.01	0.89	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.80	12.66179	30.00	0.00	5.01	0.89	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31

11.70	12.66179	30.00	0.00	5.01	0.88	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.60	12.66179	30.00	0.00	5.01	0.87	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.50	12.66179	30.00	0.00	5.01	0.87	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.40	12.66179	30.00	0.00	5.00	0.86	0.00	0.56	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.30	12.66179	30.00	0.00	5.00	0.85	0.00	0.57	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.20	12.66179	30.00	0.00	5.00	0.85	0.00	0.57	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.10	12.66179	30.00	0.00	5.00	0.84	0.00	0.57	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
11.00	12.66179	30.00	0.00	5.00	0.84	0.00	0.57	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
10.90	12.66179	30.00	0.00	5.00	0.83	0.00	0.57	0.04	0.00	0.26	0.32	0.00	0.00	0.00	0.41	1.31
10.80	19.54008	30.00	0.00	5.48	1.19	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.70	19.54008	30.00	0.00	5.48	1.19	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.60	19.54008	30.00	0.00	5.48	1.19	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.50	19.54008	30.00	0.00	5.47	1.18	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.40	19.54008	30.00	0.00	5.47	1.18	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.30	19.54008	30.00	0.00	5.47	1.17	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.20	19.54008	30.00	0.00	5.47	1.17	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.10	19.54008	30.00	0.00	5.47	1.17	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
10.00	19.54008	30.00	0.00	5.47	1.16	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.90	19.54008	30.00	0.00	5.47	1.16	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.80	19.54008	30.00	0.00	5.46	1.15	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.70	19.54008	30.00	0.00	5.46	1.15	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.60	19.54008	30.00	0.00	5.46	1.15	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.50	19.54008	30.00	0.00	5.46	1.14	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.40	19.54008	30.00	0.00	5.46	1.14	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.30	19.54008	30.00	0.00	5.46	1.14	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.20	19.54008	30.00	0.00	5.46	1.13	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.10	19.54008	30.00	0.00	5.46	1.13	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
9.00	19.54008	30.00	0.00	5.46	1.12	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.90	19.54008	30.00	0.00	5.45	1.12	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.80	19.54008	30.00	0.00	5.45	1.12	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.70	19.54008	30.00	0.00	5.45	1.11	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.60	19.54008	30.00	0.00	5.45	1.11	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.50	19.54008	30.00	0.00	5.45	1.11	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.40	19.54008	30.00	0.00	5.45	1.10	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.30	19.54008	30.00	0.00	5.45	1.10	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.20	19.54008	30.00	0.00	5.45	1.10	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.10	19.54008	30.00	0.00	5.45	1.09	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
8.00	19.54008	30.00	0.00	5.45	1.09	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.90	19.54008	30.00	0.00	5.44	1.09	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.80	19.54008	30.00	0.00	5.44	1.08	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.70	19.54008	30.00	0.00	5.44	1.08	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.60	19.54008	30.00	0.00	5.44	1.07	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.50	19.54008	30.00	0.00	5.44	1.07	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.40	19.54008	30.00	0.00	5.44	1.07	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.30	19.54008	30.00	0.00	5.44	1.06	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.20	19.54008	30.00	0.00	5.44	1.06	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.10	19.54008	30.00	0.00	5.44	1.06	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
7.00	19.54008	30.00	0.00	5.44	1.05	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.90	19.54008	30.00	0.00	5.44	1.05	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.80	19.54008	30.00	0.00	5.44	1.05	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31

6.70	19.54008	30.00	0.00	5.43	1.04	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.60	19.54008	30.00	0.00	5.43	1.04	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.50	19.54008	30.00	0.00	5.43	1.04	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.40	19.54008	30.00	0.00	5.43	1.03	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.30	19.54008	30.00	0.00	5.43	1.03	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.20	19.54008	30.00	0.00	5.43	1.03	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.10	19.54008	30.00	0.00	5.43	1.02	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
6.00	19.54008	30.00	0.00	5.43	1.02	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.90	19.54008	30.00	0.00	5.43	1.02	0.00	0.56	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.80	19.54008	30.00	0.00	5.43	1.01	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.70	19.54008	30.00	0.00	5.43	1.01	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.60	19.54008	30.00	0.00	5.43	1.01	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.50	19.54008	30.00	0.00	5.43	1.00	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.40	19.54008	30.00	0.00	5.43	1.00	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.30	19.54008	30.00	0.00	5.43	1.00	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.20	19.54008	30.00	0.00	5.43	0.99	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.10	19.54008	30.00	0.00	5.42	0.99	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
5.00	19.54008	30.00	0.00	5.42	0.99	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.90	19.54008	30.00	0.00	5.42	0.98	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.80	19.54008	30.00	0.00	5.42	0.98	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.70	19.54008	30.00	0.00	5.42	0.98	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.60	19.54008	30.00	0.00	5.42	0.97	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.50	19.54008	30.00	0.00	5.42	0.97	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.40	19.54008	30.00	0.00	5.42	0.97	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.30	19.54008	30.00	0.00	5.42	0.96	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.20	19.54008	30.00	0.00	5.42	0.96	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.10	19.54008	30.00	0.00	5.42	0.96	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
4.00	19.54008	30.00	0.00	5.42	0.95	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.90	19.54008	30.00	0.00	5.42	0.95	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.80	19.54008	30.00	0.00	5.42	0.95	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.70	19.54008	30.00	0.00	5.42	0.95	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.60	19.54008	30.00	0.00	5.42	0.94	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.50	19.54008	30.00	0.00	5.42	0.94	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.40	19.54008	30.00	0.00	5.42	0.94	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.30	19.54008	30.00	0.00	5.42	0.93	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.20	19.54008	30.00	0.00	5.42	0.93	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.10	19.54008	30.00	0.00	5.42	0.93	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
3.00	19.54008	30.00	0.00	5.42	0.92	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.90	19.54008	30.00	0.00	5.42	0.92	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.80	19.54008	30.00	0.00	5.42	0.92	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.70	19.54008	30.00	0.00	5.42	0.92	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.60	19.54008	30.00	0.00	5.42	0.91	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.50	19.54008	30.00	0.00	5.42	0.91	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.40	19.54008	30.00	0.00	5.42	0.91	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.30	19.54008	30.00	0.00	5.42	0.90	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.20	19.54008	30.00	0.00	5.42	0.90	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.10	19.54008	30.00	0.00	5.42	0.90	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
2.00	19.54008	30.00	0.00	5.41	0.89	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.90	19.54008	30.00	0.00	5.41	0.89	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.80	19.54008	30.00	0.00	5.41	0.89	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31

1.70	19.54008	30.00	0.00	5.41	0.89	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.60	19.54008	30.00	0.00	5.41	0.88	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.50	19.54008	30.00	0.00	5.41	0.88	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.40	19.54008	30.00	0.00	5.41	0.88	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.30	19.54008	30.00	0.00	5.41	0.87	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.20	19.54008	30.00	0.00	5.41	0.87	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.10	19.54008	30.00	0.00	5.41	0.87	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
1.00	19.54008	30.00	0.00	5.41	0.87	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.90	19.54008	30.00	0.00	5.41	0.86	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.80	19.54008	30.00	0.00	5.41	0.86	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.70	19.54008	30.00	0.00	5.41	0.86	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.60	19.54008	30.00	0.00	5.41	0.85	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.50	19.54008	30.00	0.00	5.41	0.85	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.40	19.54008	30.00	0.00	5.41	0.85	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.30	19.54008	30.00	0.00	5.41	0.85	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.20	19.54008	30.00	0.00	5.41	0.84	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.10	19.54008	30.00	0.00	5.41	0.84	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31
0.00	19.54008	30.00	0.00	5.41	0.84	0.00	0.57	0.04	0.00	0.40	0.32	0.00	0.00	0.00	0.41	1.31

CONDENSED CAPSULE SUMMARY FOR Bayou Poydras #1

DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	REAER ORGN	BOD1 NH3	BOD1 CHLA	BOD2 RATE	BOD2 DECA	NH3 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	g/m²/d
HDWTR	0.06597	30.00	0.00	5.00	9.81	0.00	0.49	0.06	0.00					
10.20	1.38035	30.00	0.00	5.02	5.23	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
10.10	1.38035	30.00	0.00	5.04	5.23	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
10.00	1.38035	30.00	0.00	5.06	5.23	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.90	1.38035	30.00	0.00	5.08	5.23	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.80	1.38035	30.00	0.00	5.10	5.23	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.70	1.38035	30.00	0.00	5.12	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.60	1.38035	30.00	0.00	5.14	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.50	1.38035	30.00	0.00	5.16	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.40	1.38035	30.00	0.00	5.18	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.30	1.38035	30.00	0.00	5.20	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.20	1.38035	30.00	0.00	5.22	5.22	0.00	1.45	1.43	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.10	1.38035	30.00	0.00	5.24	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
9.00	1.38035	30.00	0.00	5.25	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.90	1.38035	30.00	0.00	5.27	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.80	1.38035	30.00	0.00	5.29	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.70	1.38035	30.00	0.00	5.31	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.60	1.38035	30.00	0.00	5.33	5.22	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.50	1.38035	30.00	0.00	5.34	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.40	1.38035	30.00	0.00	5.36	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.30	1.38035	30.00	0.00	5.38	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.20	1.38035	30.00	0.00	5.39	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.10	1.38035	30.00	0.00	5.41	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
8.00	1.38048	30.00	0.00	5.43	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88

7.90	1.38048	30.00	0.00	5.44	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.80	1.38048	30.00	0.00	5.46	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.70	1.38051	30.00	0.00	5.47	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.60	1.38051	30.00	0.00	5.49	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.50	1.38051	30.00	0.00	5.50	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.40	1.38051	30.00	0.00	5.52	5.21	0.00	1.45	1.42	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.30	1.38051	30.00	0.00	5.53	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.20	1.38051	30.00	0.00	5.55	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.41	1.88
7.10	1.38051	30.00	0.00	5.56	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
7.00	1.38079	30.00	0.00	5.58	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.90	1.38079	30.00	0.00	5.59	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.80	1.38079	30.00	0.00	5.60	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.70	1.38079	30.00	0.00	5.62	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.60	1.38079	30.00	0.00	5.63	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.50	1.38079	30.00	0.00	5.65	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.40	1.38086	30.00	0.00	5.66	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.30	1.38086	30.00	0.00	5.67	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.20	1.38086	30.00	0.00	5.68	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.10	1.38086	30.00	0.00	5.70	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
6.00	1.38086	30.00	0.00	5.71	5.21	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.90	1.38086	30.00	0.00	5.72	5.20	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.80	1.38086	30.00	0.00	5.74	5.20	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.70	1.38086	30.00	0.00	5.75	5.20	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.60	1.38086	30.00	0.00	5.76	5.20	0.00	1.45	1.41	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.50	1.38086	30.00	0.00	5.77	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.40	1.38086	30.00	0.00	5.78	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.30	1.38086	30.00	0.00	5.79	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.20	1.38086	30.00	0.00	5.81	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.10	1.38086	30.00	0.00	5.82	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
5.00	1.38086	30.00	0.00	5.83	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
4.90	1.38086	30.00	0.00	5.84	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
4.80	1.38086	30.00	0.00	5.85	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
4.70	1.38086	30.00	0.00	5.86	5.20	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
4.60	1.38086	30.00	0.00	5.87	5.19	0.00	1.45	1.40	0.00	12.03	0.16	0.00	0.00	0.00	0.42	1.88
4.50	1.38496	30.00	0.00	5.88	5.21	0.00	1.45	1.39	0.00	5.47	0.16	0.00	0.00	0.00	0.42	1.69
4.40	1.38907	30.00	0.00	5.89	5.23	0.00	1.45	1.39	0.00	5.47	0.16	0.00	0.00	0.00	0.42	1.69
4.30	1.39317	30.00	0.00	5.90	5.25	0.00	1.44	1.38	0.00	5.48	0.16	0.00	0.00	0.00	0.42	1.69
4.20	1.39903	30.00	0.00	5.91	5.29	0.00	1.44	1.37	0.00	5.49	0.16	0.00	0.00	0.00	0.42	1.69
4.10	1.40366	30.00	0.00	5.92	5.32	0.00	1.44	1.37	0.00	5.50	0.16	0.00	0.00	0.00	0.42	1.69
4.00	1.40777	30.00	0.00	5.93	5.34	0.00	1.44	1.36	0.00	5.51	0.16	0.00	0.00	0.00	0.42	1.69
3.90	1.41187	30.00	0.00	5.93	5.35	0.00	1.44	1.36	0.00	5.52	0.16	0.00	0.00	0.00	0.42	1.69
3.80	1.41598	30.00	0.00	5.94	5.37	0.00	1.44	1.35	0.00	5.53	0.16	0.00	0.00	0.00	0.42	1.69
3.70	1.42008	30.00	0.00	5.95	5.39	0.00	1.43	1.34	0.00	5.54	0.16	0.00	0.00	0.00	0.42	1.69
3.60	1.42418	30.00	0.00	5.96	5.40	0.00	1.43	1.34	0.00	5.54	0.16	0.00	0.00	0.00	0.42	1.69
3.50	1.42829	30.00	0.00	5.97	5.42	0.00	1.43	1.33	0.00	5.55	0.16	0.00	0.00	0.00	0.42	1.69
3.40	1.43239	30.00	0.00	5.97	5.43	0.00	1.43	1.33	0.00	5.56	0.16	0.00	0.00	0.00	0.42	1.69
3.30	1.43650	30.00	0.00	5.98	5.45	0.00	1.43	1.32	0.00	5.57	0.16	0.00	0.00	0.00	0.42	1.69
3.20	1.44060	30.00	0.00	5.99	5.47	0.00	1.43	1.32	0.00	5.58	0.16	0.00	0.00	0.00	0.42	1.69
3.10	1.44471	30.00	0.00	6.00	5.48	0.00	1.42	1.31	0.00	5.58	0.16	0.00	0.00	0.00	0.42	1.69
3.00	1.44881	30.00	0.00	6.00	5.50	0.00	1.42	1.30	0.00	5.59	0.16	0.00	0.00	0.00	0.42	1.69

2.90	1.45291	30.00	0.00	6.01	5.51	0.00	1.42	1.30	0.00	5.60	0.16	0.00	0.00	0.00	0.42	1.69
2.80	1.45702	30.00	0.00	6.02	5.53	0.00	1.42	1.29	0.00	5.61	0.16	0.00	0.00	0.00	0.42	1.69
2.70	1.46112	30.00	0.00	6.02	5.54	0.00	1.42	1.29	0.00	5.61	0.16	0.00	0.00	0.00	0.42	1.69
2.60	1.46523	30.00	0.00	6.03	5.56	0.00	1.42	1.28	0.00	5.62	0.16	0.00	0.00	0.00	0.42	1.69
2.50	1.46933	30.00	0.00	6.04	5.57	0.00	1.41	1.28	0.00	5.63	0.16	0.00	0.00	0.00	0.42	1.69
2.40	1.47344	30.00	0.00	6.04	5.59	0.00	1.41	1.27	0.00	5.64	0.16	0.00	0.00	0.00	0.42	1.69
2.30	1.47754	30.00	0.00	6.05	5.60	0.00	1.41	1.27	0.00	5.65	0.16	0.00	0.00	0.00	0.42	1.69
2.20	1.48165	30.00	0.00	6.06	5.62	0.00	1.41	1.26	0.00	5.65	0.16	0.00	0.00	0.00	0.42	1.69
2.10	1.48575	30.00	0.00	6.06	5.63	0.00	1.41	1.25	0.00	5.66	0.16	0.00	0.00	0.00	0.42	1.69
2.00	1.48985	30.00	0.00	6.07	5.65	0.00	1.41	1.25	0.00	5.67	0.16	0.00	0.00	0.00	0.42	1.69
1.90	1.49396	30.00	0.00	6.08	5.66	0.00	1.41	1.24	0.00	5.68	0.16	0.00	0.00	0.00	0.42	1.69
1.80	1.49806	30.00	0.00	6.08	5.68	0.00	1.40	1.24	0.00	5.69	0.16	0.00	0.00	0.00	0.42	1.69
1.70	1.50217	30.00	0.00	6.09	5.69	0.00	1.40	1.23	0.00	5.69	0.16	0.00	0.00	0.00	0.42	1.69
1.60	1.50627	30.00	0.00	6.09	5.71	0.00	1.40	1.23	0.00	5.70	0.16	0.00	0.00	0.00	0.42	1.69
1.50	1.51038	30.00	0.00	6.10	5.72	0.00	1.40	1.22	0.00	5.71	0.16	0.00	0.00	0.00	0.42	1.69
1.40	1.51448	30.00	0.00	6.11	5.73	0.00	1.40	1.22	0.00	5.72	0.16	0.00	0.00	0.00	0.42	1.69
1.30	1.51858	30.00	0.00	6.11	5.75	0.00	1.40	1.21	0.00	5.72	0.16	0.00	0.00	0.00	0.42	1.69
1.20	1.52269	30.00	0.00	6.12	5.76	0.00	1.40	1.21	0.00	5.73	0.16	0.00	0.00	0.00	0.42	1.69
1.10	1.52679	30.00	0.00	6.12	5.78	0.00	1.39	1.20	0.00	5.74	0.16	0.00	0.00	0.00	0.42	1.69
1.00	1.53090	30.00	0.00	6.13	5.79	0.00	1.39	1.20	0.00	5.75	0.16	0.00	0.00	0.00	0.42	1.69
0.90	1.53500	30.00	0.00	6.13	5.80	0.00	1.39	1.19	0.00	5.75	0.16	0.00	0.00	0.00	0.42	1.69
0.80	1.53911	30.00	0.00	6.14	5.82	0.00	1.39	1.19	0.00	5.76	0.16	0.00	0.00	0.00	0.42	1.69
0.70	1.54321	30.00	0.00	6.14	5.83	0.00	1.39	1.18	0.00	5.77	0.16	0.00	0.00	0.00	0.42	1.69
0.60	1.54732	30.00	0.00	6.15	5.84	0.00	1.39	1.18	0.00	5.78	0.16	0.00	0.00	0.00	0.42	1.69
0.50	1.55142	30.00	0.00	6.15	5.86	0.00	1.39	1.17	0.00	5.79	0.16	0.00	0.00	0.00	0.42	1.69
0.40	1.55552	30.00	0.00	6.16	5.87	0.00	1.38	1.17	0.00	5.79	0.16	0.00	0.00	0.00	0.42	1.69
0.30	1.55963	30.00	0.00	6.16	5.88	0.00	1.38	1.16	0.00	5.80	0.16	0.00	0.00	0.00	0.42	1.69
0.20	1.56373	30.00	0.00	6.17	5.90	0.00	1.38	1.16	0.00	5.81	0.16	0.00	0.00	0.00	0.42	1.69
0.10	1.56784	30.00	0.00	6.17	5.91	0.00	1.38	1.16	0.00	5.82	0.16	0.00	0.00	0.00	0.42	1.69
0.00	1.57194	30.00	0.00	6.18	5.92	0.00	1.38	1.15	0.00	5.82	0.16	0.00	0.00	0.00	0.42	1.69

CONDENSED CAPSULE SUMMARY FOR Chamberlin Canal #1

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	g/m²/d
HDWTR	0.00050	30.00	0.00	6.00	2.60	0.00	0.33	0.10	0.00					
7.40	0.00055	30.00	0.00	5.39	2.73	0.00	0.36	0.08	0.00	8.42	0.21	0.00	0.00	0.00	0.41	1.88
7.30	0.00059	30.00	0.00	5.27	2.83	0.00	0.38	0.06	0.00	8.42	0.21	0.00	0.00	0.00	0.41	1.88
7.20	0.00064	30.00	0.00	5.25	2.91	0.00	0.40	0.05	0.00	8.44	0.21	0.00	0.00	0.00	0.41	1.88
7.10	0.00068	30.00	0.00	5.31	2.97	0.00	0.41	0.05	0.00	8.73	0.21	0.00	0.00	0.00	0.41	1.88
7.00	0.00073	30.00	0.00	5.37	3.03	0.00	0.43	0.04	0.00	9.02	0.21	0.00	0.00	0.00	0.41	1.88
6.90	0.00077	30.00	0.00	5.43	3.07	0.00	0.44	0.03	0.00	9.30	0.21	0.00	0.00	0.00	0.41	1.88
6.80	0.00082	30.00	0.00	5.49	3.11	0.00	0.45	0.03	0.00	9.57	0.21	0.00	0.00	0.00	0.41	1.88
6.70	0.00086	30.00	0.00	5.55	3.14	0.00	0.46	0.03	0.00	9.83	0.21	0.00	0.00	0.00	0.41	1.88
6.60	0.00091	30.00	0.00	5.60	3.17	0.00	0.47	0.02	0.00	10.08	0.21	0.00	0.00	0.00	0.42	1.88
6.50	0.00095	30.00	0.00	5.64	3.19	0.00	0.48	0.02	0.00	10.33	0.21	0.00	0.00	0.00	0.42	1.88
6.40	0.00100	30.00	0.00	5.69	3.21	0.00	0.49	0.02	0.00	10.58	0.21	0.00	0.00	0.00	0.42	1.88

6.30	0.00105	30.00	0.00	5.73	3.23	0.00	0.49	0.02	0.00	10.81	0.21	0.00	0.00	0.00	0.42	1.88
6.20	0.00109	30.00	0.00	5.77	3.24	0.00	0.50	0.02	0.00	11.05	0.21	0.00	0.00	0.00	0.42	1.88
6.10	0.00114	30.00	0.00	5.80	3.26	0.00	0.50	0.02	0.00	11.27	0.21	0.00	0.00	0.00	0.42	1.88
6.00	0.00118	30.00	0.00	5.84	3.27	0.00	0.51	0.02	0.00	11.50	0.21	0.00	0.00	0.00	0.42	1.88
5.90	0.00123	30.00	0.00	5.87	3.28	0.00	0.51	0.02	0.00	11.72	0.21	0.00	0.00	0.00	0.42	1.88
5.80	0.00127	30.00	0.00	5.90	3.29	0.00	0.52	0.02	0.00	11.93	0.21	0.00	0.00	0.00	0.42	1.88
5.70	0.00132	30.00	0.00	5.92	3.30	0.00	0.52	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.60	0.00136	30.00	0.00	5.92	3.31	0.00	0.53	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.50	0.00141	30.00	0.00	5.92	3.31	0.00	0.53	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.40	0.00145	30.00	0.00	5.92	3.32	0.00	0.53	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.30	0.00150	30.00	0.00	5.92	3.33	0.00	0.54	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.20	0.00155	30.00	0.00	5.92	3.33	0.00	0.54	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.10	0.00159	30.00	0.00	5.92	3.34	0.00	0.54	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
5.00	0.00164	30.00	0.00	5.92	3.34	0.00	0.55	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.90	0.00168	30.00	0.00	5.92	3.35	0.00	0.55	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.80	0.00173	30.00	0.00	5.92	3.35	0.00	0.55	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.70	0.00177	30.00	0.00	5.92	3.35	0.00	0.55	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.60	0.00182	30.00	0.00	5.92	3.36	0.00	0.55	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.50	0.00186	30.00	0.00	5.92	3.36	0.00	0.56	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.40	0.00191	30.00	0.00	5.92	3.36	0.00	0.56	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.30	0.00195	30.00	0.00	5.92	3.36	0.00	0.56	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.20	0.00200	30.00	0.00	5.92	3.37	0.00	0.56	0.01	0.00	12.03	0.21	0.00	0.00	0.00	0.42	1.88
4.10	0.00427	30.00	0.00	5.29	6.28	0.00	1.28	0.66	1.57	2.81	0.21	0.00	0.00	0.00	0.41	1.69
4.00	0.00439	30.00	0.00	5.06	5.83	0.00	1.26	0.56	3.14	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.90	0.00451	30.00	0.00	5.02	5.43	0.00	1.24	0.47	4.71	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.80	0.00463	30.00	0.00	5.06	5.08	0.00	1.22	0.40	6.29	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.70	0.00475	30.00	0.00	5.13	4.77	0.00	1.20	0.35	7.86	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.60	0.00486	30.00	0.00	5.22	4.49	0.00	1.18	0.30	9.43	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.50	0.00498	30.00	0.00	5.30	4.25	0.00	1.16	0.26	11.00	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.40	0.00510	30.00	0.00	5.38	4.03	0.00	1.15	0.23	12.57	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.30	0.00522	30.00	0.00	5.45	3.83	0.00	1.13	0.20	14.14	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.20	0.00534	30.00	0.00	5.52	3.66	0.00	1.12	0.18	15.71	2.81	0.21	0.00	0.00	0.00	0.41	1.69
3.10	0.00546	30.00	0.00	5.59	3.50	0.00	1.10	0.16	17.29	2.81	0.21	0.00	0.00	0.00	0.42	1.69
3.00	0.00558	30.00	0.00	5.66	3.36	0.00	1.09	0.14	18.86	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.90	0.00570	30.00	0.00	5.72	3.24	0.00	1.08	0.12	20.43	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.80	0.00582	30.00	0.00	5.78	3.12	0.00	1.07	0.11	22.00	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.70	0.00594	30.00	0.00	5.84	3.02	0.00	1.05	0.10	23.57	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.60	0.00605	30.00	0.00	5.90	2.92	0.00	1.04	0.09	25.14	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.50	0.00617	30.00	0.00	5.95	2.84	0.00	1.03	0.08	26.71	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.40	0.00629	30.00	0.00	6.01	2.76	0.00	1.02	0.08	28.29	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.30	0.00641	30.00	0.00	6.06	2.69	0.00	1.01	0.07	29.86	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.20	0.00653	30.00	0.00	6.11	2.62	0.00	1.00	0.06	31.43	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.10	0.00665	30.00	0.00	6.16	2.56	0.00	0.99	0.06	33.00	2.81	0.21	0.00	0.00	0.00	0.42	1.69
2.00	0.00677	30.00	0.00	6.21	2.51	0.00	0.98	0.06	34.57	2.81	0.21	0.00	0.00	0.00	0.42	1.69
1.90	0.00689	30.00	0.00	6.26	2.46	0.00	0.98	0.05	36.14	2.81	0.21	0.00	0.00	0.00	0.42	1.69
1.80	0.00701	30.00	0.00	6.31	2.41	0.00	0.97	0.05	37.71	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.70	0.00713	30.00	0.00	6.35	2.37	0.00	0.96	0.05	39.29	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.60	0.00725	30.00	0.00	6.40	2.33	0.00	0.95	0.04	40.86	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.50	0.00736	30.00	0.00	6.45	2.30	0.00	0.94	0.04	42.43	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.40	0.00748	30.00	0.00	6.49	2.26	0.00	0.94	0.04	44.00	2.81	0.21	0.00	0.00	0.00	0.43	1.69

1.30	0.00760	30.00	0.00	6.54	2.23	0.00	0.93	0.04	45.57	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.20	0.00772	30.00	0.00	6.59	2.20	0.00	0.92	0.04	47.14	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.10	0.00784	30.00	0.00	6.63	2.18	0.00	0.92	0.04	48.71	2.81	0.21	0.00	0.00	0.00	0.43	1.69
1.00	0.00796	30.00	0.00	6.68	2.15	0.00	0.91	0.03	50.29	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.90	0.00808	30.00	0.00	6.72	2.13	0.00	0.91	0.03	51.86	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.80	0.00820	30.00	0.00	6.77	2.11	0.00	0.90	0.03	53.43	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.70	0.00832	30.00	0.00	6.81	2.09	0.00	0.89	0.03	55.00	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.60	0.00844	30.00	0.00	6.85	2.07	0.00	0.89	0.03	56.57	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.50	0.00855	30.00	0.00	6.90	2.05	0.00	0.88	0.03	58.14	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.40	0.00867	30.00	0.00	6.94	2.04	0.00	0.88	0.03	59.71	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.30	0.00879	30.00	0.00	6.99	2.02	0.00	0.87	0.03	61.29	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.20	0.00891	30.00	0.00	7.03	2.01	0.00	0.87	0.03	62.86	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.10	0.00903	30.00	0.00	7.07	2.00	0.00	0.86	0.03	64.43	2.81	0.21	0.00	0.00	0.00	0.43	1.69
0.00	0.00915	30.00	0.00	7.12	1.98	0.00	0.86	0.03	66.00	2.81	0.21	0.00	0.00	0.00	0.43	1.69

CONDENSED CAPSULE SUMMARY FOR Intracoastal Waterwa

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	7.53000	30.00	0.00	7.40	0.55	0.00	0.28	0.03	0.00							
13.30	7.53000	30.00	0.00	7.38	0.55	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
13.20	7.53000	30.00	0.00	7.37	0.55	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
13.10	7.53000	30.00	0.00	7.35	0.55	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
13.00	7.53000	30.00	0.00	7.34	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.90	7.53000	30.00	0.00	7.33	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.80	7.53000	30.00	0.00	7.31	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.70	7.53000	30.00	0.00	7.30	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.60	7.53000	30.00	0.00	7.28	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.50	7.53105	30.00	0.00	7.27	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.40	7.53105	30.00	0.00	7.26	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.30	7.53105	30.00	0.00	7.24	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.20	7.53105	30.00	0.00	7.23	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.10	7.53105	30.00	0.00	7.22	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
12.00	7.53105	30.00	0.00	7.20	0.54	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.44	0.94
11.90	7.53105	30.00	0.00	7.19	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.80	7.53105	30.00	0.00	7.18	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.70	7.53105	30.00	0.00	7.16	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.60	7.53105	30.00	0.00	7.15	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.50	7.53105	30.00	0.00	7.14	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.40	7.53105	30.00	0.00	7.13	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.30	7.53105	30.00	0.00	7.11	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.20	7.53105	30.00	0.00	7.10	0.53	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.10	7.53105	30.00	0.00	7.09	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
11.00	7.53105	30.00	0.00	7.08	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.90	7.53105	30.00	0.00	7.07	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.80	7.53105	30.00	0.00	7.06	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.70	7.53105	30.00	0.00	7.04	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94

10.60	7.53105	30.00	0.00	7.03	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.50	7.53105	30.00	0.00	7.02	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.40	7.53105	30.00	0.00	7.01	0.52	0.00	0.28	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.30	7.53105	30.00	0.00	7.00	0.52	0.00	0.28	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.20	7.53105	30.00	0.00	6.99	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.10	7.53105	30.00	0.00	6.98	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
10.00	7.53105	30.00	0.00	6.97	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.90	7.53105	30.00	0.00	6.96	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.80	7.53105	30.00	0.00	6.95	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.70	7.53136	30.00	0.00	6.94	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.60	7.53136	30.00	0.00	6.93	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.50	7.53136	30.00	0.00	6.92	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.40	7.53136	30.00	0.00	6.91	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.30	7.53136	30.00	0.00	6.90	0.51	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.20	7.53136	30.00	0.00	6.89	0.50	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.10	7.53136	30.00	0.00	6.88	0.50	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
9.00	7.54450	30.00	0.00	6.87	0.52	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.90	7.54450	30.00	0.00	6.86	0.52	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.80	7.54450	30.00	0.00	6.85	0.52	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.70	7.54450	30.00	0.00	6.84	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.60	7.54450	30.00	0.00	6.83	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.50	7.54450	30.00	0.00	6.82	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.40	7.54450	30.00	0.00	6.81	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.30	7.54450	30.00	0.00	6.80	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.20	7.54450	30.00	0.00	6.79	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.10	7.54450	30.00	0.00	6.78	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
8.00	7.54450	30.00	0.00	6.77	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.90	7.54450	30.00	0.00	6.77	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.80	7.54450	30.00	0.00	6.76	0.51	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.70	7.54450	30.00	0.00	6.75	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.60	7.54450	30.00	0.00	6.74	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.50	7.54450	30.00	0.00	6.73	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.40	7.54450	30.00	0.00	6.72	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.30	7.54450	30.00	0.00	6.72	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.20	7.54450	30.00	0.00	6.71	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.10	7.54450	30.00	0.00	6.70	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
7.00	7.54450	30.00	0.00	6.69	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.90	7.54450	30.00	0.00	6.68	0.50	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.80	7.54450	30.00	0.00	6.68	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.70	7.54450	30.00	0.00	6.67	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.60	7.54450	30.00	0.00	6.66	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.50	7.54450	30.00	0.00	6.65	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.40	7.54450	30.00	0.00	6.65	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.30	7.54450	30.00	0.00	6.64	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.20	7.54450	30.00	0.00	6.63	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.10	7.54450	30.00	0.00	6.63	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
6.00	7.54450	30.00	0.00	6.62	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.90	7.54450	30.00	0.00	6.61	0.49	0.00	0.29	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.80	7.54450	30.00	0.00	6.61	0.49	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.70	7.54450	30.00	0.00	6.60	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94

5.60	7.54450	30.00	0.00	6.59	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.50	7.54450	30.00	0.00	6.59	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.40	7.54450	30.00	0.00	6.58	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.30	7.54450	30.00	0.00	6.57	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.20	7.54450	30.00	0.00	6.57	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.10	7.54450	30.00	0.00	6.56	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
5.00	7.54450	30.00	0.00	6.56	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.90	7.54450	30.00	0.00	6.55	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.80	7.54450	30.00	0.00	6.54	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.70	7.54450	30.00	0.00	6.54	0.48	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.60	7.54450	30.00	0.00	6.53	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.50	7.54450	30.00	0.00	6.53	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.40	7.54450	30.00	0.00	6.52	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.30	7.54450	30.00	0.00	6.51	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.20	7.54450	30.00	0.00	6.51	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.10	7.54450	30.00	0.00	6.50	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
4.00	7.54450	30.00	0.00	6.50	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.90	7.54450	30.00	0.00	6.49	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.80	7.54450	30.00	0.00	6.49	0.47	0.00	0.29	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.70	7.54450	30.00	0.00	6.48	0.47	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.60	7.54450	30.00	0.00	6.48	0.47	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.50	7.54450	30.00	0.00	6.47	0.47	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.40	7.54450	30.00	0.00	6.47	0.47	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.30	7.54450	30.00	0.00	6.46	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.20	7.54450	30.00	0.00	6.46	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.10	7.54450	30.00	0.00	6.45	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
3.00	7.54450	30.00	0.00	6.45	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.90	7.54450	30.00	0.00	6.44	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.80	7.54450	30.00	0.00	6.44	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.70	7.54450	30.00	0.00	6.43	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.60	7.54450	30.00	0.00	6.43	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.50	7.54450	30.00	0.00	6.42	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.40	7.54450	30.00	0.00	6.42	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.30	7.54450	30.00	0.00	6.42	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.20	7.54450	30.00	0.00	6.41	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.10	7.54450	30.00	0.00	6.41	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
2.00	7.54450	30.00	0.00	6.40	0.46	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.90	7.54450	30.00	0.00	6.40	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.80	7.54450	30.00	0.00	6.39	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.70	7.54450	30.00	0.00	6.39	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.60	7.54450	30.00	0.00	6.39	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.50	7.54450	30.00	0.00	6.38	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.40	7.54450	30.00	0.00	6.38	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.30	7.54450	30.00	0.00	6.37	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.20	7.54450	30.00	0.00	6.37	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.10	7.54450	30.00	0.00	6.37	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
1.00	7.54450	30.00	0.00	6.36	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.90	7.54450	30.00	0.00	6.36	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.80	7.54450	30.00	0.00	6.36	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.70	7.54450	30.00	0.00	6.35	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94

0.60	7.54450	30.00	0.00	6.35	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.50	7.54450	30.00	0.00	6.34	0.45	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.40	7.54450	30.00	0.00	6.34	0.44	0.00	0.30	0.02	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.30	7.56386	30.00	0.00	6.33	0.48	0.00	0.30	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.20	7.56386	30.00	0.00	6.33	0.48	0.00	0.30	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.10	7.56386	30.00	0.00	6.32	0.48	0.00	0.30	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94
0.00	7.56386	30.00	0.00	6.32	0.48	0.00	0.30	0.03	0.00	0.28	0.21	0.00	0.00	0.00	0.43	0.94

CONDENSED CAPSULE SUMMARY FOR Bayou Plaquemine

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	0.77000	30.00	0.00	5.00	0.74	0.00	0.24	0.00	58.00							
11.80	0.77000	30.00	0.00	5.26	0.78	0.00	0.24	0.00	57.51	0.77	0.17	0.00	0.00	0.00	0.41	0.94
11.70	0.77000	30.00	0.00	5.52	0.82	0.00	0.24	0.00	57.03	0.77	0.17	0.00	0.00	0.00	0.41	0.94
11.60	0.77000	30.00	0.00	5.76	0.86	0.00	0.24	0.00	56.54	0.77	0.17	0.00	0.00	0.00	0.42	0.94
11.50	0.77000	30.00	0.00	5.99	0.90	0.00	0.24	0.00	56.05	0.77	0.17	0.00	0.00	0.00	0.42	0.94
11.40	0.77000	30.00	0.00	6.20	0.94	0.00	0.24	0.00	55.56	0.77	0.17	0.00	0.00	0.00	0.42	0.94
11.30	0.77000	30.00	0.00	6.41	0.98	0.00	0.24	0.00	55.08	0.77	0.17	0.00	0.00	0.00	0.43	0.94
11.20	0.77000	30.00	0.00	6.61	1.02	0.00	0.24	0.00	54.59	0.77	0.17	0.00	0.00	0.00	0.43	0.94
11.10	0.77000	30.00	0.00	6.80	1.06	0.00	0.24	0.00	54.10	0.77	0.17	0.00	0.00	0.00	0.43	0.94
11.00	0.77000	30.00	0.00	6.98	1.09	0.00	0.24	0.00	53.61	0.77	0.17	0.00	0.00	0.00	0.43	0.94
10.90	0.77000	30.00	0.00	7.15	1.13	0.00	0.24	0.00	53.13	0.77	0.17	0.00	0.00	0.00	0.43	0.94
10.80	0.77000	30.00	0.00	7.32	1.17	0.00	0.24	0.00	52.64	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.70	0.77000	30.00	0.00	7.47	1.21	0.00	0.24	0.00	52.15	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.60	0.77000	30.00	0.00	7.62	1.24	0.00	0.24	0.00	51.66	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.50	0.77000	30.00	0.00	7.76	1.28	0.00	0.24	0.00	51.18	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.40	0.77000	30.00	0.00	7.89	1.31	0.00	0.24	0.00	50.69	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.30	0.77000	30.00	0.00	8.02	1.35	0.00	0.24	0.00	50.20	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.20	0.77000	30.00	0.00	8.14	1.39	0.00	0.24	0.00	49.71	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.10	0.77000	30.00	0.00	8.25	1.42	0.00	0.23	0.00	49.23	0.77	0.17	0.00	0.00	0.00	0.44	0.94
10.00	0.77000	30.00	0.00	8.35	1.46	0.00	0.23	0.00	48.74	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.90	0.77000	30.00	0.00	8.45	1.49	0.00	0.23	0.00	48.25	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.80	0.77000	30.00	0.00	8.55	1.52	0.00	0.23	0.00	47.76	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.70	0.77000	30.00	0.00	8.64	1.56	0.00	0.23	0.00	47.28	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.60	0.77000	30.00	0.00	8.72	1.59	0.00	0.23	0.01	46.79	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.50	0.77000	30.00	0.00	8.80	1.62	0.00	0.23	0.01	46.30	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.40	0.77000	30.00	0.00	8.87	1.66	0.00	0.23	0.01	45.82	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.30	0.77000	30.00	0.00	8.94	1.69	0.00	0.23	0.01	45.33	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.20	0.77000	30.00	0.00	9.00	1.72	0.00	0.23	0.01	44.84	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.10	0.77000	30.00	0.00	9.06	1.76	0.00	0.23	0.01	44.35	0.77	0.17	0.00	0.00	0.00	0.44	0.94
9.00	0.77000	30.00	0.00	9.12	1.79	0.00	0.23	0.01	43.87	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.90	0.83572	30.00	0.00	8.83	2.46	0.00	0.23	0.16	43.38	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.80	0.83572	30.00	0.00	8.87	2.48	0.00	0.23	0.16	42.89	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.70	0.83572	30.00	0.00	8.90	2.50	0.00	0.23	0.15	42.40	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.60	0.83572	30.00	0.00	8.93	2.53	0.00	0.23	0.15	41.92	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.50	0.83572	30.00	0.00	8.96	2.55	0.00	0.23	0.15	41.43	0.77	0.17	0.00	0.00	0.00	0.44	0.94

8.40	0.83572	30.00	0.00	8.99	2.57	0.00	0.23	0.15	40.94	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.30	0.83572	30.00	0.00	9.01	2.60	0.00	0.23	0.14	40.45	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.20	0.83572	30.00	0.00	9.03	2.62	0.00	0.23	0.14	39.97	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.10	0.83572	30.00	0.00	9.05	2.64	0.00	0.23	0.14	39.48	0.77	0.17	0.00	0.00	0.00	0.44	0.94
8.00	0.83572	30.00	0.00	9.07	2.67	0.00	0.23	0.14	38.99	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.90	0.83572	30.00	0.00	9.08	2.69	0.00	0.23	0.13	38.50	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.80	0.83572	30.00	0.00	9.09	2.71	0.00	0.23	0.13	38.02	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.70	0.83572	30.00	0.00	9.10	2.73	0.00	0.23	0.13	37.53	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.60	0.83572	30.00	0.00	9.11	2.75	0.00	0.23	0.13	37.04	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.50	0.83572	30.00	0.00	9.12	2.78	0.00	0.23	0.12	36.55	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.40	0.83572	30.00	0.00	9.12	2.80	0.00	0.23	0.12	36.07	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.30	0.83572	30.00	0.00	9.12	2.82	0.00	0.22	0.12	35.58	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.20	0.83572	30.00	0.00	9.12	2.84	0.00	0.22	0.12	35.09	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.10	0.83572	30.00	0.00	9.12	2.86	0.00	0.22	0.12	34.61	0.77	0.17	0.00	0.00	0.00	0.44	0.94
7.00	0.83572	30.00	0.00	9.12	2.88	0.00	0.22	0.11	34.12	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.90	0.83572	30.00	0.00	9.11	2.90	0.00	0.22	0.11	33.63	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.80	0.83572	30.00	0.00	9.11	2.92	0.00	0.22	0.11	33.14	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.70	0.83572	30.00	0.00	9.10	2.94	0.00	0.22	0.11	32.66	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.60	0.83572	30.00	0.00	9.09	2.96	0.00	0.22	0.11	32.17	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.50	0.83572	30.00	0.00	9.08	2.98	0.00	0.22	0.10	31.68	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.40	0.83572	30.00	0.00	9.07	3.00	0.00	0.22	0.10	31.19	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.30	0.83572	30.00	0.00	9.06	3.02	0.00	0.22	0.10	30.71	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.20	0.83572	30.00	0.00	9.04	3.04	0.00	0.22	0.10	30.22	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.10	0.83572	30.00	0.00	9.03	3.06	0.00	0.22	0.10	29.73	0.77	0.17	0.00	0.00	0.00	0.44	0.94
6.00	0.83572	30.00	0.00	9.01	3.08	0.00	0.22	0.10	29.24	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.90	0.83572	30.00	0.00	8.99	3.10	0.00	0.22	0.09	28.76	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.80	0.83572	30.00	0.00	8.97	3.12	0.00	0.22	0.09	28.27	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.70	0.83572	30.00	0.00	8.95	3.14	0.00	0.22	0.09	27.78	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.60	0.83572	30.00	0.00	8.93	3.15	0.00	0.22	0.09	27.29	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.50	0.83572	30.00	0.00	8.91	3.17	0.00	0.22	0.09	26.81	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.40	0.83572	30.00	0.00	8.89	3.19	0.00	0.22	0.09	26.32	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.30	0.83572	30.00	0.00	8.86	3.21	0.00	0.22	0.08	25.83	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.20	0.83572	30.00	0.00	8.84	3.23	0.00	0.22	0.08	25.34	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.10	0.83572	30.00	0.00	8.81	3.24	0.00	0.22	0.08	24.86	0.77	0.17	0.00	0.00	0.00	0.44	0.94
5.00	0.83572	30.00	0.00	8.78	3.26	0.00	0.22	0.08	24.37	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.90	0.83857	30.00	0.00	8.74	3.30	0.00	0.22	0.08	23.88	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.80	0.83857	30.00	0.00	8.72	3.32	0.00	0.22	0.08	23.39	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.70	0.83857	30.00	0.00	8.69	3.34	0.00	0.22	0.08	22.91	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.60	0.83962	30.00	0.00	8.65	3.39	0.00	0.22	0.08	22.42	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.50	0.83962	30.00	0.00	8.62	3.40	0.00	0.22	0.08	21.93	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.40	0.83962	30.00	0.00	8.59	3.42	0.00	0.22	0.08	21.45	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.30	0.83984	30.00	0.00	8.56	3.45	0.00	0.22	0.08	20.96	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.20	0.83984	30.00	0.00	8.52	3.46	0.00	0.22	0.08	20.47	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.10	0.83984	30.00	0.00	8.49	3.48	0.00	0.22	0.08	19.98	0.77	0.17	0.00	0.00	0.00	0.44	0.94
4.00	0.83984	30.00	0.00	8.46	3.49	0.00	0.22	0.07	19.50	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.90	0.83984	30.00	0.00	8.42	3.51	0.00	0.22	0.07	19.01	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.80	0.83984	30.00	0.00	8.39	3.53	0.00	0.22	0.07	18.52	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.70	0.83984	30.00	0.00	8.35	3.54	0.00	0.22	0.07	18.03	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.60	0.83984	30.00	0.00	8.32	3.56	0.00	0.22	0.07	17.55	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.50	0.83984	30.00	0.00	8.28	3.57	0.00	0.22	0.07	17.06	0.77	0.17	0.00	0.00	0.00	0.44	0.94

3.40	0.83984	30.00	0.00	8.24	3.59	0.00	0.22	0.07	16.57	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.30	0.83984	30.00	0.00	8.20	3.60	0.00	0.22	0.07	16.08	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.20	0.83995	30.00	0.00	8.17	3.62	0.00	0.21	0.07	15.60	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.10	0.83995	30.00	0.00	8.13	3.63	0.00	0.21	0.06	15.11	0.77	0.17	0.00	0.00	0.00	0.44	0.94
3.00	0.83995	30.00	0.00	8.09	3.65	0.00	0.21	0.06	14.62	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.90	0.83995	30.00	0.00	8.05	3.66	0.00	0.21	0.06	14.13	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.80	0.83995	30.00	0.00	8.01	3.68	0.00	0.21	0.06	13.65	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.70	0.83995	30.00	0.00	7.97	3.69	0.00	0.21	0.06	13.16	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.60	0.83995	30.00	0.00	7.93	3.71	0.00	0.21	0.06	12.67	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.50	0.83995	30.00	0.00	7.89	3.72	0.00	0.21	0.06	12.18	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.40	0.83995	30.00	0.00	7.85	3.73	0.00	0.21	0.06	11.70	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.30	0.83995	30.00	0.00	7.80	3.75	0.00	0.21	0.06	11.21	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.20	0.83995	30.00	0.00	7.76	3.76	0.00	0.21	0.06	10.72	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.10	0.83995	30.00	0.00	7.72	3.77	0.00	0.21	0.05	10.24	0.77	0.17	0.00	0.00	0.00	0.44	0.94
2.00	0.83995	30.00	0.00	7.68	3.79	0.00	0.21	0.05	9.75	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.90	0.83995	30.00	0.00	7.64	3.80	0.00	0.21	0.05	9.26	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.80	0.83995	30.00	0.00	7.59	3.81	0.00	0.21	0.05	8.77	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.70	0.83995	30.00	0.00	7.55	3.83	0.00	0.21	0.05	8.29	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.60	0.83995	30.00	0.00	7.51	3.84	0.00	0.21	0.05	7.80	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.50	0.83995	30.00	0.00	7.46	3.85	0.00	0.21	0.05	7.31	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.40	0.83995	30.00	0.00	7.42	3.87	0.00	0.21	0.05	6.82	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.30	0.83995	30.00	0.00	7.37	3.88	0.00	0.21	0.05	6.34	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.20	0.83995	30.00	0.00	7.33	3.89	0.00	0.21	0.05	5.85	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.10	0.83995	30.00	0.00	7.28	3.90	0.00	0.21	0.05	5.36	0.77	0.17	0.00	0.00	0.00	0.44	0.94
1.00	0.83995	30.00	0.00	7.24	3.92	0.00	0.21	0.05	4.87	0.77	0.17	0.00	0.00	0.00	0.44	0.94
0.90	0.83995	30.00	0.00	7.19	3.93	0.00	0.21	0.05	4.39	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.80	0.83995	30.00	0.00	7.15	3.94	0.00	0.21	0.04	3.90	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.70	0.83995	30.00	0.00	7.10	3.95	0.00	0.21	0.04	3.41	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.60	0.83995	30.00	0.00	7.06	3.96	0.00	0.21	0.04	2.92	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.50	0.83995	30.00	0.00	7.01	3.98	0.00	0.21	0.04	2.44	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.40	0.83995	30.00	0.00	6.96	3.99	0.00	0.21	0.04	1.95	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.30	0.83995	30.00	0.00	6.92	4.00	0.00	0.21	0.04	1.46	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.20	0.83995	30.00	0.00	6.87	4.01	0.00	0.21	0.04	0.97	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.10	0.83995	30.00	0.00	6.82	4.02	0.00	0.21	0.04	0.49	0.77	0.17	0.00	0.00	0.00	0.43	0.94
0.00	0.83995	30.00	0.00	6.78	4.04	0.00	0.21	0.04	0.00	0.77	0.17	0.00	0.00	0.00	0.43	0.94

CONDENSED CAPSULE SUMMARY FOR Upper Grand River #1

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	3.94000	30.00	0.00	5.00	6.40	0.00	0.56	0.03	32.00							
12.30	3.94000	30.00	0.00	5.00	6.31	0.00	0.56	0.03	32.07	0.83	0.47	0.00	0.00	0.00	0.41	1.88
12.20	3.94000	30.00	0.00	5.00	6.23	0.00	0.56	0.03	32.14	0.83	0.47	0.00	0.00	0.00	0.41	1.88
12.10	3.94000	30.00	0.00	5.00	6.15	0.00	0.56	0.03	32.21	0.83	0.47	0.00	0.00	0.00	0.41	1.88
12.00	3.94000	30.00	0.00	5.00	6.07	0.00	0.56	0.03	32.29	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.90	3.94000	30.00	0.00	5.00	5.98	0.00	0.56	0.03	32.36	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.80	3.94000	30.00	0.00	5.00	5.91	0.00	0.56	0.03	32.43	0.83	0.47	0.00	0.00	0.00	0.41	1.88

11.70	3.94000	30.00	0.00	5.01	5.83	0.00	0.56	0.03	32.50	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.60	3.94000	30.00	0.00	5.01	5.75	0.00	0.56	0.03	32.57	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.50	3.94000	30.00	0.00	5.02	5.67	0.00	0.56	0.03	32.64	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.40	3.94000	30.00	0.00	5.03	5.60	0.00	0.56	0.03	32.71	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.30	3.94000	30.00	0.00	5.03	5.52	0.00	0.56	0.03	32.79	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.20	3.94000	30.00	0.00	5.04	5.45	0.00	0.56	0.03	32.86	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.10	3.94000	30.00	0.00	5.05	5.38	0.00	0.55	0.03	32.93	0.83	0.47	0.00	0.00	0.00	0.41	1.88
11.00	3.94000	30.00	0.00	5.07	5.30	0.00	0.55	0.03	33.00	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.90	3.94000	30.00	0.00	5.08	5.23	0.00	0.55	0.03	33.07	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.80	3.94000	30.00	0.00	5.09	5.16	0.00	0.55	0.03	33.14	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.70	3.94000	30.00	0.00	5.10	5.10	0.00	0.55	0.03	33.21	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.60	3.94000	30.00	0.00	5.12	5.03	0.00	0.55	0.03	33.29	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.50	3.94000	30.00	0.00	5.13	4.96	0.00	0.55	0.03	33.36	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.40	3.94000	30.00	0.00	5.15	4.89	0.00	0.55	0.03	33.43	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.30	3.94000	30.00	0.00	5.17	4.83	0.00	0.55	0.03	33.50	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.20	3.94000	30.00	0.00	5.18	4.76	0.00	0.55	0.03	33.57	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.10	3.94000	30.00	0.00	5.20	4.70	0.00	0.55	0.03	33.64	0.83	0.47	0.00	0.00	0.00	0.41	1.88
10.00	3.94000	30.00	0.00	5.22	4.64	0.00	0.55	0.03	33.71	0.83	0.47	0.00	0.00	0.00	0.41	1.88
9.90	3.94000	30.00	0.00	5.24	4.58	0.00	0.55	0.03	33.79	0.83	0.47	0.00	0.00	0.00	0.41	1.88
9.80	3.94000	30.00	0.00	5.26	4.52	0.00	0.55	0.03	33.86	0.83	0.47	0.00	0.00	0.00	0.41	1.88
9.70	3.94000	30.00	0.00	5.28	4.46	0.00	0.55	0.03	33.93	0.83	0.47	0.00	0.00	0.00	0.41	1.88
9.60	3.94000	30.00	0.00	5.30	4.40	0.00	0.55	0.03	34.00	0.83	0.47	0.00	0.00	0.00	0.41	1.88
9.50	4.90829	30.00	0.00	5.36	4.27	0.00	0.56	0.04	34.07	0.92	0.47	0.00	0.00	0.00	0.41	1.88
9.40	4.90829	30.00	0.00	5.38	4.23	0.00	0.56	0.04	34.14	0.92	0.47	0.00	0.00	0.00	0.41	1.88
9.30	4.90829	30.00	0.00	5.40	4.18	0.00	0.56	0.04	34.21	0.92	0.47	0.00	0.00	0.00	0.41	1.88
9.20	4.90829	30.00	0.00	5.42	4.14	0.00	0.56	0.04	34.29	0.92	0.47	0.00	0.00	0.00	0.41	1.88
9.10	4.90829	30.00	0.00	5.44	4.09	0.00	0.56	0.04	34.36	0.92	0.47	0.00	0.00	0.00	0.41	1.88
9.00	4.90829	30.00	0.00	5.46	4.05	0.00	0.56	0.04	34.43	0.92	0.47	0.00	0.00	0.00	0.41	1.88
8.90	4.90829	30.00	0.00	5.49	4.00	0.00	0.56	0.04	34.50	0.92	0.47	0.00	0.00	0.00	0.41	1.88
8.80	4.90829	30.00	0.00	5.51	3.96	0.00	0.56	0.04	34.57	0.92	0.47	0.00	0.00	0.00	0.41	1.88
8.70	4.90829	30.00	0.00	5.53	3.92	0.00	0.56	0.04	34.64	0.92	0.47	0.00	0.00	0.00	0.41	1.88
8.60	4.90829	30.00	0.00	5.55	3.88	0.00	0.56	0.04	34.71	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.50	4.90829	30.00	0.00	5.57	3.84	0.00	0.56	0.04	34.79	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.40	4.90829	30.00	0.00	5.60	3.79	0.00	0.56	0.04	34.86	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.30	4.90829	30.00	0.00	5.62	3.75	0.00	0.56	0.04	34.93	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.20	4.90829	30.00	0.00	5.64	3.71	0.00	0.55	0.04	35.00	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.10	4.90829	30.00	0.00	5.67	3.67	0.00	0.55	0.04	35.07	0.92	0.47	0.00	0.00	0.00	0.42	1.88
8.00	4.90829	30.00	0.00	5.69	3.63	0.00	0.55	0.04	35.14	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.90	4.90829	30.00	0.00	5.71	3.59	0.00	0.55	0.04	35.21	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.80	4.90829	30.00	0.00	5.73	3.56	0.00	0.55	0.04	35.29	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.70	4.90829	30.00	0.00	5.76	3.52	0.00	0.55	0.04	35.36	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.60	4.90829	30.00	0.00	5.78	3.48	0.00	0.55	0.04	35.43	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.50	4.90829	30.00	0.00	5.80	3.44	0.00	0.55	0.04	35.50	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.40	4.90829	30.00	0.00	5.83	3.41	0.00	0.55	0.04	35.57	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.30	4.90829	30.00	0.00	5.85	3.37	0.00	0.55	0.04	35.64	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.20	4.90829	30.00	0.00	5.87	3.33	0.00	0.55	0.04	35.71	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.10	4.90829	30.00	0.00	5.90	3.30	0.00	0.55	0.04	35.79	0.92	0.47	0.00	0.00	0.00	0.42	1.88
7.00	4.90829	30.00	0.00	5.92	3.26	0.00	0.55	0.04	35.86	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.90	4.90829	30.00	0.00	5.94	3.23	0.00	0.55	0.04	35.93	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.80	4.90829	30.00	0.00	5.97	3.19	0.00	0.55	0.04	36.00	0.92	0.47	0.00	0.00	0.00	0.42	1.88

6.70	4.90829	30.00	0.00	5.99	3.16	0.00	0.55	0.04	36.07	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.60	4.90829	30.00	0.00	6.01	3.12	0.00	0.55	0.04	36.14	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.50	4.90829	30.00	0.00	6.04	3.09	0.00	0.55	0.04	36.21	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.40	4.90829	30.00	0.00	6.06	3.06	0.00	0.55	0.04	36.29	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.30	4.90829	30.00	0.00	6.08	3.03	0.00	0.55	0.04	36.36	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.20	4.90829	30.00	0.00	6.11	2.99	0.00	0.55	0.04	36.43	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.10	4.90829	30.00	0.00	6.13	2.96	0.00	0.55	0.04	36.50	0.92	0.47	0.00	0.00	0.00	0.42	1.88
6.00	4.90829	30.00	0.00	6.15	2.93	0.00	0.55	0.04	36.57	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.90	4.90829	30.00	0.00	6.18	2.90	0.00	0.55	0.04	36.64	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.80	4.90829	30.00	0.00	6.20	2.87	0.00	0.55	0.04	36.71	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.70	4.90829	30.00	0.00	6.22	2.84	0.00	0.55	0.04	36.79	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.60	4.90829	30.00	0.00	6.25	2.81	0.00	0.55	0.04	36.86	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.50	4.90829	30.00	0.00	6.27	2.78	0.00	0.55	0.04	36.93	0.92	0.47	0.00	0.00	0.00	0.42	1.88
5.40	4.90829	30.00	0.00	6.29	2.75	0.00	0.55	0.04	37.00	0.92	0.47	0.00	0.00	0.00	0.43	1.88
5.30	4.90829	30.00	0.00	6.31	2.72	0.00	0.55	0.04	37.07	0.92	0.47	0.00	0.00	0.00	0.43	1.88
5.20	4.90829	30.00	0.00	6.34	2.69	0.00	0.55	0.04	37.14	0.92	0.47	0.00	0.00	0.00	0.43	1.88
5.10	4.90829	30.00	0.00	6.36	2.66	0.00	0.55	0.04	37.21	0.92	0.47	0.00	0.00	0.00	0.43	1.88
5.00	4.90829	30.00	0.00	6.38	2.63	0.00	0.55	0.04	37.29	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.90	4.90829	30.00	0.00	6.41	2.60	0.00	0.54	0.04	37.36	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.80	4.90829	30.00	0.00	6.43	2.57	0.00	0.54	0.04	37.43	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.70	4.90829	30.00	0.00	6.45	2.55	0.00	0.54	0.04	37.50	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.60	4.90829	30.00	0.00	6.48	2.52	0.00	0.54	0.04	37.57	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.50	4.90829	30.00	0.00	6.50	2.49	0.00	0.54	0.04	37.64	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.40	4.90829	30.00	0.00	6.52	2.46	0.00	0.54	0.04	37.71	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.30	4.90829	30.00	0.00	6.54	2.44	0.00	0.54	0.04	37.79	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.20	4.90829	30.00	0.00	6.57	2.41	0.00	0.54	0.04	37.86	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.10	4.90829	30.00	0.00	6.59	2.39	0.00	0.54	0.04	37.93	0.92	0.47	0.00	0.00	0.00	0.43	1.88
4.00	4.90829	30.00	0.00	6.61	2.36	0.00	0.54	0.04	38.00	0.92	0.47	0.00	0.00	0.00	0.43	1.88
3.90	6.87829	30.00	0.00	6.43	2.41	0.00	0.55	0.04	37.05	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.80	6.87829	30.00	0.00	6.45	2.39	0.00	0.55	0.04	36.10	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.70	6.87829	30.00	0.00	6.46	2.38	0.00	0.55	0.04	35.15	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.60	6.87829	30.00	0.00	6.48	2.36	0.00	0.55	0.04	34.20	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.50	6.87829	30.00	0.00	6.49	2.34	0.00	0.55	0.04	33.25	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.40	6.87829	30.00	0.00	6.50	2.33	0.00	0.55	0.04	32.30	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.30	6.87829	30.00	0.00	6.51	2.31	0.00	0.55	0.04	31.35	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.20	6.87829	30.00	0.00	6.52	2.30	0.00	0.55	0.04	30.40	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.10	6.87829	30.00	0.00	6.53	2.29	0.00	0.55	0.04	29.45	0.93	0.47	0.00	0.00	0.00	0.43	1.88
3.00	6.87829	30.00	0.00	6.54	2.27	0.00	0.55	0.04	28.50	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.90	6.87829	30.00	0.00	6.55	2.26	0.00	0.55	0.04	27.55	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.80	6.87829	30.00	0.00	6.56	2.24	0.00	0.55	0.04	26.60	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.70	6.87829	30.00	0.00	6.56	2.23	0.00	0.55	0.04	25.65	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.60	6.87829	30.00	0.00	6.57	2.21	0.00	0.55	0.04	24.70	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.50	6.87829	30.00	0.00	6.57	2.20	0.00	0.55	0.04	23.75	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.40	6.87829	30.00	0.00	6.57	2.18	0.00	0.55	0.04	22.80	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.30	6.87829	30.00	0.00	6.57	2.17	0.00	0.55	0.04	21.85	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.20	6.87829	30.00	0.00	6.57	2.16	0.00	0.55	0.04	20.90	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.10	6.87829	30.00	0.00	6.57	2.14	0.00	0.55	0.04	19.95	0.93	0.47	0.00	0.00	0.00	0.43	1.88
2.00	6.87829	30.00	0.00	6.57	2.13	0.00	0.55	0.04	19.00	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.90	6.87829	30.00	0.00	6.57	2.12	0.00	0.55	0.04	18.05	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.80	6.87829	30.00	0.00	6.57	2.10	0.00	0.55	0.04	17.10	0.93	0.47	0.00	0.00	0.00	0.43	1.88

1.70	6.87829	30.00	0.00	6.56	2.09	0.00	0.55	0.04	16.15	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.60	6.87829	30.00	0.00	6.56	2.08	0.00	0.55	0.04	15.20	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.50	6.87829	30.00	0.00	6.55	2.06	0.00	0.55	0.04	14.25	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.40	6.87829	30.00	0.00	6.54	2.05	0.00	0.55	0.04	13.30	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.30	6.87829	30.00	0.00	6.54	2.04	0.00	0.55	0.04	12.35	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.20	6.87829	30.00	0.00	6.53	2.02	0.00	0.55	0.04	11.40	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.10	6.87829	30.00	0.00	6.52	2.01	0.00	0.55	0.04	10.45	0.93	0.47	0.00	0.00	0.00	0.43	1.88
1.00	6.87829	30.00	0.00	6.51	2.00	0.00	0.55	0.04	9.50	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.90	6.87829	30.00	0.00	6.50	1.98	0.00	0.55	0.04	8.55	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.80	6.87829	30.00	0.00	6.49	1.97	0.00	0.55	0.04	7.60	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.70	6.87829	30.00	0.00	6.48	1.96	0.00	0.55	0.04	6.65	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.60	6.87829	30.00	0.00	6.46	1.95	0.00	0.55	0.04	5.70	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.50	6.87829	30.00	0.00	6.45	1.93	0.00	0.55	0.04	4.75	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.40	6.87829	30.00	0.00	6.43	1.92	0.00	0.55	0.04	3.80	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.30	6.87829	30.00	0.00	6.42	1.91	0.00	0.55	0.04	2.85	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.20	6.87829	30.00	0.00	6.40	1.90	0.00	0.55	0.04	1.90	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.10	6.87829	30.00	0.00	6.39	1.88	0.00	0.55	0.04	0.95	0.93	0.47	0.00	0.00	0.00	0.43	1.88
0.00	6.87829	30.00	0.00	6.37	1.87	0.00	0.55	0.04	0.00	0.93	0.47	0.00	0.00	0.00	0.43	1.88

CONDENSED CAPSULE SUMMARY FOR Lower Flat River

DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	REAER ORGN	BOD1 NH3	BOD1 CHLA	BOD2 RATE	BOD2 DECA	NH3 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	g/m²/d
HDWTR	1.97000	30.00	0.00	5.50	4.80	0.00	0.56	0.03	0.00						
4.30	1.97000	30.00	0.00	5.44	4.73	0.00	0.56	0.03	0.86	1.30	0.47	0.00	0.00	0.00	0.41	1.88
4.20	1.97000	30.00	0.00	5.39	4.67	0.00	0.56	0.03	1.73	1.30	0.47	0.00	0.00	0.00	0.41	1.88
4.10	1.97000	30.00	0.00	5.35	4.60	0.00	0.56	0.03	2.59	1.30	0.47	0.00	0.00	0.00	0.41	1.88
4.00	1.97000	30.00	0.00	5.31	4.54	0.00	0.56	0.03	3.45	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.90	1.97000	30.00	0.00	5.27	4.47	0.00	0.56	0.03	4.32	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.80	1.97000	30.00	0.00	5.24	4.41	0.00	0.56	0.03	5.18	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.70	1.97000	30.00	0.00	5.21	4.35	0.00	0.56	0.03	6.05	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.60	1.97000	30.00	0.00	5.19	4.29	0.00	0.56	0.03	6.91	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.50	1.97000	30.00	0.00	5.17	4.22	0.00	0.56	0.03	7.77	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.40	1.97000	30.00	0.00	5.15	4.17	0.00	0.56	0.03	8.64	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.30	1.97000	30.00	0.00	5.13	4.11	0.00	0.56	0.03	9.50	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.20	1.97000	30.00	0.00	5.12	4.05	0.00	0.56	0.03	10.36	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.10	1.97000	30.00	0.00	5.12	3.99	0.00	0.57	0.03	11.23	1.30	0.47	0.00	0.00	0.00	0.41	1.88
3.00	1.97000	30.00	0.00	5.11	3.94	0.00	0.57	0.03	12.09	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.90	1.97000	30.00	0.00	5.11	3.88	0.00	0.57	0.03	12.95	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.80	1.97000	30.00	0.00	5.11	3.83	0.00	0.57	0.03	13.82	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.70	1.97000	30.00	0.00	5.12	3.77	0.00	0.57	0.03	14.68	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.60	1.97000	30.00	0.00	5.12	3.72	0.00	0.57	0.03	15.55	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.50	1.97000	30.00	0.00	5.13	3.67	0.00	0.57	0.03	16.41	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.40	1.97000	30.00	0.00	5.14	3.61	0.00	0.57	0.03	17.27	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.30	1.97000	30.00	0.00	5.16	3.56	0.00	0.57	0.03	18.14	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.20	1.97000	30.00	0.00	5.17	3.51	0.00	0.57	0.03	19.00	1.30	0.47	0.00	0.00	0.00	0.41	1.88
2.10	1.97000	30.00	0.00	5.19	3.46	0.00	0.57	0.03	19.86	1.30	0.47	0.00	0.00	0.00	0.41	1.88

2.00	1.97000	30.00	0.00	5.21	3.42	0.00	0.57	0.03	20.73	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.90	1.97000	30.00	0.00	5.23	3.37	0.00	0.57	0.03	21.59	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.80	1.97000	30.00	0.00	5.26	3.32	0.00	0.57	0.03	22.45	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.70	1.97000	30.00	0.00	5.28	3.27	0.00	0.57	0.03	23.32	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.60	1.97000	30.00	0.00	5.31	3.23	0.00	0.57	0.03	24.18	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.50	1.97000	30.00	0.00	5.34	3.18	0.00	0.57	0.03	25.05	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.40	1.97000	30.00	0.00	5.37	3.14	0.00	0.57	0.03	25.91	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.30	1.97000	30.00	0.00	5.40	3.09	0.00	0.57	0.03	26.77	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.20	1.97000	30.00	0.00	5.43	3.05	0.00	0.57	0.03	27.64	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.10	1.97000	30.00	0.00	5.47	3.01	0.00	0.57	0.03	28.50	1.30	0.47	0.00	0.00	0.00	0.41	1.88
1.00	1.97000	30.00	0.00	5.50	2.96	0.00	0.57	0.03	29.36	1.30	0.47	0.00	0.00	0.00	0.41	1.88
0.90	1.97000	30.00	0.00	5.54	2.92	0.00	0.57	0.03	30.23	1.30	0.47	0.00	0.00	0.00	0.41	1.88
0.80	1.97000	30.00	0.00	5.58	2.88	0.00	0.57	0.03	31.09	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.70	1.97000	30.00	0.00	5.62	2.84	0.00	0.58	0.03	31.95	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.60	1.97000	30.00	0.00	5.66	2.80	0.00	0.58	0.03	32.82	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.50	1.97000	30.00	0.00	5.70	2.76	0.00	0.58	0.03	33.68	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.40	1.97000	30.00	0.00	5.74	2.72	0.00	0.58	0.03	34.55	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.30	1.97000	30.00	0.00	5.78	2.68	0.00	0.58	0.03	35.41	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.20	1.97000	30.00	0.00	5.83	2.65	0.00	0.58	0.03	36.27	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.10	1.97000	30.00	0.00	5.87	2.61	0.00	0.58	0.03	37.14	1.30	0.47	0.00	0.00	0.00	0.42	1.88
0.00	1.97000	30.00	0.00	5.92	2.57	0.00	0.58	0.03	38.00	1.30	0.47	0.00	0.00	0.00	0.42	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	ADVEC DISP	MEAN DEPTH	DO WIDTH	REAER VELO	BOD1 VELO	BOD1 SAT	BOD2 RATE	BOD2 DECA	NH3 SETT	DECA SETT	DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	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		0.095	30.0	0.0	5.0	3.1	0.0	1.6	0.0	0.0												
1 B1	1	55.50	0.095	30.0	0.0	5.1	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
2 B1	1	55.40	0.095	30.0	0.0	5.1	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
3 B1	1	55.30	0.095	30.0	0.0	5.2	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
4 B1	1	55.20	0.095	30.0	0.0	5.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
5 B1	1	55.10	0.095	30.0	0.0	5.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
6 B1	1	55.00	0.095	30.0	0.0	5.4	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
7 B1	1	54.90	0.095	30.0	0.0	5.5	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
8 B1	1	54.80	0.095	30.0	0.0	5.5	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.41	1.31
9 B1	1	54.70	0.095	30.0	0.0	5.6	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
10 B1	1	54.60	0.095	30.0	0.0	5.6	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
11 B1	1	54.50	0.095	30.0	0.0	5.7	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
12 B1	1	54.40	0.095	30.0	0.0	5.7	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
13 B1	1	54.30	0.095	30.0	0.0	5.8	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
14 B1	1	54.20	0.095	30.0	0.0	5.8	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
15 B1	1	54.10	0.095	30.0	0.0	5.9	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
16 B1	1	54.00	0.095	30.0	0.0	5.9	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
17 B1	1	53.90	0.095	30.0	0.0	5.9	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
18 B1	1	53.80	0.095	30.0	0.0	6.0	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
19 B1	1	53.70	0.095	30.0	0.0	6.0	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
20 B1	1	53.60	0.095	30.0	0.0	6.1	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
21 B1	1	53.50	0.095	30.0	0.0	6.1	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31

22	B1	1	53.40	0.095	30.0	0.0	6.1	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
23	B1	1	53.30	0.095	30.0	0.0	6.2	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
24	B1	1	53.20	0.095	30.0	0.0	6.2	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
25	B1	1	53.10	0.095	30.0	0.0	6.2	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
26	B1	1	53.00	0.095	30.0	0.0	6.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
27	B1	1	52.90	0.095	30.0	0.0	6.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.31
28	B1	1	52.80	0.095	30.0	0.0	6.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.43	1.31
29	B1	1	52.70	0.095	30.0	0.0	6.3	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.43	1.31
30	B1	1	52.60	0.095	30.0	0.0	6.4	3.1	0.0	1.6	0.0	0.0	0.0	0.25	1.0	0.379	0.379	7.6	12.029	0.21	0.00	0.00	0.00	0.43	1.31
31	B2	2	52.50	0.101	30.0	0.0	6.2	3.2	0.0	1.5	0.0	0.0	0.0	1.00	10.0	0.010	0.010	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
32	B2	2	52.40	0.107	30.0	0.0	6.0	3.3	0.0	1.5	0.0	0.0	0.0	1.00	10.0	0.011	0.011	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
33	B2	2	52.30	0.113	30.0	0.0	5.9	3.4	0.0	1.5	0.0	0.0	0.0	1.00	10.0	0.011	0.011	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
34	B2	2	52.20	0.119	30.0	0.0	5.8	3.4	0.0	1.4	0.0	0.0	0.0	1.00	10.0	0.012	0.012	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
35	B2	2	52.10	0.126	30.0	0.0	5.7	3.5	0.0	1.4	0.0	0.0	0.0	1.00	10.0	0.013	0.013	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
36	B2	2	52.00	0.132	30.0	0.0	5.6	3.6	0.0	1.4	0.0	0.0	0.0	1.00	10.0	0.013	0.013	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
37	B2	2	51.90	0.138	30.0	0.0	5.6	3.6	0.0	1.4	0.0	0.0	0.0	1.00	10.0	0.014	0.014	7.6	0.842	0.21	0.00	0.00	0.00	0.42	1.31
38	B2	2	51.80	0.144	30.0	0.0	5.5	3.7	0.0	1.4	0.0	0.0	0.0	1.00	10.0	0.014	0.014	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
39	B2	2	51.70	0.150	30.0	0.0	5.5	3.7	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.015	0.015	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
40	B2	2	51.60	0.156	30.0	0.0	5.4	3.7	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.016	0.016	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
41	B2	2	51.50	0.163	30.0	0.0	5.4	3.8	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.016	0.016	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
42	B2	2	51.40	0.169	30.0	0.0	5.3	3.8	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.017	0.017	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
43	B2	2	51.30	0.175	30.0	0.0	5.3	3.8	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.017	0.017	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
44	B2	2	51.20	0.181	30.0	0.0	5.3	3.9	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.018	0.018	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
45	B2	2	51.10	0.187	30.0	0.0	5.3	3.9	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.019	0.019	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
46	B2	2	51.00	0.193	30.0	0.0	5.2	3.9	0.0	1.3	0.0	0.0	0.0	1.00	10.0	0.019	0.019	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
47	B2	2	50.90	0.199	30.0	0.0	5.2	3.9	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.020	0.020	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
48	B2	2	50.80	0.206	30.0	0.0	5.2	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.021	0.021	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
49	B2	2	50.70	0.212	30.0	0.0	5.2	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.021	0.021	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
50	B2	2	50.60	0.218	30.0	0.0	5.2	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.022	0.022	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
51	B2	2	50.50	0.224	30.0	0.0	5.2	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.022	0.022	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
52	B2	2	50.40	0.230	30.0	0.0	5.1	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.023	0.023	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
53	B2	2	50.30	0.236	30.0	0.0	5.1	4.0	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.024	0.024	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
54	B2	2	50.20	0.243	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.024	0.024	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
55	B2	2	50.10	0.249	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.025	0.025	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
56	B2	2	50.00	0.255	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.025	0.025	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
57	B2	2	49.90	0.261	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.026	0.026	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
58	B2	2	49.80	0.267	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.027	0.027	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
59	B2	2	49.70	0.273	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.027	0.027	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
60	B2	2	49.60	0.279	30.0	0.0	5.1	4.1	0.0	1.2	0.0	0.0	0.0	1.00	10.0	0.028	0.028	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
61	B2	2	49.50	0.286	30.0	0.0	5.1	4.1	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.029	0.029	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
62	B2	2	49.40	0.292	30.0	0.0	5.1	4.1	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.029	0.029	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
63	B2	2	49.30	0.298	30.0	0.0	5.1	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.030	0.030	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
64	B2	2	49.20	0.304	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.030	0.030	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
65	B2	2	49.10	0.310	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.031	0.031	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
66	B2	2	49.00	0.316	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.032	0.032	7.6	0.842	0.21	0.00	0.00	0.00	0.41	1.31
67	B2	2	48.90	0.323	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.032	0.032	7.6	0.849	0.21	0.00	0.00	0.00	0.41	1.31
68	B2	2	48.80	0.329	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.033	0.033	7.6	0.858	0.21	0.00	0.00	0.00	0.41	1.31
69	B2	2	48.70	0.335	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.033	0.033	7.6	0.866	0.21	0.00	0.00	0.00	0.41	1.31
70	B2	2	48.60	0.341	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.034	0.034	7.6	0.873	0.21	0.00	0.00	0.00	0.41	1.31
71	B2	2	48.50	0.347	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.035	0.035	7.6	0.881	0.21	0.00	0.00	0.00	0.41	1.31

72	B2	2	48.40	0.353	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.035	0.035	7.6	0.889	0.21	0.00	0.00	0.00	0.41	1.31
73	B2	2	48.30	0.360	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.036	0.036	7.6	0.897	0.21	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	ADVEC CHLA	MEAN DISP	DO DEPTH	REAER WIDTH	BOD1 VELO	BOD1 VELO	BOD2 SAT	BOD2 RATE	NH3 DECA	SETT 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
74	B2	2	48.20	0.366	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.037	0.037	7.6	0.904	0.21	0.00	0.00	0.00	0.41	1.31
75	B2	2	48.10	0.372	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.037	0.037	7.6	0.912	0.21	0.00	0.00	0.00	0.41	1.31
76	B2	2	48.00	0.378	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.038	0.038	7.6	0.920	0.21	0.00	0.00	0.00	0.41	1.31
77	B2	2	47.90	0.384	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.038	0.038	7.6	0.927	0.21	0.00	0.00	0.00	0.41	1.31
78	B2	2	47.80	0.390	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.039	0.039	7.6	0.934	0.21	0.00	0.00	0.00	0.41	1.31
79	B2	2	47.70	0.396	30.0	0.0	5.0	4.2	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.040	0.040	7.6	0.942	0.21	0.00	0.00	0.00	0.41	1.31
80	B2	2	47.60	0.403	30.0	0.0	5.0	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.040	0.040	7.6	0.949	0.21	0.00	0.00	0.00	0.41	1.31
81	B2	2	47.50	0.409	30.0	0.0	5.0	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.041	0.041	7.6	0.956	0.21	0.00	0.00	0.00	0.41	1.31
82	B2	2	47.40	0.415	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.041	0.041	7.6	0.963	0.21	0.00	0.00	0.00	0.41	1.31
83	B2	2	47.30	0.421	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.042	0.042	7.6	0.971	0.21	0.00	0.00	0.00	0.41	1.31
84	B2	2	47.20	0.427	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.043	0.043	7.6	0.978	0.21	0.00	0.00	0.00	0.41	1.31
85	B2	2	47.10	0.433	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.043	0.043	7.6	0.985	0.21	0.00	0.00	0.00	0.41	1.31
86	B2	2	47.00	0.440	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.044	0.044	7.6	0.992	0.21	0.00	0.00	0.00	0.41	1.31
87	B2	2	46.90	0.446	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.045	0.045	7.6	0.998	0.21	0.00	0.00	0.00	0.41	1.31
88	B2	2	46.80	0.452	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.045	0.045	7.6	1.005	0.21	0.00	0.00	0.00	0.41	1.31
89	B2	2	46.70	0.458	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.046	0.046	7.6	1.012	0.21	0.00	0.00	0.00	0.41	1.31
90	B2	2	46.60	0.464	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.046	0.046	7.6	1.019	0.21	0.00	0.00	0.00	0.41	1.31
91	B2	2	46.50	0.470	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.047	0.047	7.6	1.026	0.21	0.00	0.00	0.00	0.41	1.31
92	B2	2	46.40	0.476	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.048	0.048	7.6	1.032	0.21	0.00	0.00	0.00	0.41	1.31
93	B2	2	46.30	0.483	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.048	0.048	7.6	1.039	0.21	0.00	0.00	0.00	0.41	1.31
94	B2	2	46.20	0.489	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.049	0.049	7.6	1.046	0.21	0.00	0.00	0.00	0.41	1.31
95	B2	2	46.10	0.495	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.049	0.049	7.6	1.052	0.21	0.00	0.00	0.00	0.41	1.31
96	B2	2	46.00	0.501	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.050	0.050	7.6	1.059	0.21	0.00	0.00	0.00	0.41	1.31
97	B2	2	45.90	0.507	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.051	0.051	7.6	1.065	0.21	0.00	0.00	0.00	0.41	1.31
98	B2	2	45.80	0.513	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.051	0.051	7.6	1.072	0.21	0.00	0.00	0.00	0.41	1.31
99	B2	2	45.70	0.520	30.0	0.0	5.1	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.052	0.052	7.6	1.078	0.21	0.00	0.00	0.00	0.41	1.31
100	B2	2	45.60	0.526	30.0	0.0	5.2	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.053	0.053	7.6	1.084	0.21	0.00	0.00	0.00	0.41	1.31
101	B2	2	45.50	0.532	30.0	0.0	5.2	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.053	0.053	7.6	1.091	0.21	0.00	0.00	0.00	0.41	1.31
102	B2	2	45.40	0.538	30.0	0.0	5.2	4.3	0.0	1.1	0.0	0.0	0.0	1.00	10.0	0.054	0.054	7.6	1.097	0.21	0.00	0.00	0.00	0.41	1.31
103	B2	2	45.30	0.544	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.054	0.054	7.6	1.103	0.21	0.00	0.00	0.00	0.41	1.31
104	B2	2	45.20	0.550	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.055	0.055	7.6	1.110	0.21	0.00	0.00	0.00	0.41	1.31
105	B2	2	45.10	0.556	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.056	0.056	7.6	1.116	0.21	0.00	0.00	0.00	0.41	1.31
106	B2	2	45.00	0.563	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.056	0.056	7.6	1.122	0.21	0.00	0.00	0.00	0.41	1.31
107	B2	2	44.90	0.569	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.057	0.057	7.6	1.128	0.21	0.00	0.00	0.00	0.41	1.31
108	B2	2	44.80	0.575	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.057	0.057	7.6	1.134	0.21	0.00	0.00	0.00	0.41	1.31
109	B2	2	44.70	0.581	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.058	0.058	7.6	1.140	0.21	0.00	0.00	0.00	0.41	1.31
110	B2	2	44.60	0.587	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.059	0.059	7.6	1.146	0.21	0.00	0.00	0.00	0.41	1.31
111	B2	2	44.50	0.593	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.059	0.059	7.6	1.152	0.21	0.00	0.00	0.00	0.41	1.31
112	B2	2	44.40	0.600	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.060	0.060	7.6	1.158	0.21	0.00	0.00	0.00	0.41	1.31
113	B2	2	44.30	0.606	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.061	0.061	7.6	1.164	0.21	0.00	0.00	0.00	0.41	1.31
114	B2	2	44.20	0.612	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.061	0.061	7.6	1.170	0.21	0.00	0.00	0.00	0.41	1.31

115	B2	2	44.10	0.618	30.0	0.0	5.2	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.062	0.062	7.6	1.176	0.21	0.00	0.00	0.00	0.41	1.31
116	B2	2	44.00	0.624	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.062	0.062	7.6	1.182	0.21	0.00	0.00	0.00	0.41	1.31
117	B2	2	43.90	0.630	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.063	0.063	7.6	1.187	0.21	0.00	0.00	0.00	0.41	1.31
118	B2	2	43.80	0.636	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.064	0.064	7.6	1.193	0.21	0.00	0.00	0.00	0.41	1.31
119	B2	2	43.70	0.643	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.064	0.064	7.6	1.199	0.21	0.00	0.00	0.00	0.41	1.31
120	B2	2	43.60	0.649	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.065	0.065	7.6	1.205	0.21	0.00	0.00	0.00	0.41	1.31
121	B2	2	43.50	0.655	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.065	0.065	7.6	1.210	0.21	0.00	0.00	0.00	0.41	1.31
122	B2	2	43.40	0.661	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.066	0.066	7.6	1.216	0.21	0.00	0.00	0.00	0.41	1.31
123	B2	2	43.30	0.667	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.067	0.067	7.6	1.222	0.21	0.00	0.00	0.00	0.41	1.31
124	B2	2	43.20	0.673	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.067	0.067	7.6	1.227	0.21	0.00	0.00	0.00	0.41	1.31
125	B2	2	43.10	0.680	30.0	0.0	5.3	4.3	0.0	1.0	0.0	0.0	0.0	1.00	10.0	0.068	0.068	7.6	1.233	0.21	0.00	0.00	0.00	0.41	1.31
TRIBUTARY # 126 (Bayou Poydras #1) ENTERS HERE																									
229	CH	5	43.00	2.251	30.0	0.0	5.8	5.4	0.0	1.3	0.8	1.5	0.0	2.40	34.0	0.028	0.028	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 230 (Stumpy Bayou) ENTERS HERE																									
230	CH	5	42.90	2.631	30.0	0.0	5.6	5.1	0.0	1.1	0.7	3.1	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
231	CH	5	42.80	2.631	30.0	0.0	5.6	5.1	0.0	1.1	0.7	4.6	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
232	CH	5	42.70	2.631	30.0	0.0	5.5	5.1	0.0	1.1	0.7	6.1	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
233	CH	5	42.60	2.631	30.0	0.0	5.4	5.1	0.0	1.1	0.7	7.7	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
234	CH	5	42.50	2.631	30.0	0.0	5.4	5.1	0.0	1.1	0.7	9.2	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
235	CH	5	42.40	2.631	30.0	0.0	5.4	5.1	0.0	1.1	0.6	10.7	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
236	CH	5	42.30	2.631	30.0	0.0	5.3	5.1	0.0	1.1	0.6	12.3	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
237	CH	5	42.20	2.631	30.0	0.0	5.3	5.1	0.0	1.1	0.6	13.8	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
238	CH	5	42.10	2.631	30.0	0.0	5.3	5.1	0.0	1.1	0.6	15.3	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
239	CH	5	42.00	2.631	30.0	0.0	5.2	5.1	0.0	1.1	0.6	16.9	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
240	CH	5	41.90	2.631	30.0	0.0	5.2	5.1	0.0	1.1	0.6	18.4	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
241	CH	5	41.80	2.631	30.0	0.0	5.2	5.1	0.0	1.1	0.6	20.0	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
242	CH	5	41.70	2.631	30.0	0.0	5.2	5.1	0.0	1.1	0.6	21.5	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
243	CH	5	41.60	2.631	30.0	0.0	5.2	5.0	0.0	1.1	0.6	23.0	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
244	CH	5	41.50	2.631	30.0	0.0	5.2	5.0	0.0	1.1	0.6	24.6	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
245	CH	5	41.40	2.631	30.0	0.0	5.2	5.0	0.0	1.1	0.6	26.1	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
246	CH	5	41.30	2.631	30.0	0.0	5.2	5.0	0.0	1.1	0.6	27.6	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
247	CH	5	41.20	2.631	30.0	0.0	5.2	5.0	0.0	1.1	0.6	29.2	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
248	CH	5	41.10	2.631	30.0	0.0	5.3	5.0	0.0	1.1	0.5	30.7	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	ADVEC DISP	MEAN DEPTH	DO WIDTH	REAER VELO	BOD1 VELO	BOD1 SAT	BOD2 RATE	BOD2 DECA	NH3 SETT	DECA SETT	DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	g/m²/d
249	CH	5	41.00	2.631	30.0	0.0	5.3	5.0	0.0	1.1	0.5	32.2	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
250	CH	5	40.90	2.631	30.0	0.0	5.3	5.0	0.0	1.1	0.5	33.8	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
251	CH	5	40.80	2.631	30.0	0.0	5.4	5.0	0.0	1.1	0.5	35.3	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
252	CH	5	40.70	2.631	30.0	0.0	5.4	5.0	0.0	1.1	0.5	36.8	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
253	CH	5	40.60	2.631	30.0	0.0	5.4	5.0	0.0	1.1	0.5	38.4	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
254	CH	5	40.50	2.631	30.0	0.0	5.5	5.0	0.0	1.1	0.5	39.9	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
255	CH	5	40.40	2.631	30.0	0.0	5.5	5.0	0.0	1.1	0.5	41.4	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.41	1.88
256	CH	5	40.30	2.631	30.0	0.0	5.6	5.0	0.0	1.1	0.5	43.0	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
257	CH	5	40.20	2.631	30.0	0.0	5.7	5.0	0.0	1.1	0.5	44.5	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
258	CH	5	40.10	2.631	30.0	0.0	5.7	5.0	0.0	1.1	0.5	46.0	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88

259	CH	5	40.00	2.631	30.0	0.0	5.8	5.0	0.0	1.1	0.5	47.6	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
260	CH	5	39.90	2.631	30.0	0.0	5.9	5.0	0.0	1.1	0.5	49.1	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
261	CH	5	39.80	2.631	30.0	0.0	5.9	5.0	0.0	1.1	0.5	50.7	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
262	CH	5	39.70	2.631	30.0	0.0	6.0	5.0	0.0	1.1	0.5	52.2	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
263	CH	5	39.60	2.631	30.0	0.0	6.1	5.0	0.0	1.1	0.4	53.7	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
264	CH	5	39.50	2.631	30.0	0.0	6.2	5.0	0.0	1.1	0.4	55.3	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
265	CH	5	39.40	2.631	30.0	0.0	6.3	5.0	0.0	1.1	0.4	56.8	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.42	1.88
266	CH	5	39.30	2.631	30.0	0.0	6.4	4.9	0.0	1.1	0.4	58.3	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
267	CH	5	39.20	2.631	30.0	0.0	6.5	4.9	0.0	1.1	0.4	59.9	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
268	CH	5	39.10	2.631	30.0	0.0	6.6	4.9	0.0	1.1	0.4	61.4	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
269	CH	5	39.00	2.631	30.0	0.0	6.7	4.9	0.0	1.1	0.4	62.9	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
270	CH	5	38.90	2.631	30.0	0.0	6.8	4.9	0.0	1.1	0.4	64.5	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
WASTELOAD # 271 (LAG530786) ENTERS HERE																									
271	CH	5	38.80	2.631	30.0	0.0	6.9	4.9	0.0	1.1	0.4	66.0	0.0	2.40	34.0	0.032	0.032	7.6	0.351	0.17	0.00	0.00	0.00	0.43	1.88
TRIBUTARY # 272 (Chamberlin Canal #1) ENTERS HERE																									
347	CW	8	38.70	2.640	30.0	0.0	7.1	4.9	0.0	1.1	0.4	65.1	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.43	1.88
348	CW	8	38.60	2.640	30.0	0.0	7.2	4.9	0.0	1.1	0.4	64.2	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
349	CW	8	38.50	2.640	30.0	0.0	7.4	4.9	0.0	1.1	0.4	63.3	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
350	CW	8	38.40	2.640	30.0	0.0	7.5	4.9	0.0	1.1	0.4	62.4	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
351	CW	8	38.30	2.640	30.0	0.0	7.7	4.8	0.0	1.1	0.4	61.5	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
352	CW	8	38.20	2.640	30.0	0.0	7.8	4.8	0.0	1.1	0.4	60.6	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
353	CW	8	38.10	2.640	30.0	0.0	8.0	4.8	0.0	1.1	0.3	59.7	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
354	CW	8	38.00	2.640	30.0	0.0	8.1	4.8	0.0	1.1	0.3	58.8	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
355	CW	8	37.90	2.640	30.0	0.0	8.2	4.8	0.0	1.1	0.3	57.9	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
356	CW	8	37.80	2.640	30.0	0.0	8.4	4.8	0.0	1.1	0.3	57.0	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
357	CW	8	37.70	2.640	30.0	0.0	8.5	4.8	0.0	1.1	0.3	56.1	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
358	CW	8	37.60	2.640	30.0	0.0	8.6	4.8	0.0	1.1	0.3	55.2	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
359	CW	8	37.50	2.640	30.0	0.0	8.7	4.7	0.0	1.1	0.3	54.2	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
360	CW	8	37.40	2.640	30.0	0.0	8.8	4.7	0.0	1.1	0.3	53.3	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
361	CW	8	37.30	2.640	30.0	0.0	8.9	4.7	0.0	1.1	0.3	52.4	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
362	CW	8	37.20	2.640	30.0	0.0	9.0	4.7	0.0	1.1	0.3	51.5	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
363	CW	8	37.10	2.640	30.0	0.0	9.1	4.7	0.0	1.1	0.3	50.6	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
364	CW	8	37.00	2.640	30.0	0.0	9.2	4.7	0.0	1.1	0.3	49.7	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
365	CW	8	36.90	2.640	30.0	0.0	9.2	4.7	0.0	1.1	0.3	48.8	0.0	2.80	47.0	0.020	0.020	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
WASTELOAD # 366 (Unknown Trib #1) ENTERS HERE																									
366	CW	8	36.80	2.875	30.0	0.0	9.0	4.4	0.0	1.0	0.4	47.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
WASTELOAD # 367 (PS 120103) ENTERS HERE																									
367	CW	8	36.70	2.894	30.0	0.0	9.0	4.5	0.0	1.0	0.4	47.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
368	CW	8	36.60	2.894	30.0	0.0	9.1	4.5	0.0	1.0	0.4	46.1	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
369	CW	8	36.50	2.894	30.0	0.0	9.1	4.5	0.0	1.0	0.4	45.2	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
370	CW	8	36.40	2.894	30.0	0.0	9.2	4.5	0.0	1.0	0.3	44.3	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
371	CW	8	36.30	2.894	30.0	0.0	9.2	4.5	0.0	1.0	0.3	43.4	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
372	CW	8	36.20	2.894	30.0	0.0	9.2	4.5	0.0	1.0	0.3	42.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
373	CW	8	36.10	2.894	30.0	0.0	9.3	4.5	0.0	1.0	0.3	41.6	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
374	CW	8	36.00	2.894	30.0	0.0	9.3	4.5	0.0	1.0	0.3	40.7	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
375	CW	8	35.90	2.894	30.0	0.0	9.3	4.5	0.0	1.0	0.3	39.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
376	CW	8	35.80	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	38.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
377	CW	8	35.70	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	38.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
378	CW	8	35.60	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	37.1	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
379	CW	8	35.50	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	36.2	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88

380	CW	8	35.40	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	35.3	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
381	CW	8	35.30	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	34.4	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
382	CW	8	35.20	2.894	30.0	0.0	9.5	4.4	0.0	1.0	0.3	33.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
383	CW	8	35.10	2.894	30.0	0.0	9.5	4.4	0.0	1.0	0.3	32.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
384	CW	8	35.00	2.894	30.0	0.0	9.5	4.4	0.0	1.0	0.3	31.6	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
385	CW	8	34.90	2.894	30.0	0.0	9.5	4.4	0.0	1.0	0.3	30.7	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
386	CW	8	34.80	2.894	30.0	0.0	9.4	4.4	0.0	1.0	0.3	29.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
387	CW	8	34.70	2.894	30.0	0.0	9.4	4.3	0.0	1.0	0.3	28.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
388	CW	8	34.60	2.894	30.0	0.0	9.4	4.3	0.0	1.0	0.2	28.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
389	CW	8	34.50	2.894	30.0	0.0	9.4	4.3	0.0	1.0	0.2	27.1	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
390	CW	8	34.40	2.894	30.0	0.0	9.4	4.3	0.0	1.0	0.2	26.2	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
391	CW	8	34.30	2.894	30.0	0.0	9.4	4.3	0.0	1.0	0.2	25.3	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
392	CW	8	34.20	2.894	30.0	0.0	9.3	4.3	0.0	1.0	0.2	24.4	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
393	CW	8	34.10	2.894	30.0	0.0	9.3	4.3	0.0	1.0	0.2	23.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	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
394	CW	8	34.00	2.894	30.0	0.0	9.3	4.3	0.0	1.0	0.2	22.6	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
395	CW	8	33.90	2.894	30.0	0.0	9.3	4.3	0.0	1.0	0.2	21.7	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
396	CW	8	33.80	2.894	30.0	0.0	9.2	4.3	0.0	1.0	0.2	20.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
397	CW	8	33.70	2.894	30.0	0.0	9.2	4.3	0.0	1.0	0.2	19.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
398	CW	8	33.60	2.894	30.0	0.0	9.1	4.3	0.0	1.0	0.2	19.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
399	CW	8	33.50	2.894	30.0	0.0	9.1	4.3	0.0	1.0	0.2	18.1	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
400	CW	8	33.40	2.894	30.0	0.0	9.0	4.2	0.0	1.0	0.2	17.2	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
401	CW	8	33.30	2.894	30.0	0.0	9.0	4.2	0.0	1.0	0.2	16.3	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
402	CW	8	33.20	2.894	30.0	0.0	8.9	4.2	0.0	1.0	0.2	15.4	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
403	CW	8	33.10	2.894	30.0	0.0	8.9	4.2	0.0	1.0	0.2	14.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
404	CW	8	33.00	2.894	30.0	0.0	8.8	4.2	0.0	1.0	0.2	13.6	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
405	CW	8	32.90	2.894	30.0	0.0	8.8	4.2	0.0	1.0	0.2	12.7	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
406	CW	8	32.80	2.894	30.0	0.0	8.7	4.2	0.0	1.0	0.2	11.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
407	CW	8	32.70	2.894	30.0	0.0	8.7	4.2	0.0	1.0	0.2	10.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
408	CW	8	32.60	2.894	30.0	0.0	8.6	4.2	0.0	1.0	0.2	9.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
409	CW	8	32.50	2.894	30.0	0.0	8.5	4.2	0.0	1.0	0.2	9.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
410	CW	8	32.40	2.894	30.0	0.0	8.4	4.2	0.0	1.0	0.2	8.1	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
411	CW	8	32.30	2.894	30.0	0.0	8.4	4.2	0.0	1.0	0.2	7.2	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
412	CW	8	32.20	2.894	30.0	0.0	8.3	4.2	0.0	1.0	0.2	6.3	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
413	CW	8	32.10	2.894	30.0	0.0	8.2	4.2	0.0	1.0	0.2	5.4	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
414	CW	8	32.00	2.894	30.0	0.0	8.1	4.2	0.0	1.0	0.2	4.5	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
415	CW	8	31.90	2.894	30.0	0.0	8.1	4.1	0.0	1.0	0.2	3.6	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
416	CW	8	31.80	2.894	30.0	0.0	8.0	4.1	0.0	1.0	0.2	2.7	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
417	CW	8	31.70	2.894	30.0	0.0	7.9	4.1	0.0	1.0	0.2	1.8	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
418	CW	8	31.60	2.894	30.0	0.0	7.8	4.1	0.0	1.0	0.2	0.9	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
419	CW	8	31.50	2.894	30.0	0.0	7.7	4.1	0.0	1.0	0.1	0.0	0.0	2.80	47.0	0.022	0.022	7.6	0.301	0.17	0.00	0.00	0.00	0.44	1.88
TRIBUTARY # 420 (Intracoastal Waterwa) ENTERS HERE																									
554	I2	10	31.40	10.458	30.0	0.0	6.7	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
555	I2	10	31.30	10.458	30.0	0.0	6.7	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88

556	I2	10	31.20	10.458	30.0	0.0	6.6	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
557	I2	10	31.10	10.458	30.0	0.0	6.6	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
558	I2	10	31.00	10.458	30.0	0.0	6.6	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
559	I2	10	30.90	10.458	30.0	0.0	6.6	1.5	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
560	I2	10	30.80	10.458	30.0	0.0	6.6	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
561	I2	10	30.70	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
562	I2	10	30.60	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
563	I2	10	30.50	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
564	I2	10	30.40	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
565	I2	10	30.30	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
WASTELOAD # 566 (LAG531616) ENTERS HERE																									
566	I2	10	30.20	10.458	30.0	0.0	6.5	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
567	I2	10	30.10	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
568	I2	10	30.00	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
569	I2	10	29.90	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
570	I2	10	29.80	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
571	I2	10	29.70	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
572	I2	10	29.60	10.458	30.0	0.0	6.4	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
573	I2	10	29.50	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
574	I2	10	29.40	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
575	I2	10	29.30	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.43	1.88
576	I2	10	29.20	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
577	I2	10	29.10	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
578	I2	10	29.00	10.458	30.0	0.0	6.3	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
579	I2	10	28.90	10.458	30.0	0.0	6.2	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
580	I2	10	28.80	10.458	30.0	0.0	6.2	1.4	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
581	I2	10	28.70	10.458	30.0	0.0	6.2	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
582	I2	10	28.60	10.458	30.0	0.0	6.2	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
583	I2	10	28.50	10.458	30.0	0.0	6.2	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
584	I2	10	28.40	10.458	30.0	0.0	6.2	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
585	I2	10	28.30	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
586	I2	10	28.20	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
587	I2	10	28.10	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
588	I2	10	28.00	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
589	I2	10	27.90	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
590	I2	10	27.80	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
591	I2	10	27.70	10.458	30.0	0.0	6.1	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
592	I2	10	27.60	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
593	I2	10	27.50	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
594	I2	10	27.40	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
595	I2	10	27.30	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.1	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
596	I2	10	27.20	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
597	I2	10	27.10	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
598	I2	10	27.00	10.458	30.0	0.0	6.0	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
599	I2	10	26.90	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	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
600 I2 10	26.80	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
601 I2 10	26.70	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
602 I2 10	26.60	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
603 I2 10	26.50	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
604 I2 10	26.40	10.458	30.0	0.0	5.9	1.3	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
605 I2 10	26.30	10.458	30.0	0.0	5.9	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
606 I2 10	26.20	10.458	30.0	0.0	5.9	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
607 I2 10	26.10	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
608 I2 10	26.00	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
609 I2 10	25.90	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
610 I2 10	25.80	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
611 I2 10	25.70	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
612 I2 10	25.60	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
613 I2 10	25.50	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
614 I2 10	25.40	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
615 I2 10	25.30	10.458	30.0	0.0	5.8	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
616 I2 10	25.20	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
617 I2 10	25.10	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
618 I2 10	25.00	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
619 I2 10	24.90	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
620 I2 10	24.80	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
621 I2 10	24.70	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
622 I2 10	24.60	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 623 (Unknown Trib #2) ENTERS HERE																							
623 I2 10	24.50	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
624 I2 10	24.40	10.458	30.0	0.0	5.7	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
625 I2 10	24.30	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
626 I2 10	24.20	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
627 I2 10	24.10	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
628 I2 10	24.00	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
629 I2 10	23.90	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
630 I2 10	23.80	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
631 I2 10	23.70	10.458	30.0	0.0	5.6	1.2	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
632 I2 10	23.60	10.458	30.0	0.0	5.6	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
633 I2 10	23.50	10.458	30.0	0.0	5.6	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
634 I2 10	23.40	10.458	30.0	0.0	5.6	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.42	1.88
635 I2 10	23.30	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
636 I2 10	23.20	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
637 I2 10	23.10	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
638 I2 10	23.00	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
639 I2 10	22.90	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
640 I2 10	22.80	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
641 I2 10	22.70	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
642 I2 10	22.60	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
643 I2 10	22.50	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
644 I2 10	22.40	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
645 I2 10	22.30	10.458	30.0	0.0	5.5	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
646 I2 10	22.20	10.458	30.0	0.0	5.4	1.1	0.0	0.5	0.0	0.0	0.0	3.00	76.0	0.046	0.046	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88

```
647 I2 10   22.10  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
648 I2 10   22.00  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
649 I2 10   21.90  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
650 I2 10   21.80  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
651 I2 10   21.70  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
652 I2 10   21.60  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
653 I2 10   21.50  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
654 I2 10   21.40  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
655 I2 10   21.30  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
      WASTELOAD # 656 (Unknown Trib #3) ENTERS HERE
656 I2 10   21.20  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
657 I2 10   21.10  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
658 I2 10   21.00  10.458 30.0  0.0  5.4   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
659 I2 10   20.90  10.458 30.0  0.0  5.3   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
660 I2 10   20.80  10.458 30.0  0.0  5.3   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
661 I2 10   20.70  10.458 30.0  0.0  5.3   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
662 I2 10   20.60  10.458 30.0  0.0  5.3   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
663 I2 10   20.50  10.458 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
664 I2 10   20.40  10.458 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
665 I2 10   20.30  10.458 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
      WASTELOAD # 666 (PS 120109#3) ENTERS HERE
666 I2 10   20.20  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
667 I2 10   20.10  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
668 I2 10   20.00  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
669 I2 10   19.90  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
670 I2 10   19.80  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88


EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1
                                                                ADVEC   MEAN   DO   REAER BOD1 BOD1 BOD2 BOD2  NH3
IOR REACH    DIST   FLOW  TEMP SALN   DO EBOD1 EBOD2ORG-N  NH3 CHLA   DISP  DEPTH WIDTH   VELO   VELO   SAT   RATE DECA SETT DECA SETT DECA   SOD
          km    m³/s deg C  ppt mg/L  mg/L  mg/L mg/L mg/L µg/L   m²/s      m     m    m/s    m/s  mg/L   1/da 1/da 1/da 1/da 1/da 1/da  g/m²/d

671 I2 10   19.70  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
672 I2 10   19.60  10.463 30.0  0.0  5.3   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
673 I2 10   19.50  10.463 30.0  0.0  5.2   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
      WASTELOAD # 674 (Unknown Trib #4) ENTERS HERE
674 I2 10   19.40  10.463 30.0  0.0  5.2   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
675 I2 10   19.30  10.463 30.0  0.0  5.2   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
676 I2 10   19.20  10.463 30.0  0.0  5.2   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
677 I2 10   19.10  10.463 30.0  0.0  5.2   1.0   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.046  0.046   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
      WASTELOAD # 678 (Bayou Grosse Tete #2) ENTERS HERE
678 I2 10   19.00  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
679 I2 10   18.90  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
680 I2 10   18.80  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
681 I2 10   18.70  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
682 I2 10   18.60  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
683 I2 10   18.50  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
684 I2 10   18.40  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
685 I2 10   18.30  11.822 30.0  0.0  5.2   1.1   0.0  0.6  0.0  0.0    0.0   3.00  76.0  0.052  0.052   7.6  0.281 0.21 0.00 0.00 0.00 0.41  1.88
```

686	I2	10	18.20	11.822	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
687	I2	10	18.10	11.822	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
688	I2	10	18.00	11.822	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
689	I2	10	17.90	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
690	I2	10	17.80	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
691	I2	10	17.70	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
692	I2	10	17.60	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
693	I2	10	17.50	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
694	I2	10	17.40	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
695	I2	10	17.30	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
696	I2	10	17.20	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
697	I2	10	17.10	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
698	I2	10	17.00	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
699	I2	10	16.90	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
700	I2	10	16.80	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
701	I2	10	16.70	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
702	I2	10	16.60	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
WASTELOAD # 703 (LAG531362) ENTERS HERE																									
703	I2	10	16.50	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
704	I2	10	16.40	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
705	I2	10	16.30	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
706	I2	10	16.20	11.822	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
707	I2	10	16.10	11.822	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
708	I2	10	16.00	11.822	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
709	I2	10	15.90	11.822	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.00	76.0	0.052	0.052	7.6	0.281	0.21	0.00	0.00	0.00	0.41	1.88
TRIBUTARY # 710 (Bayou Plaquemine) ENTERS HERE																									
829	I3	12	15.80	12.662	30.0	0.0	5.1	1.2	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
830	I3	12	15.70	12.662	30.0	0.0	5.1	1.2	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
831	I3	12	15.60	12.662	30.0	0.0	5.1	1.2	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
832	I3	12	15.50	12.662	30.0	0.0	5.1	1.2	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
833	I3	12	15.40	12.662	30.0	0.0	5.1	1.2	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
834	I3	12	15.30	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
835	I3	12	15.20	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
836	I3	12	15.10	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
837	I3	12	15.00	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
838	I3	12	14.90	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
839	I3	12	14.80	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
840	I3	12	14.70	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
841	I3	12	14.60	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
842	I3	12	14.50	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
843	I3	12	14.40	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
844	I3	12	14.30	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
845	I3	12	14.20	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
846	I3	12	14.10	12.662	30.0	0.0	5.1	1.1	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
847	I3	12	14.00	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
848	I3	12	13.90	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
849	I3	12	13.80	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
850	I3	12	13.70	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
851	I3	12	13.60	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
852	I3	12	13.50	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31

853	I3 12	13.40	12.662	30.0	0.0	5.1	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
854	I3 12	13.30	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
855	I3 12	13.20	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
856	I3 12	13.10	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
857	I3 12	13.00	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
858	I3 12	12.90	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
859	I3 12	12.80	12.662	30.0	0.0	5.0	1.0	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	ADVEC DEPTH	MEAN WIDTH	DO VELO	REAER VELO	BOD1 SAT	BOD1 RATE	BOD2 DECA	BOD2 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	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
860	I3 12	12.70	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
861	I3 12	12.60	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
862	I3 12	12.50	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
863	I3 12	12.40	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
864	I3 12	12.30	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
865	I3 12	12.20	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
866	I3 12	12.10	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
867	I3 12	12.00	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
868	I3 12	11.90	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
869	I3 12	11.80	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
870	I3 12	11.70	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
871	I3 12	11.60	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
872	I3 12	11.50	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
873	I3 12	11.40	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
874	I3 12	11.30	12.662	30.0	0.0	5.0	0.9	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
875	I3 12	11.20	12.662	30.0	0.0	5.0	0.8	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
876	I3 12	11.10	12.662	30.0	0.0	5.0	0.8	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
877	I3 12	11.00	12.662	30.0	0.0	5.0	0.8	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
878	I3 12	10.90	12.662	30.0	0.0	5.0	0.8	0.0	0.6	0.0	0.0	0.0	3.20	80.0	0.049	0.049	7.6	0.263	0.32	0.00	0.00	0.00	0.41	1.31
TRIBUTARY # 879 (Upper Grand River #1) ENTERS HERE																								
1047	I4 16	10.80	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1048	I4 16	10.70	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1049	I4 16	10.60	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1050	I4 16	10.50	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1051	I4 16	10.40	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1052	I4 16	10.30	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1053	I4 16	10.20	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1054	I4 16	10.10	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1055	I4 16	10.00	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1056	I4 16	9.90	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1057	I4 16	9.80	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1058	I4 16	9.70	19.540	30.0	0.0	5.5	1.2	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1059	I4 16	9.60	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1060	I4 16	9.50	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1061	I4 16	9.40	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1062	I4 16	9.30	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31

1063	I4 16	9.20	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1064	I4 16	9.10	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1065	I4 16	9.00	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1066	I4 16	8.90	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1067	I4 16	8.80	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1068	I4 16	8.70	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1069	I4 16	8.60	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1070	I4 16	8.50	19.540	30.0	0.0	5.5	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1071	I4 16	8.40	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1072	I4 16	8.30	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1073	I4 16	8.20	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1074	I4 16	8.10	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1075	I4 16	8.00	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1076	I4 16	7.90	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1077	I4 16	7.80	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1078	I4 16	7.70	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1079	I4 16	7.60	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1080	I4 16	7.50	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1081	I4 16	7.40	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1082	I4 16	7.30	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1083	I4 16	7.20	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1084	I4 16	7.10	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1085	I4 16	7.00	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1086	I4 16	6.90	19.540	30.0	0.0	5.4	1.1	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1087	I4 16	6.80	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1088	I4 16	6.70	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1089	I4 16	6.60	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1090	I4 16	6.50	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1091	I4 16	6.40	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1092	I4 16	6.30	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1093	I4 16	6.20	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1094	I4 16	6.10	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1095	I4 16	6.00	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1096	I4 16	5.90	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1097	I4 16	5.80	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1098	I4 16	5.70	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1099	I4 16	5.60	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1100	I4 16	5.50	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Cholpe #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	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
1101	I4 16	5.40	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1102	I4 16	5.30	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1103	I4 16	5.20	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1104	I4 16	5.10	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1105	I4 16	5.00	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31

1106	I4	16	4.90	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1107	I4	16	4.80	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1108	I4	16	4.70	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1109	I4	16	4.60	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1110	I4	16	4.50	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1111	I4	16	4.40	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1112	I4	16	4.30	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1113	I4	16	4.20	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1114	I4	16	4.10	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1115	I4	16	4.00	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1116	I4	16	3.90	19.540	30.0	0.0	5.4	1.0	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1117	I4	16	3.80	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1118	I4	16	3.70	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1119	I4	16	3.60	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1120	I4	16	3.50	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1121	I4	16	3.40	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1122	I4	16	3.30	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1123	I4	16	3.20	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1124	I4	16	3.10	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1125	I4	16	3.00	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1126	I4	16	2.90	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1127	I4	16	2.80	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1128	I4	16	2.70	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1129	I4	16	2.60	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1130	I4	16	2.50	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1131	I4	16	2.40	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1132	I4	16	2.30	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1133	I4	16	2.20	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1134	I4	16	2.10	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1135	I4	16	2.00	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1136	I4	16	1.90	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1137	I4	16	1.80	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1138	I4	16	1.70	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1139	I4	16	1.60	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1140	I4	16	1.50	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1141	I4	16	1.40	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1142	I4	16	1.30	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1143	I4	16	1.20	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1144	I4	16	1.10	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1145	I4	16	1.00	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1146	I4	16	0.90	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1147	I4	16	0.80	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1148	I4	16	0.70	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1149	I4	16	0.60	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1150	I4	16	0.50	19.540	30.0	0.0	5.4	0.9	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1151	I4	16	0.40	19.540	30.0	0.0	5.4	0.8	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1152	I4	16	0.30	19.540	30.0	0.0	5.4	0.8	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1153	I4	16	0.20	19.540	30.0	0.0	5.4	0.8	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1154	I4	16	0.10	19.540	30.0	0.0	5.4	0.8	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31
1155	I4	16	0.00	19.540	30.0	0.0	5.4	0.8	0.0	0.6	0.0	0.0	0.0	2.50	70.0	0.112	0.112	7.6	0.400	0.32	0.00	0.00	0.00	0.41	1.31

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

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 CHLA m²/s	MEAN DISP m	DO DEPTH m	REAER WIDTH m	BOD1 VELO m/s	BOD1 VELO m/s	BOD2 SAT mg/L	BOD2 RATE 1/da	NH3 DECA 1/da	SETT DECA 1/da	SETT DECA 1/da	SETT DECA 1/da	SOD g/m²/d
	WASTELOAD # 126 (LA0003034) ENTERS HERE																						
126	P1	3	10.20	1.380	30.0	0.0	5.0	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
127	P1	3	10.10	1.380	30.0	0.0	5.0	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
128	P1	3	10.00	1.380	30.0	0.0	5.1	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
129	P1	3	9.90	1.380	30.0	0.0	5.1	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
130	P1	3	9.80	1.380	30.0	0.0	5.1	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
131	P1	3	9.70	1.380	30.0	0.0	5.1	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
132	P1	3	9.60	1.380	30.0	0.0	5.1	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
133	P1	3	9.50	1.380	30.0	0.0	5.2	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
134	P1	3	9.40	1.380	30.0	0.0	5.2	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
135	P1	3	9.30	1.380	30.0	0.0	5.2	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
136	P1	3	9.20	1.380	30.0	0.0	5.2	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
137	P1	3	9.10	1.380	30.0	0.0	5.2	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
138	P1	3	9.00	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
139	P1	3	8.90	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
140	P1	3	8.80	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
141	P1	3	8.70	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
142	P1	3	8.60	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
143	P1	3	8.50	1.380	30.0	0.0	5.3	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
144	P1	3	8.40	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
145	P1	3	8.30	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
146	P1	3	8.20	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
147	P1	3	8.10	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
	WASTELOAD # 148 (LAG540069) ENTERS HERE																						
148	P1	3	8.00	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
149	P1	3	7.90	1.380	30.0	0.0	5.4	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
150	P1	3	7.80	1.380	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
	WASTELOAD # 151 (LAG531697) ENTERS HERE																						
151	P1	3	7.70	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
152	P1	3	7.60	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
153	P1	3	7.50	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
154	P1	3	7.40	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
155	P1	3	7.30	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
156	P1	3	7.20	1.381	30.0	0.0	5.5	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.41	1.88
157	P1	3	7.10	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.150	1.150	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
	WASTELOAD # 158 (LAG540858) ENTERS HERE																						
158	P1	3	7.00	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
	WASTELOAD # 159 (LAG531903) ENTERS HERE WITHOUT ANY FLOW																						
159	P1	3	6.90	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
160	P1	3	6.80	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
161	P1	3	6.70	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
162	P1	3	6.60	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
163	P1	3	6.50	1.381	30.0	0.0	5.6	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
	WASTELOAD # 164 (LAG531990) ENTERS HERE																						

164	P1	3	6.40	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
165	P1	3	6.30	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
166	P1	3	6.20	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
167	P1	3	6.10	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
168	P1	3	6.00	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
169	P1	3	5.90	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
170	P1	3	5.80	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
171	P1	3	5.70	1.381	30.0	0.0	5.7	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
172	P1	3	5.60	1.381	30.0	0.0	5.8	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
173	P1	3	5.50	1.381	30.0	0.0	5.8	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
174	P1	3	5.40	1.381	30.0	0.0	5.8	5.2	0.0	1.5	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
175	P1	3	5.30	1.381	30.0	0.0	5.8	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
176	P1	3	5.20	1.381	30.0	0.0	5.8	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
177	P1	3	5.10	1.381	30.0	0.0	5.8	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
178	P1	3	5.00	1.381	30.0	0.0	5.8	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
179	P1	3	4.90	1.381	30.0	0.0	5.8	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
180	P1	3	4.80	1.381	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
181	P1	3	4.70	1.381	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
182	P1	3	4.60	1.381	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.30	4.0	1.151	1.151	7.6	12.029	0.16	0.00	0.00	0.00	0.42	1.88
183	P2	4	4.50	1.385	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.289	0.289	7.6	5.466	0.16	0.00	0.00	0.00	0.42	1.69
184	P2	4	4.40	1.389	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.289	0.289	7.6	5.475	0.16	0.00	0.00	0.00	0.42	1.69
185	P2	4	4.30	1.393	30.0	0.0	5.9	5.2	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.290	0.290	7.6	5.483	0.16	0.00	0.00	0.00	0.42	1.69
WASTELOAD # 186 (LAG540898) ENTERS HERE																									
186	P2	4	4.20	1.399	30.0	0.0	5.9	5.3	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.291	0.291	7.6	5.494	0.16	0.00	0.00	0.00	0.42	1.69
WASTELOAD # 187 (LAG540785) ENTERS HERE																									
187	P2	4	4.10	1.404	30.0	0.0	5.9	5.3	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.292	0.292	7.6	5.503	0.16	0.00	0.00	0.00	0.42	1.69
188	P2	4	4.00	1.408	30.0	0.0	5.9	5.3	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.293	0.293	7.6	5.511	0.16	0.00	0.00	0.00	0.42	1.69
189	P2	4	3.90	1.412	30.0	0.0	5.9	5.4	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.294	0.294	7.6	5.519	0.16	0.00	0.00	0.00	0.42	1.69
190	P2	4	3.80	1.416	30.0	0.0	5.9	5.4	0.0	1.4	1.4	0.0	0.0	0.60	8.0	0.295	0.295	7.6	5.527	0.16	0.00	0.00	0.00	0.42	1.69
191	P2	4	3.70	1.420	30.0	0.0	6.0	5.4	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.296	0.296	7.6	5.535	0.16	0.00	0.00	0.00	0.42	1.69

EXPANDED CAPSULE SUMMARY FOR Bayou Poydras #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	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
192	P2	4	3.60	1.424	30.0	0.0	6.0	5.4	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.297	0.297	7.6	5.543	0.16	0.00	0.00	0.00	0.42	1.69
193	P2	4	3.50	1.428	30.0	0.0	6.0	5.4	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.298	0.298	7.6	5.551	0.16	0.00	0.00	0.00	0.42	1.69
194	P2	4	3.40	1.432	30.0	0.0	6.0	5.4	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.298	0.298	7.6	5.559	0.16	0.00	0.00	0.00	0.42	1.69
195	P2	4	3.30	1.436	30.0	0.0	6.0	5.4	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.299	0.299	7.6	5.567	0.16	0.00	0.00	0.00	0.42	1.69
196	P2	4	3.20	1.441	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.300	0.300	7.6	5.575	0.16	0.00	0.00	0.00	0.42	1.69
197	P2	4	3.10	1.445	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.301	0.301	7.6	5.583	0.16	0.00	0.00	0.00	0.42	1.69
198	P2	4	3.00	1.449	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.302	0.302	7.6	5.591	0.16	0.00	0.00	0.00	0.42	1.69
199	P2	4	2.90	1.453	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.303	0.303	7.6	5.599	0.16	0.00	0.00	0.00	0.42	1.69
200	P2	4	2.80	1.457	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.304	0.304	7.6	5.607	0.16	0.00	0.00	0.00	0.42	1.69
201	P2	4	2.70	1.461	30.0	0.0	6.0	5.5	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.304	0.304	7.6	5.615	0.16	0.00	0.00	0.00	0.42	1.69
202	P2	4	2.60	1.465	30.0	0.0	6.0	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.305	0.305	7.6	5.623	0.16	0.00	0.00	0.00	0.42	1.69
203	P2	4	2.50	1.469	30.0	0.0	6.0	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.306	0.306	7.6	5.631	0.16	0.00	0.00	0.00	0.42	1.69
204	P2	4	2.40	1.473	30.0	0.0	6.0	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.307	0.307	7.6	5.638	0.16	0.00	0.00	0.00	0.42	1.69

205	P2	4	2.30	1.478	30.0	0.0	6.1	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.308	0.308	7.6	5.646	0.16	0.00	0.00	0.00	0.42	1.69
206	P2	4	2.20	1.482	30.0	0.0	6.1	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.309	0.309	7.6	5.654	0.16	0.00	0.00	0.00	0.42	1.69
207	P2	4	2.10	1.486	30.0	0.0	6.1	5.6	0.0	1.4	1.3	0.0	0.0	0.60	8.0	0.310	0.310	7.6	5.662	0.16	0.00	0.00	0.00	0.42	1.69
208	P2	4	2.00	1.490	30.0	0.0	6.1	5.6	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.310	0.310	7.6	5.670	0.16	0.00	0.00	0.00	0.42	1.69
209	P2	4	1.90	1.494	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.311	0.311	7.6	5.678	0.16	0.00	0.00	0.00	0.42	1.69
210	P2	4	1.80	1.498	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.312	0.312	7.6	5.685	0.16	0.00	0.00	0.00	0.42	1.69
211	P2	4	1.70	1.502	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.313	0.313	7.6	5.693	0.16	0.00	0.00	0.00	0.42	1.69
212	P2	4	1.60	1.506	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.314	0.314	7.6	5.701	0.16	0.00	0.00	0.00	0.42	1.69
213	P2	4	1.50	1.510	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.315	0.315	7.6	5.709	0.16	0.00	0.00	0.00	0.42	1.69
214	P2	4	1.40	1.514	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.316	0.316	7.6	5.716	0.16	0.00	0.00	0.00	0.42	1.69
215	P2	4	1.30	1.519	30.0	0.0	6.1	5.7	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.316	0.316	7.6	5.724	0.16	0.00	0.00	0.00	0.42	1.69
216	P2	4	1.20	1.523	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.317	0.317	7.6	5.732	0.16	0.00	0.00	0.00	0.42	1.69
217	P2	4	1.10	1.527	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.318	0.318	7.6	5.740	0.16	0.00	0.00	0.00	0.42	1.69
218	P2	4	1.00	1.531	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.319	0.319	7.6	5.747	0.16	0.00	0.00	0.00	0.42	1.69
219	P2	4	0.90	1.535	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.320	0.320	7.6	5.755	0.16	0.00	0.00	0.00	0.42	1.69
220	P2	4	0.80	1.539	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.321	0.321	7.6	5.763	0.16	0.00	0.00	0.00	0.42	1.69
221	P2	4	0.70	1.543	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.322	0.322	7.6	5.770	0.16	0.00	0.00	0.00	0.42	1.69
222	P2	4	0.60	1.547	30.0	0.0	6.1	5.8	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.322	0.322	7.6	5.778	0.16	0.00	0.00	0.00	0.42	1.69
223	P2	4	0.50	1.551	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.323	0.323	7.6	5.786	0.16	0.00	0.00	0.00	0.42	1.69
224	P2	4	0.40	1.556	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.324	0.324	7.6	5.793	0.16	0.00	0.00	0.00	0.42	1.69
225	P2	4	0.30	1.560	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.325	0.325	7.6	5.801	0.16	0.00	0.00	0.00	0.42	1.69
226	P2	4	0.20	1.564	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.326	0.326	7.6	5.809	0.16	0.00	0.00	0.00	0.42	1.69
227	P2	4	0.10	1.568	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.327	0.327	7.6	5.816	0.16	0.00	0.00	0.00	0.42	1.69
228	P2	4	0.00	1.572	30.0	0.0	6.2	5.9	0.0	1.4	1.2	0.0	0.0	0.60	8.0	0.327	0.327	7.6	5.824	0.16	0.00	0.00	0.00	0.42	1.69

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	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
272	C1	6	7.40	0.001	30.0	0.0	5.4	2.7	0.0	0.4	0.1	0.0	0.0	0.10	2.0	0.003	0.003	7.6	8.420	0.21	0.00	0.00	0.00	0.41	1.88
273	C1	6	7.30	0.001	30.0	0.0	5.3	2.8	0.0	0.4	0.1	0.0	0.0	0.10	2.0	0.003	0.003	7.6	8.420	0.21	0.00	0.00	0.00	0.41	1.88
274	C1	6	7.20	0.001	30.0	0.0	5.3	2.9	0.0	0.4	0.1	0.0	0.0	0.10	2.0	0.003	0.003	7.6	8.437	0.21	0.00	0.00	0.00	0.41	1.88
275	C1	6	7.10	0.001	30.0	0.0	5.3	3.0	0.0	0.4	0.0	0.0	0.0	0.10	2.0	0.003	0.003	7.6	8.733	0.21	0.00	0.00	0.00	0.41	1.88
276	C1	6	7.00	0.001	30.0	0.0	5.4	3.0	0.0	0.4	0.0	0.0	0.0	0.10	2.0	0.004	0.004	7.6	9.019	0.21	0.00	0.00	0.00	0.41	1.88
277	C1	6	6.90	0.001	30.0	0.0	5.4	3.1	0.0	0.4	0.0	0.0	0.0	0.10	2.0	0.004	0.004	7.6	9.297	0.21	0.00	0.00	0.00	0.41	1.88
278	C1	6	6.80	0.001	30.0	0.0	5.5	3.1	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.004	0.004	7.6	9.566	0.21	0.00	0.00	0.00	0.41	1.88
279	C1	6	6.70	0.001	30.0	0.0	5.5	3.1	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.004	0.004	7.6	9.828	0.21	0.00	0.00	0.00	0.41	1.88
280	C1	6	6.60	0.001	30.0	0.0	5.6	3.2	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.005	0.005	7.6	10.084	0.21	0.00	0.00	0.00	0.42	1.88
281	C1	6	6.50	0.001	30.0	0.0	5.6	3.2	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.005	0.005	7.6	10.333	0.21	0.00	0.00	0.00	0.42	1.88
282	C1	6	6.40	0.001	30.0	0.0	5.7	3.2	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.005	0.005	7.6	10.576	0.21	0.00	0.00	0.00	0.42	1.88
283	C1	6	6.30	0.001	30.0	0.0	5.7	3.2	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.005	0.005	7.6	10.814	0.21	0.00	0.00	0.00	0.42	1.88
284	C1	6	6.20	0.001	30.0	0.0	5.8	3.2	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.005	0.005	7.6	11.046	0.21	0.00	0.00	0.00	0.42	1.88
285	C1	6	6.10	0.001	30.0	0.0	5.8	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.006	0.006	7.6	11.274	0.21	0.00	0.00	0.00	0.42	1.88
286	C1	6	6.00	0.001	30.0	0.0	5.8	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.006	0.006	7.6	11.497	0.21	0.00	0.00	0.00	0.42	1.88
287	C1	6	5.90	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.006	0.006	7.6	11.716	0.21	0.00	0.00	0.00	0.42	1.88
288	C1	6	5.80	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.006	0.006	7.6	11.931	0.21	0.00	0.00	0.00	0.42	1.88
289	C1	6	5.70	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.007	0.007	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
290	C1	6	5.60	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.007	0.007	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88

291	C1	6	5.50	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.007	0.007	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
292	C1	6	5.40	0.001	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.007	0.007	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
293	C1	6	5.30	0.002	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.008	0.008	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
294	C1	6	5.20	0.002	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.008	0.008	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
295	C1	6	5.10	0.002	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.008	0.008	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 296 (LA0121185) ENTERS HERE WITHOUT ANY FLOW																									
296	C1	6	5.00	0.002	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.008	0.008	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
297	C1	6	4.90	0.002	30.0	0.0	5.9	3.3	0.0	0.5	0.0	0.0	0.0	0.10	2.0	0.008	0.008	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
298	C1	6	4.80	0.002	30.0	0.0	5.9	3.3	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.009	0.009	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
299	C1	6	4.70	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.009	0.009	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
300	C1	6	4.60	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.009	0.009	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
301	C1	6	4.50	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.009	0.009	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
302	C1	6	4.40	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.010	0.010	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
303	C1	6	4.30	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.010	0.010	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
304	C1	6	4.20	0.002	30.0	0.0	5.9	3.4	0.0	0.6	0.0	0.0	0.0	0.10	2.0	0.010	0.010	7.6	12.029	0.21	0.00	0.00	0.00	0.42	1.88
WASTELOAD # 305 (LAG540783) ENTERS HERE																									
305	C2	7	4.10	0.004	30.0	0.0	5.3	6.3	0.0	1.3	0.7	1.6	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
306	C2	7	4.00	0.004	30.0	0.0	5.1	5.8	0.0	1.3	0.6	3.1	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
307	C2	7	3.90	0.005	30.0	0.0	5.0	5.4	0.0	1.2	0.5	4.7	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
308	C2	7	3.80	0.005	30.0	0.0	5.1	5.1	0.0	1.2	0.4	6.3	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
309	C2	7	3.70	0.005	30.0	0.0	5.1	4.8	0.0	1.2	0.3	7.9	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
310	C2	7	3.60	0.005	30.0	0.0	5.2	4.5	0.0	1.2	0.3	9.4	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
311	C2	7	3.50	0.005	30.0	0.0	5.3	4.2	0.0	1.2	0.3	11.0	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
312	C2	7	3.40	0.005	30.0	0.0	5.4	4.0	0.0	1.1	0.2	12.6	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
313	C2	7	3.30	0.005	30.0	0.0	5.5	3.8	0.0	1.1	0.2	14.1	0.0	0.30	5.0	0.003	0.003	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
314	C2	7	3.20	0.005	30.0	0.0	5.5	3.7	0.0	1.1	0.2	15.7	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.41	1.69
315	C2	7	3.10	0.005	30.0	0.0	5.6	3.5	0.0	1.1	0.2	17.3	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
316	C2	7	3.00	0.006	30.0	0.0	5.7	3.4	0.0	1.1	0.1	18.9	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
317	C2	7	2.90	0.006	30.0	0.0	5.7	3.2	0.0	1.1	0.1	20.4	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
318	C2	7	2.80	0.006	30.0	0.0	5.8	3.1	0.0	1.1	0.1	22.0	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
319	C2	7	2.70	0.006	30.0	0.0	5.8	3.0	0.0	1.1	0.1	23.6	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
320	C2	7	2.60	0.006	30.0	0.0	5.9	2.9	0.0	1.0	0.1	25.1	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
321	C2	7	2.50	0.006	30.0	0.0	6.0	2.8	0.0	1.0	0.1	26.7	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
322	C2	7	2.40	0.006	30.0	0.0	6.0	2.8	0.0	1.0	0.1	28.3	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
323	C2	7	2.30	0.006	30.0	0.0	6.1	2.7	0.0	1.0	0.1	29.9	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
324	C2	7	2.20	0.007	30.0	0.0	6.1	2.6	0.0	1.0	0.1	31.4	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
325	C2	7	2.10	0.007	30.0	0.0	6.2	2.6	0.0	1.0	0.1	33.0	0.0	0.30	5.0	0.004	0.004	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
326	C2	7	2.00	0.007	30.0	0.0	6.2	2.5	0.0	1.0	0.1	34.6	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
327	C2	7	1.90	0.007	30.0	0.0	6.3	2.5	0.0	1.0	0.1	36.1	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.42	1.69
328	C2	7	1.80	0.007	30.0	0.0	6.3	2.4	0.0	1.0	0.0	37.7	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
329	C2	7	1.70	0.007	30.0	0.0	6.4	2.4	0.0	1.0	0.0	39.3	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
330	C2	7	1.60	0.007	30.0	0.0	6.4	2.3	0.0	1.0	0.0	40.9	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
331	C2	7	1.50	0.007	30.0	0.0	6.4	2.3	0.0	0.9	0.0	42.4	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
332	C2	7	1.40	0.007	30.0	0.0	6.5	2.3	0.0	0.9	0.0	44.0	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
333	C2	7	1.30	0.008	30.0	0.0	6.5	2.2	0.0	0.9	0.0	45.6	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
334	C2	7	1.20	0.008	30.0	0.0	6.6	2.2	0.0	0.9	0.0	47.1	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
335	C2	7	1.10	0.008	30.0	0.0	6.6	2.2	0.0	0.9	0.0	48.7	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
336	C2	7	1.00	0.008	30.0	0.0	6.7	2.2	0.0	0.9	0.0	50.3	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
337	C2	7	0.90	0.008	30.0	0.0	6.7	2.1	0.0	0.9	0.0	51.9	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
338	C2	7	0.80	0.008	30.0	0.0	6.8	2.1	0.0	0.9	0.0	53.4	0.0	0.30	5.0	0.005	0.005	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69

339	C2	7	0.70	0.008	30.0	0.0	6.8	2.1	0.0	0.9	0.0	55.0	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
340	C2	7	0.60	0.008	30.0	0.0	6.9	2.1	0.0	0.9	0.0	56.6	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
341	C2	7	0.50	0.009	30.0	0.0	6.9	2.1	0.0	0.9	0.0	58.1	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
342	C2	7	0.40	0.009	30.0	0.0	6.9	2.0	0.0	0.9	0.0	59.7	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
343	C2	7	0.30	0.009	30.0	0.0	7.0	2.0	0.0	0.9	0.0	61.3	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69

EXPANDED CAPSULE SUMMARY FOR Chamberlin Canal #1

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	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
344	C2	7	0.20	0.009	30.0	0.0	7.0	2.0	0.0	0.9	0.0	62.9	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
345	C2	7	0.10	0.009	30.0	0.0	7.1	2.0	0.0	0.9	0.0	64.4	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69
346	C2	7	0.00	0.009	30.0	0.0	7.1	2.0	0.0	0.9	0.0	66.0	0.0	0.30	5.0	0.006	0.006	7.6	2.807	0.21	0.00	0.00	0.00	0.43	1.69

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa

IOR	REACH		DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	DEPTH	WIDTH	ADVEC VELO	MEAN VELO	DO SAT	REAER RATE	BOD1 DECA	BOD1 SETT	BOD2 DECA	BOD2 SETT	NH3 DECA	SOD
			km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L		1/da	1/da	1/da	1/da	1/da	g/m²/d
420	I1	9	13.30	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
421	I1	9	13.20	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
422	I1	9	13.10	7.530	30.0	0.0	7.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
423	I1	9	13.00	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
424	I1	9	12.90	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
425	I1	9	12.80	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
426	I1	9	12.70	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
427	I1	9	12.60	7.530	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 428 (PS 120109#2) ENTERS HERE																									
428	I1	9	12.50	7.531	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
429	I1	9	12.40	7.531	30.0	0.0	7.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
430	I1	9	12.30	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
431	I1	9	12.20	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
432	I1	9	12.10	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
433	I1	9	12.00	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.44	0.94
434	I1	9	11.90	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
435	I1	9	11.80	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
436	I1	9	11.70	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
437	I1	9	11.60	7.531	30.0	0.0	7.2	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
438	I1	9	11.50	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
439	I1	9	11.40	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
440	I1	9	11.30	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
441	I1	9	11.20	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
442	I1	9	11.10	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
443	I1	9	11.00	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
444	I1	9	10.90	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
445	I1	9	10.80	7.531	30.0	0.0	7.1	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
446	I1	9	10.70	7.531	30.0	0.0	7.0	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

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447 I1  9   10.60   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
448 I1  9   10.50   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
449 I1  9   10.40   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
450 I1  9   10.30   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
451 I1  9   10.20   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
452 I1  9   10.10   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
453 I1  9   10.00   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
454 I1  9    9.90   7.531 30.0  0.0  7.0   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
455 I1  9    9.80   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
    WASTELOAD # 456 (LAG560237) ENTERS HERE
456 I1  9    9.70   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
457 I1  9    9.60   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
458 I1  9    9.50   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
459 I1  9    9.40   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
460 I1  9    9.30   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
461 I1  9    9.20   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
462 I1  9    9.10   7.531 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
    WASTELOAD # 463 (LA0068501) ENTERS HERE
463 I1  9    9.00   7.545 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
464 I1  9    8.90   7.545 30.0  0.0  6.9   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
465 I1  9    8.80   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
466 I1  9    8.70   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
467 I1  9    8.60   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
468 I1  9    8.50   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
469 I1  9    8.40   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
470 I1  9    8.30   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
471 I1  9    8.20   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
472 I1  9    8.10   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
473 I1  9    8.00   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
474 I1  9    7.90   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
475 I1  9    7.80   7.545 30.0  0.0  6.8   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
476 I1  9    7.70   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
477 I1  9    7.60   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
478 I1  9    7.50   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
479 I1  9    7.40   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
480 I1  9    7.30   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
481 I1  9    7.20   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
482 I1  9    7.10   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
483 I1  9    7.00   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
484 I1  9    6.90   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
485 I1  9    6.80   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
486 I1  9    6.70   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
487 I1  9    6.60   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
488 I1  9    6.50   7.545 30.0  0.0  6.7   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
489 I1  9    6.40   7.545 30.0  0.0  6.6   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94
490 I1  9    6.30   7.545 30.0  0.0  6.6   0.5   0.0  0.3  0.0  0.0    0.0   3.00  76.0  0.033  0.033   7.6  0.281 0.21 0.00 0.00 0.00 0.43  0.94

EXPANDED CAPSULE SUMMARY FOR Intracoastal Waterwa
                                                ADVEC   MEAN   DO   REAER BOD1 BOD1 BOD2 BOD2  NH3
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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
491	I1 9	6.20	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
492	I1 9	6.10	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
493	I1 9	6.00	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
494	I1 9	5.90	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
495	I1 9	5.80	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
496	I1 9	5.70	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
497	I1 9	5.60	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
498	I1 9	5.50	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
499	I1 9	5.40	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
500	I1 9	5.30	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
501	I1 9	5.20	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
502	I1 9	5.10	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
503	I1 9	5.00	7.545	30.0	0.0	6.6	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
504	I1 9	4.90	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
505	I1 9	4.80	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
506	I1 9	4.70	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
507	I1 9	4.60	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
508	I1 9	4.50	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
509	I1 9	4.40	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
510	I1 9	4.30	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
511	I1 9	4.20	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
512	I1 9	4.10	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
513	I1 9	4.00	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
514	I1 9	3.90	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
515	I1 9	3.80	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
516	I1 9	3.70	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
517	I1 9	3.60	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
518	I1 9	3.50	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
519	I1 9	3.40	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
520	I1 9	3.30	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
521	I1 9	3.20	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
522	I1 9	3.10	7.545	30.0	0.0	6.5	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
523	I1 9	3.00	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
524	I1 9	2.90	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
525	I1 9	2.80	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
526	I1 9	2.70	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
527	I1 9	2.60	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
528	I1 9	2.50	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
529	I1 9	2.40	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
530	I1 9	2.30	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
531	I1 9	2.20	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
532	I1 9	2.10	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
533	I1 9	2.00	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
534	I1 9	1.90	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
535	I1 9	1.80	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
536	I1 9	1.70	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
537	I1 9	1.60	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

538	I1	9	1.50	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
539	I1	9	1.40	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
540	I1	9	1.30	7.545	30.0	0.0	6.4	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
541	I1	9	1.20	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
542	I1	9	1.10	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
543	I1	9	1.00	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
544	I1	9	0.90	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
545	I1	9	0.80	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
546	I1	9	0.70	7.545	30.0	0.0	6.4	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
547	I1	9	0.60	7.545	30.0	0.0	6.3	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
548	I1	9	0.50	7.545	30.0	0.0	6.3	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
549	I1	9	0.40	7.545	30.0	0.0	6.3	0.4	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
WASTELOAD # 550 (PS 120109#1) ENTERS HERE																									
550	I1	9	0.30	7.564	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
551	I1	9	0.20	7.564	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
552	I1	9	0.10	7.564	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94
553	I1	9	0.00	7.564	30.0	0.0	6.3	0.5	0.0	0.3	0.0	0.0	0.0	3.00	76.0	0.033	0.033	7.6	0.281	0.21	0.00	0.00	0.00	0.43	0.94

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

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
710	BP 11	11.80	0.770	30.0	0.0	5.3	0.8	0.0	0.2	0.0	57.5	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
711	BP 11	11.70	0.770	30.0	0.0	5.5	0.8	0.0	0.2	0.0	57.0	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.41	0.94
712	BP 11	11.60	0.770	30.0	0.0	5.8	0.9	0.0	0.2	0.0	56.5	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
713	BP 11	11.50	0.770	30.0	0.0	6.0	0.9	0.0	0.2	0.0	56.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
714	BP 11	11.40	0.770	30.0	0.0	6.2	0.9	0.0	0.2	0.0	55.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.42	0.94
715	BP 11	11.30	0.770	30.0	0.0	6.4	1.0	0.0	0.2	0.0	55.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
716	BP 11	11.20	0.770	30.0	0.0	6.6	1.0	0.0	0.2	0.0	54.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
717	BP 11	11.10	0.770	30.0	0.0	6.8	1.1	0.0	0.2	0.0	54.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
718	BP 11	11.00	0.770	30.0	0.0	7.0	1.1	0.0	0.2	0.0	53.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
719	BP 11	10.90	0.770	30.0	0.0	7.2	1.1	0.0	0.2	0.0	53.1	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
720	BP 11	10.80	0.770	30.0	0.0	7.3	1.2	0.0	0.2	0.0	52.6	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
721	BP 11	10.70	0.770	30.0	0.0	7.5	1.2	0.0	0.2	0.0	52.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
722	BP 11	10.60	0.770	30.0	0.0	7.6	1.2	0.0	0.2	0.0	51.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
723	BP 11	10.50	0.770	30.0	0.0	7.8	1.3	0.0	0.2	0.0	51.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
724	BP 11	10.40	0.770	30.0	0.0	7.9	1.3	0.0	0.2	0.0	50.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
725	BP 11	10.30	0.770	30.0	0.0	8.0	1.3	0.0	0.2	0.0	50.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
726	BP 11	10.20	0.770	30.0	0.0	8.1	1.4	0.0	0.2	0.0	49.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
727	BP 11	10.10	0.770	30.0	0.0	8.2	1.4	0.0	0.2	0.0	49.2	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
728	BP 11	10.00	0.770	30.0	0.0	8.4	1.5	0.0	0.2	0.0	48.7	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
729	BP 11	9.90	0.770	30.0	0.0	8.5	1.5	0.0	0.2	0.0	48.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
730	BP 11	9.80	0.770	30.0	0.0	8.5	1.5	0.0	0.2	0.0	47.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
731	BP 11	9.70	0.770	30.0	0.0	8.6	1.6	0.0	0.2	0.0	47.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
732	BP 11	9.60	0.770	30.0	0.0	8.7	1.6	0.0	0.2	0.0	46.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
733	BP 11	9.50	0.770	30.0	0.0	8.8	1.6	0.0	0.2	0.0	46.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
734	BP 11	9.40	0.770	30.0	0.0	8.9	1.7	0.0	0.2	0.0	45.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
735	BP 11	9.30	0.770	30.0	0.0	8.9	1.7	0.0	0.2	0.0	45.3	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94

736 BP 11	9.20	0.770	30.0	0.0	9.0	1.7	0.0	0.2	0.0	44.8	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
737 BP 11	9.10	0.770	30.0	0.0	9.1	1.8	0.0	0.2	0.0	44.4	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
738 BP 11	9.00	0.770	30.0	0.0	9.1	1.8	0.0	0.2	0.0	43.9	0.0	1.10	30.0	0.023	0.023	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 739 (LA0020648) ENTERS HERE																							
739 BP 11	8.90	0.836	30.0	0.0	8.8	2.5	0.0	0.2	0.2	43.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
740 BP 11	8.80	0.836	30.0	0.0	8.9	2.5	0.0	0.2	0.2	42.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
741 BP 11	8.70	0.836	30.0	0.0	8.9	2.5	0.0	0.2	0.2	42.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
742 BP 11	8.60	0.836	30.0	0.0	8.9	2.5	0.0	0.2	0.2	41.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
743 BP 11	8.50	0.836	30.0	0.0	9.0	2.6	0.0	0.2	0.1	41.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
744 BP 11	8.40	0.836	30.0	0.0	9.0	2.6	0.0	0.2	0.1	40.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
745 BP 11	8.30	0.836	30.0	0.0	9.0	2.6	0.0	0.2	0.1	40.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
746 BP 11	8.20	0.836	30.0	0.0	9.0	2.6	0.0	0.2	0.1	40.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
747 BP 11	8.10	0.836	30.0	0.0	9.1	2.6	0.0	0.2	0.1	39.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
748 BP 11	8.00	0.836	30.0	0.0	9.1	2.7	0.0	0.2	0.1	39.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
749 BP 11	7.90	0.836	30.0	0.0	9.1	2.7	0.0	0.2	0.1	38.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
750 BP 11	7.80	0.836	30.0	0.0	9.1	2.7	0.0	0.2	0.1	38.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
751 BP 11	7.70	0.836	30.0	0.0	9.1	2.7	0.0	0.2	0.1	37.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
752 BP 11	7.60	0.836	30.0	0.0	9.1	2.8	0.0	0.2	0.1	37.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
753 BP 11	7.50	0.836	30.0	0.0	9.1	2.8	0.0	0.2	0.1	36.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
754 BP 11	7.40	0.836	30.0	0.0	9.1	2.8	0.0	0.2	0.1	36.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
755 BP 11	7.30	0.836	30.0	0.0	9.1	2.8	0.0	0.2	0.1	35.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
756 BP 11	7.20	0.836	30.0	0.0	9.1	2.8	0.0	0.2	0.1	35.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
757 BP 11	7.10	0.836	30.0	0.0	9.1	2.9	0.0	0.2	0.1	34.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
758 BP 11	7.00	0.836	30.0	0.0	9.1	2.9	0.0	0.2	0.1	34.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
759 BP 11	6.90	0.836	30.0	0.0	9.1	2.9	0.0	0.2	0.1	33.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
760 BP 11	6.80	0.836	30.0	0.0	9.1	2.9	0.0	0.2	0.1	33.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
761 BP 11	6.70	0.836	30.0	0.0	9.1	2.9	0.0	0.2	0.1	32.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
762 BP 11	6.60	0.836	30.0	0.0	9.1	3.0	0.0	0.2	0.1	32.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
763 BP 11	6.50	0.836	30.0	0.0	9.1	3.0	0.0	0.2	0.1	31.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
764 BP 11	6.40	0.836	30.0	0.0	9.1	3.0	0.0	0.2	0.1	31.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
765 BP 11	6.30	0.836	30.0	0.0	9.1	3.0	0.0	0.2	0.1	30.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
766 BP 11	6.20	0.836	30.0	0.0	9.0	3.0	0.0	0.2	0.1	30.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
767 BP 11	6.10	0.836	30.0	0.0	9.0	3.1	0.0	0.2	0.1	29.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
768 BP 11	6.00	0.836	30.0	0.0	9.0	3.1	0.0	0.2	0.1	29.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
769 BP 11	5.90	0.836	30.0	0.0	9.0	3.1	0.0	0.2	0.1	28.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
770 BP 11	5.80	0.836	30.0	0.0	9.0	3.1	0.0	0.2	0.1	28.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
771 BP 11	5.70	0.836	30.0	0.0	9.0	3.1	0.0	0.2	0.1	27.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
772 BP 11	5.60	0.836	30.0	0.0	8.9	3.2	0.0	0.2	0.1	27.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
773 BP 11	5.50	0.836	30.0	0.0	8.9	3.2	0.0	0.2	0.1	26.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
774 BP 11	5.40	0.836	30.0	0.0	8.9	3.2	0.0	0.2	0.1	26.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
775 BP 11	5.30	0.836	30.0	0.0	8.9	3.2	0.0	0.2	0.1	25.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
776 BP 11	5.20	0.836	30.0	0.0	8.8	3.2	0.0	0.2	0.1	25.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
777 BP 11	5.10	0.836	30.0	0.0	8.8	3.2	0.0	0.2	0.1	24.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
778 BP 11	5.00	0.836	30.0	0.0	8.8	3.3	0.0	0.2	0.1	24.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 779 (LAG570359) ENTERS HERE																							
779 BP 11	4.90	0.839	30.0	0.0	8.7	3.3	0.0	0.2	0.1	23.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
780 BP 11	4.80	0.839	30.0	0.0	8.7	3.3	0.0	0.2	0.1	23.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
781 BP 11	4.70	0.839	30.0	0.0	8.7	3.3	0.0	0.2	0.1	22.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94

EXPANDED CAPSULE SUMMARY FOR Bayou Plaquemine

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	ADVEC CHLA	MEAN DISP	DO DEPTH	REAER WIDTH	BOD1 VELO	BOD1 VELO	BOD2 SAT	BOD2 RATE	NH3 DECA	SETT DECA	SETT DECA	SOD
		km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	g/m²/d
WASTELOAD # 782 (LAG540102) ENTERS HERE																						
782	BP 11	4.60	0.840	30.0	0.0	8.7	3.4	0.0	0.2	0.1	22.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
783	BP 11	4.50	0.840	30.0	0.0	8.6	3.4	0.0	0.2	0.1	21.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
784	BP 11	4.40	0.840	30.0	0.0	8.6	3.4	0.0	0.2	0.1	21.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 785 (LAG531065) ENTERS HERE																						
785	BP 11	4.30	0.840	30.0	0.0	8.6	3.4	0.0	0.2	0.1	21.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
786	BP 11	4.20	0.840	30.0	0.0	8.5	3.5	0.0	0.2	0.1	20.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
787	BP 11	4.10	0.840	30.0	0.0	8.5	3.5	0.0	0.2	0.1	20.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
788	BP 11	4.00	0.840	30.0	0.0	8.5	3.5	0.0	0.2	0.1	19.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
789	BP 11	3.90	0.840	30.0	0.0	8.4	3.5	0.0	0.2	0.1	19.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
790	BP 11	3.80	0.840	30.0	0.0	8.4	3.5	0.0	0.2	0.1	18.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
791	BP 11	3.70	0.840	30.0	0.0	8.4	3.5	0.0	0.2	0.1	18.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
792	BP 11	3.60	0.840	30.0	0.0	8.3	3.6	0.0	0.2	0.1	17.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
793	BP 11	3.50	0.840	30.0	0.0	8.3	3.6	0.0	0.2	0.1	17.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
794	BP 11	3.40	0.840	30.0	0.0	8.2	3.6	0.0	0.2	0.1	16.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
795	BP 11	3.30	0.840	30.0	0.0	8.2	3.6	0.0	0.2	0.1	16.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
WASTELOAD # 796 (LAG540784) ENTERS HERE																						
796	BP 11	3.20	0.840	30.0	0.0	8.2	3.6	0.0	0.2	0.1	15.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
797	BP 11	3.10	0.840	30.0	0.0	8.1	3.6	0.0	0.2	0.1	15.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
798	BP 11	3.00	0.840	30.0	0.0	8.1	3.6	0.0	0.2	0.1	14.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
799	BP 11	2.90	0.840	30.0	0.0	8.0	3.7	0.0	0.2	0.1	14.1	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
800	BP 11	2.80	0.840	30.0	0.0	8.0	3.7	0.0	0.2	0.1	13.6	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
801	BP 11	2.70	0.840	30.0	0.0	8.0	3.7	0.0	0.2	0.1	13.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
802	BP 11	2.60	0.840	30.0	0.0	7.9	3.7	0.0	0.2	0.1	12.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
803	BP 11	2.50	0.840	30.0	0.0	7.9	3.7	0.0	0.2	0.1	12.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
804	BP 11	2.40	0.840	30.0	0.0	7.8	3.7	0.0	0.2	0.1	11.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
805	BP 11	2.30	0.840	30.0	0.0	7.8	3.7	0.0	0.2	0.1	11.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
806	BP 11	2.20	0.840	30.0	0.0	7.8	3.8	0.0	0.2	0.1	10.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
807	BP 11	2.10	0.840	30.0	0.0	7.7	3.8	0.0	0.2	0.1	10.2	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
808	BP 11	2.00	0.840	30.0	0.0	7.7	3.8	0.0	0.2	0.1	9.7	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
809	BP 11	1.90	0.840	30.0	0.0	7.6	3.8	0.0	0.2	0.1	9.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
810	BP 11	1.80	0.840	30.0	0.0	7.6	3.8	0.0	0.2	0.1	8.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
811	BP 11	1.70	0.840	30.0	0.0	7.5	3.8	0.0	0.2	0.1	8.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
812	BP 11	1.60	0.840	30.0	0.0	7.5	3.8	0.0	0.2	0.1	7.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
813	BP 11	1.50	0.840	30.0	0.0	7.5	3.9	0.0	0.2	0.0	7.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
814	BP 11	1.40	0.840	30.0	0.0	7.4	3.9	0.0	0.2	0.0	6.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
815	BP 11	1.30	0.840	30.0	0.0	7.4	3.9	0.0	0.2	0.0	6.3	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
816	BP 11	1.20	0.840	30.0	0.0	7.3	3.9	0.0	0.2	0.0	5.8	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
817	BP 11	1.10	0.840	30.0	0.0	7.3	3.9	0.0	0.2	0.0	5.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
818	BP 11	1.00	0.840	30.0	0.0	7.2	3.9	0.0	0.2	0.0	4.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.44	0.94
819	BP 11	0.90	0.840	30.0	0.0	7.2	3.9	0.0	0.2	0.0	4.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
820	BP 11	0.80	0.840	30.0	0.0	7.1	3.9	0.0	0.2	0.0	3.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
821	BP 11	0.70	0.840	30.0	0.0	7.1	4.0	0.0	0.2	0.0	3.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
822	BP 11	0.60	0.840	30.0	0.0	7.1	4.0	0.0	0.2	0.0	2.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
823	BP 11	0.50	0.840	30.0	0.0	7.0	4.0	0.0	0.2	0.0	2.4	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94

824	BP 11	0.40	0.840	30.0	0.0	7.0	4.0	0.0	0.2	0.0	1.9	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
825	BP 11	0.30	0.840	30.0	0.0	6.9	4.0	0.0	0.2	0.0	1.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
826	BP 11	0.20	0.840	30.0	0.0	6.9	4.0	0.0	0.2	0.0	1.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
827	BP 11	0.10	0.840	30.0	0.0	6.8	4.0	0.0	0.2	0.0	0.5	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94
828	BP 11	0.00	0.840	30.0	0.0	6.8	4.0	0.0	0.2	0.0	0.0	0.0	1.10	30.0	0.025	0.025	7.6	0.765	0.17	0.00	0.00	0.00	0.43	0.94

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	ADVEC DISP	MEAN DEPTH	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	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
879	U1 13	12.30	3.940	30.0	0.0	5.0	6.3	0.0	0.6	0.0	32.1	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
880	U1 13	12.20	3.940	30.0	0.0	5.0	6.2	0.0	0.6	0.0	32.1	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
881	U1 13	12.10	3.940	30.0	0.0	5.0	6.1	0.0	0.6	0.0	32.2	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
882	U1 13	12.00	3.940	30.0	0.0	5.0	6.1	0.0	0.6	0.0	32.3	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
883	U1 13	11.90	3.940	30.0	0.0	5.0	6.0	0.0	0.6	0.0	32.4	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
884	U1 13	11.80	3.940	30.0	0.0	5.0	5.9	0.0	0.6	0.0	32.4	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
885	U1 13	11.70	3.940	30.0	0.0	5.0	5.8	0.0	0.6	0.0	32.5	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
886	U1 13	11.60	3.940	30.0	0.0	5.0	5.7	0.0	0.6	0.0	32.6	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
887	U1 13	11.50	3.940	30.0	0.0	5.0	5.7	0.0	0.6	0.0	32.6	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
888	U1 13	11.40	3.940	30.0	0.0	5.0	5.6	0.0	0.6	0.0	32.7	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
889	U1 13	11.30	3.940	30.0	0.0	5.0	5.5	0.0	0.6	0.0	32.8	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
890	U1 13	11.20	3.940	30.0	0.0	5.0	5.4	0.0	0.6	0.0	32.9	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
891	U1 13	11.10	3.940	30.0	0.0	5.1	5.4	0.0	0.6	0.0	32.9	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
892	U1 13	11.00	3.940	30.0	0.0	5.1	5.3	0.0	0.6	0.0	33.0	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
893	U1 13	10.90	3.940	30.0	0.0	5.1	5.2	0.0	0.6	0.0	33.1	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
894	U1 13	10.80	3.940	30.0	0.0	5.1	5.2	0.0	0.6	0.0	33.1	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
895	U1 13	10.70	3.940	30.0	0.0	5.1	5.1	0.0	0.6	0.0	33.2	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
896	U1 13	10.60	3.940	30.0	0.0	5.1	5.0	0.0	0.6	0.0	33.3	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
897	U1 13	10.50	3.940	30.0	0.0	5.1	5.0	0.0	0.6	0.0	33.4	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
898	U1 13	10.40	3.940	30.0	0.0	5.1	4.9	0.0	0.6	0.0	33.4	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
899	U1 13	10.30	3.940	30.0	0.0	5.2	4.8	0.0	0.6	0.0	33.5	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
900	U1 13	10.20	3.940	30.0	0.0	5.2	4.8	0.0	0.6	0.0	33.6	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
901	U1 13	10.10	3.940	30.0	0.0	5.2	4.7	0.0	0.6	0.0	33.6	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
902	U1 13	10.00	3.940	30.0	0.0	5.2	4.6	0.0	0.6	0.0	33.7	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
903	U1 13	9.90	3.940	30.0	0.0	5.2	4.6	0.0	0.6	0.0	33.8	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
904	U1 13	9.80	3.940	30.0	0.0	5.3	4.5	0.0	0.5	0.0	33.9	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
905	U1 13	9.70	3.940	30.0	0.0	5.3	4.5	0.0	0.5	0.0	33.9	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
906	U1 13	9.60	3.940	30.0	0.0	5.3	4.4	0.0	0.5	0.0	34.0	0.0	1.10	88.0	0.041	0.041	7.6	0.827	0.47	0.00	0.00	0.00	0.41	1.88
WASTELOAD # 907 (Superior Canal) ENTERS HERE																								
907	U1 13	9.50	4.908	30.0	0.0	5.4	4.3	0.0	0.6	0.0	34.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
908	U1 13	9.40	4.908	30.0	0.0	5.4	4.2	0.0	0.6	0.0	34.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
909	U1 13	9.30	4.908	30.0	0.0	5.4	4.2	0.0	0.6	0.0	34.2	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
910	U1 13	9.20	4.908	30.0	0.0	5.4	4.1	0.0	0.6	0.0	34.3	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
911	U1 13	9.10	4.908	30.0	0.0	5.4	4.1	0.0	0.6	0.0	34.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
912	U1 13	9.00	4.908	30.0	0.0	5.5	4.0	0.0	0.6	0.0	34.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
913	U1 13	8.90	4.908	30.0	0.0	5.5	4.0	0.0	0.6	0.0	34.5	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
914	U1 13	8.80	4.908	30.0	0.0	5.5	4.0	0.0	0.6	0.0	34.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88
915	U1 13	8.70	4.908	30.0	0.0	5.5	3.9	0.0	0.6	0.0	34.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.41	1.88

916	U1 13	8.60	4.908	30.0	0.0	5.6	3.9	0.0	0.6	0.0	34.7	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
917	U1 13	8.50	4.908	30.0	0.0	5.6	3.8	0.0	0.6	0.0	34.8	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
918	U1 13	8.40	4.908	30.0	0.0	5.6	3.8	0.0	0.6	0.0	34.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
919	U1 13	8.30	4.908	30.0	0.0	5.6	3.8	0.0	0.6	0.0	34.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
920	U1 13	8.20	4.908	30.0	0.0	5.6	3.7	0.0	0.6	0.0	35.0	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
921	U1 13	8.10	4.908	30.0	0.0	5.7	3.7	0.0	0.6	0.0	35.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
922	U1 13	8.00	4.908	30.0	0.0	5.7	3.6	0.0	0.6	0.0	35.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
923	U1 13	7.90	4.908	30.0	0.0	5.7	3.6	0.0	0.6	0.0	35.2	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
924	U1 13	7.80	4.908	30.0	0.0	5.7	3.6	0.0	0.6	0.0	35.3	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
925	U1 13	7.70	4.908	30.0	0.0	5.8	3.5	0.0	0.6	0.0	35.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
926	U1 13	7.60	4.908	30.0	0.0	5.8	3.5	0.0	0.6	0.0	35.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
927	U1 13	7.50	4.908	30.0	0.0	5.8	3.4	0.0	0.6	0.0	35.5	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
928	U1 13	7.40	4.908	30.0	0.0	5.8	3.4	0.0	0.6	0.0	35.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
929	U1 13	7.30	4.908	30.0	0.0	5.8	3.4	0.0	0.6	0.0	35.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
930	U1 13	7.20	4.908	30.0	0.0	5.9	3.3	0.0	0.6	0.0	35.7	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
931	U1 13	7.10	4.908	30.0	0.0	5.9	3.3	0.0	0.6	0.0	35.8	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
932	U1 13	7.00	4.908	30.0	0.0	5.9	3.3	0.0	0.6	0.0	35.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
933	U1 13	6.90	4.908	30.0	0.0	5.9	3.2	0.0	0.6	0.0	35.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
934	U1 13	6.80	4.908	30.0	0.0	6.0	3.2	0.0	0.6	0.0	36.0	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
935	U1 13	6.70	4.908	30.0	0.0	6.0	3.2	0.0	0.6	0.0	36.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
936	U1 13	6.60	4.908	30.0	0.0	6.0	3.1	0.0	0.5	0.0	36.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
937	U1 13	6.50	4.908	30.0	0.0	6.0	3.1	0.0	0.5	0.0	36.2	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
938	U1 13	6.40	4.908	30.0	0.0	6.1	3.1	0.0	0.5	0.0	36.3	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
939	U1 13	6.30	4.908	30.0	0.0	6.1	3.0	0.0	0.5	0.0	36.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
940	U1 13	6.20	4.908	30.0	0.0	6.1	3.0	0.0	0.5	0.0	36.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
941	U1 13	6.10	4.908	30.0	0.0	6.1	3.0	0.0	0.5	0.0	36.5	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
942	U1 13	6.00	4.908	30.0	0.0	6.2	2.9	0.0	0.5	0.0	36.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
943	U1 13	5.90	4.908	30.0	0.0	6.2	2.9	0.0	0.5	0.0	36.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
944	U1 13	5.80	4.908	30.0	0.0	6.2	2.9	0.0	0.5	0.0	36.7	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
945	U1 13	5.70	4.908	30.0	0.0	6.2	2.8	0.0	0.5	0.0	36.8	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
946	U1 13	5.60	4.908	30.0	0.0	6.2	2.8	0.0	0.5	0.0	36.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
947	U1 13	5.50	4.908	30.0	0.0	6.3	2.8	0.0	0.5	0.0	36.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.42	1.88
948	U1 13	5.40	4.908	30.0	0.0	6.3	2.7	0.0	0.5	0.0	37.0	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
949	U1 13	5.30	4.908	30.0	0.0	6.3	2.7	0.0	0.5	0.0	37.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
950	U1 13	5.20	4.908	30.0	0.0	6.3	2.7	0.0	0.5	0.0	37.1	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
951	U1 13	5.10	4.908	30.0	0.0	6.4	2.7	0.0	0.5	0.0	37.2	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88

EXPANDED CAPSULE SUMMARY FOR Upper Grand River #1

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	ADVEC DISP	MEAN DEPTH	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
952	U1 13	5.00	4.908	30.0	0.0	6.4	2.6	0.0	0.5	0.0	37.3	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
953	U1 13	4.90	4.908	30.0	0.0	6.4	2.6	0.0	0.5	0.0	37.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
954	U1 13	4.80	4.908	30.0	0.0	6.4	2.6	0.0	0.5	0.0	37.4	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
955	U1 13	4.70	4.908	30.0	0.0	6.5	2.5	0.0	0.5	0.0	37.5	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
956	U1 13	4.60	4.908	30.0	0.0	6.5	2.5	0.0	0.5	0.0	37.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
957	U1 13	4.50	4.908	30.0	0.0	6.5	2.5	0.0	0.5	0.0	37.6	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
958	U1 13	4.40	4.908	30.0	0.0	6.5	2.5	0.0	0.5	0.0	37.7	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88

959	U1 13	4.30	4.908	30.0	0.0	6.5	2.4	0.0	0.5	0.0	37.8	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
960	U1 13	4.20	4.908	30.0	0.0	6.6	2.4	0.0	0.5	0.0	37.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
961	U1 13	4.10	4.908	30.0	0.0	6.6	2.4	0.0	0.5	0.0	37.9	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
962	U1 13	4.00	4.908	30.0	0.0	6.6	2.4	0.0	0.5	0.0	38.0	0.0	1.10	88.0	0.051	0.051	7.6	0.923	0.47	0.00	0.00	0.00	0.43	1.88
TRIBUTARY # 963 (Lower Flat River) ENTERS HERE																								
1007	U2 15	3.90	6.878	30.0	0.0	6.4	2.4	0.0	0.6	0.0	37.0	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1008	U2 15	3.80	6.878	30.0	0.0	6.4	2.4	0.0	0.6	0.0	36.1	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1009	U2 15	3.70	6.878	30.0	0.0	6.5	2.4	0.0	0.6	0.0	35.2	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1010	U2 15	3.60	6.878	30.0	0.0	6.5	2.4	0.0	0.6	0.0	34.2	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1011	U2 15	3.50	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	33.2	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1012	U2 15	3.40	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	32.3	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1013	U2 15	3.30	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	31.4	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1014	U2 15	3.20	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	30.4	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1015	U2 15	3.10	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	29.5	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1016	U2 15	3.00	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	28.5	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1017	U2 15	2.90	6.878	30.0	0.0	6.5	2.3	0.0	0.6	0.0	27.5	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1018	U2 15	2.80	6.878	30.0	0.0	6.6	2.2	0.0	0.6	0.0	26.6	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1019	U2 15	2.70	6.878	30.0	0.0	6.6	2.2	0.0	0.6	0.0	25.6	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1020	U2 15	2.60	6.878	30.0	0.0	6.6	2.2	0.0	0.5	0.0	24.7	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1021	U2 15	2.50	6.878	30.0	0.0	6.6	2.2	0.0	0.5	0.0	23.8	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1022	U2 15	2.40	6.878	30.0	0.0	6.6	2.2	0.0	0.5	0.0	22.8	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1023	U2 15	2.30	6.878	30.0	0.0	6.6	2.2	0.0	0.5	0.0	21.9	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1024	U2 15	2.20	6.878	30.0	0.0	6.6	2.2	0.0	0.5	0.0	20.9	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1025	U2 15	2.10	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	20.0	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1026	U2 15	2.00	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	19.0	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1027	U2 15	1.90	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	18.1	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1028	U2 15	1.80	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	17.1	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1029	U2 15	1.70	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	16.1	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1030	U2 15	1.60	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	15.2	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1031	U2 15	1.50	6.878	30.0	0.0	6.6	2.1	0.0	0.5	0.0	14.2	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1032	U2 15	1.40	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	13.3	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1033	U2 15	1.30	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	12.4	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1034	U2 15	1.20	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	11.4	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1035	U2 15	1.10	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	10.5	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1036	U2 15	1.00	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	9.5	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1037	U2 15	0.90	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	8.6	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1038	U2 15	0.80	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	7.6	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1039	U2 15	0.70	6.878	30.0	0.0	6.5	2.0	0.0	0.5	0.0	6.7	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1040	U2 15	0.60	6.878	30.0	0.0	6.5	1.9	0.0	0.5	0.0	5.7	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1041	U2 15	0.50	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	4.8	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1042	U2 15	0.40	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	3.8	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1043	U2 15	0.30	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	2.9	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1044	U2 15	0.20	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	1.9	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1045	U2 15	0.10	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	1.0	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88
1046	U2 15	0.00	6.878	30.0	0.0	6.4	1.9	0.0	0.5	0.0	0.0	0.0	1.30	62.0	0.085	0.085	7.6	0.932	0.47	0.00	0.00	0.00	0.43	1.88

EXPANDED CAPSULE SUMMARY FOR Lower Flat River

IOR	REACH	DIST	FLOW	TEMP	SALN	DO	EBOD1	EBOD2	ORG-N	NH3	CHLA	DISP	ADVEC DEPTH	MEAN WIDTH	DO VELO	REAER VELO	BOD1 SAT	BOD1 RATE	BOD2 DECA	BOD2 SETT	NH3 DECA	NH3 SETT	DECA	SOD

	km	m³/s	deg C	ppt	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	m²/s	m	m	m/s	m/s	mg/L	1/da	1/da	1/da	1/da	1/da	1/da	g/m²/d
963 LF 14	4.30	1.970	30.0	0.0	5.4	4.7	0.0	0.6	0.0	0.9	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
964 LF 14	4.20	1.970	30.0	0.0	5.4	4.7	0.0	0.6	0.0	1.7	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
965 LF 14	4.10	1.970	30.0	0.0	5.3	4.6	0.0	0.6	0.0	2.6	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
966 LF 14	4.00	1.970	30.0	0.0	5.3	4.5	0.0	0.6	0.0	3.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
967 LF 14	3.90	1.970	30.0	0.0	5.3	4.5	0.0	0.6	0.0	4.3	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
968 LF 14	3.80	1.970	30.0	0.0	5.2	4.4	0.0	0.6	0.0	5.2	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
969 LF 14	3.70	1.970	30.0	0.0	5.2	4.3	0.0	0.6	0.0	6.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
970 LF 14	3.60	1.970	30.0	0.0	5.2	4.3	0.0	0.6	0.0	6.9	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
971 LF 14	3.50	1.970	30.0	0.0	5.2	4.2	0.0	0.6	0.0	7.8	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
972 LF 14	3.40	1.970	30.0	0.0	5.1	4.2	0.0	0.6	0.0	8.6	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
973 LF 14	3.30	1.970	30.0	0.0	5.1	4.1	0.0	0.6	0.0	9.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
974 LF 14	3.20	1.970	30.0	0.0	5.1	4.0	0.0	0.6	0.0	10.4	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
975 LF 14	3.10	1.970	30.0	0.0	5.1	4.0	0.0	0.6	0.0	11.2	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
976 LF 14	3.00	1.970	30.0	0.0	5.1	3.9	0.0	0.6	0.0	12.1	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
977 LF 14	2.90	1.970	30.0	0.0	5.1	3.9	0.0	0.6	0.0	13.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
978 LF 14	2.80	1.970	30.0	0.0	5.1	3.8	0.0	0.6	0.0	13.8	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
979 LF 14	2.70	1.970	30.0	0.0	5.1	3.8	0.0	0.6	0.0	14.7	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
980 LF 14	2.60	1.970	30.0	0.0	5.1	3.7	0.0	0.6	0.0	15.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
981 LF 14	2.50	1.970	30.0	0.0	5.1	3.7	0.0	0.6	0.0	16.4	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
982 LF 14	2.40	1.970	30.0	0.0	5.1	3.6	0.0	0.6	0.0	17.3	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
983 LF 14	2.30	1.970	30.0	0.0	5.2	3.6	0.0	0.6	0.0	18.1	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
984 LF 14	2.20	1.970	30.0	0.0	5.2	3.5	0.0	0.6	0.0	19.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
985 LF 14	2.10	1.970	30.0	0.0	5.2	3.5	0.0	0.6	0.0	19.9	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
986 LF 14	2.00	1.970	30.0	0.0	5.2	3.4	0.0	0.6	0.0	20.7	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
987 LF 14	1.90	1.970	30.0	0.0	5.2	3.4	0.0	0.6	0.0	21.6	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
988 LF 14	1.80	1.970	30.0	0.0	5.3	3.3	0.0	0.6	0.0	22.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
989 LF 14	1.70	1.970	30.0	0.0	5.3	3.3	0.0	0.6	0.0	23.3	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
990 LF 14	1.60	1.970	30.0	0.0	5.3	3.2	0.0	0.6	0.0	24.2	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
991 LF 14	1.50	1.970	30.0	0.0	5.3	3.2	0.0	0.6	0.0	25.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
992 LF 14	1.40	1.970	30.0	0.0	5.4	3.1	0.0	0.6	0.0	25.9	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
993 LF 14	1.30	1.970	30.0	0.0	5.4	3.1	0.0	0.6	0.0	26.8	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
994 LF 14	1.20	1.970	30.0	0.0	5.4	3.0	0.0	0.6	0.0	27.6	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
995 LF 14	1.10	1.970	30.0	0.0	5.5	3.0	0.0	0.6	0.0	28.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
996 LF 14	1.00	1.970	30.0	0.0	5.5	3.0	0.0	0.6	0.0	29.4	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
997 LF 14	0.90	1.970	30.0	0.0	5.5	2.9	0.0	0.6	0.0	30.2	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.41	1.88
998 LF 14	0.80	1.970	30.0	0.0	5.6	2.9	0.0	0.6	0.0	31.1	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
999 LF 14	0.70	1.970	30.0	0.0	5.6	2.8	0.0	0.6	0.0	32.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1000 LF 14	0.60	1.970	30.0	0.0	5.7	2.8	0.0	0.6	0.0	32.8	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1001 LF 14	0.50	1.970	30.0	0.0	5.7	2.8	0.0	0.6	0.0	33.7	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1002 LF 14	0.40	1.970	30.0	0.0	5.7	2.7	0.0	0.6	0.0	34.5	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1003 LF 14	0.30	1.970	30.0	0.0	5.8	2.7	0.0	0.6	0.0	35.4	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1004 LF 14	0.20	1.970	30.0	0.0	5.8	2.6	0.0	0.6	0.0	36.3	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1005 LF 14	0.10	1.970	30.0	0.0	5.9	2.6	0.0	0.6	0.0	37.1	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88
1006 LF 14	0.00	1.970	30.0	0.0	5.9	2.6	0.0	0.6	0.0	38.0	0.0	0.80	64.0	0.038	0.038	7.6	1.297	0.47	0.00	0.00	0.00	0.42	1.88

SPECIAL REPORT: Bayou Cholpe #1
WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	CM-I *	CM-II *	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N µg/L	TOTN **	PHOS	CHL A *	MACRO	COLI #/100mL	NCM
1	55.500	30.00	0.0	0.0	0.0	5.07	3.11	0.00	3.11	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
2	55.400	30.00	0.0	0.0	0.0	5.14	3.11	0.00	3.11	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
3	55.300	30.00	0.0	0.0	0.0	5.21	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
4	55.200	30.00	0.0	0.0	0.0	5.28	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
5	55.100	30.00	0.0	0.0	0.0	5.34	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
6	55.000	30.00	0.0	0.0	0.0	5.40	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
7	54.900	30.00	0.0	0.0	0.0	5.46	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
8	54.800	30.00	0.0	0.0	0.0	5.52	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
9	54.700	30.00	0.0	0.0	0.0	5.57	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
10	54.600	30.00	0.0	0.0	0.0	5.62	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
11	54.500	30.00	0.0	0.0	0.0	5.68	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
12	54.400	30.00	0.0	0.0	0.0	5.72	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
13	54.300	30.00	0.0	0.0	0.0	5.77	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
14	54.200	30.00	0.0	0.0	0.0	5.82	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
15	54.100	30.00	0.0	0.0	0.0	5.86	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
16	54.000	30.00	0.0	0.0	0.0	5.90	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
17	53.900	30.00	0.0	0.0	0.0	5.95	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
18	53.800	30.00	0.0	0.0	0.0	5.99	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
19	53.700	30.00	0.0	0.0	0.0	6.02	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
20	53.600	30.00	0.0	0.0	0.0	6.06	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
21	53.500	30.00	0.0	0.0	0.0	6.10	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
22	53.400	30.00	0.0	0.0	0.0	6.13	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
23	53.300	30.00	0.0	0.0	0.0	6.16	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
24	53.200	30.00	0.0	0.0	0.0	6.19	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
25	53.100	30.00	0.0	0.0	0.0	6.23	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
26	53.000	30.00	0.0	0.0	0.0	6.26	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
27	52.900	30.00	0.0	0.0	0.0	6.28	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
28	52.800	30.00	0.0	0.0	0.0	6.31	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
29	52.700	30.00	0.0	0.0	0.0	6.34	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
30	52.600	30.00	0.0	0.0	0.0	6.36	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.0	0.0	0.	0.00
31	52.500	30.00	0.0	0.0	0.0	6.18	3.17	0.00	3.17	0.00	1.55	0.03	1.41	2.99	0.00	0.0	0.0	0.	0.00
32	52.400	30.00	0.0	0.0	0.0	6.03	3.27	0.00	3.27	0.00	1.51	0.03	1.33	2.88	0.00	0.0	0.0	0.	0.00
33	52.300	30.00	0.0	0.0	0.0	5.91	3.35	0.00	3.35	0.00	1.48	0.03	1.26	2.77	0.00	0.0	0.0	0.	0.00
34	52.200	30.00	0.0	0.0	0.0	5.80	3.43	0.00	3.43	0.00	1.45	0.03	1.20	2.68	0.00	0.0	0.0	0.	0.00
35	52.100	30.00	0.0	0.0	0.0	5.71	3.50	0.00	3.50	0.00	1.42	0.03	1.14	2.60	0.00	0.0	0.0	0.	0.00
36	52.000	30.00	0.0	0.0	0.0	5.64	3.56	0.00	3.56	0.00	1.40	0.03	1.09	2.52	0.00	0.0	0.0	0.	0.00
37	51.900	30.00	0.0	0.0	0.0	5.57	3.61	0.00	3.61	0.00	1.38	0.03	1.04	2.45	0.00	0.0	0.0	0.	0.00
38	51.800	30.00	0.0	0.0	0.0	5.51	3.66	0.00	3.66	0.00	1.36	0.03	1.00	2.39	0.00	0.0	0.0	0.	0.00
39	51.700	30.00	0.0	0.0	0.0	5.46	3.70	0.00	3.70	0.00	1.34	0.03	0.96	2.33	0.00	0.0	0.0	0.	0.00
40	51.600	30.00	0.0	0.0	0.0	5.42	3.74	0.00	3.74	0.00	1.33	0.03	0.92	2.28	0.00	0.0	0.0	0.	0.00
41	51.500	30.00	0.0	0.0	0.0	5.38	3.78	0.00	3.78	0.00	1.31	0.03	0.89	2.23	0.00	0.0	0.0	0.	0.00
42	51.400	30.00	0.0	0.0	0.0	5.35	3.81	0.00	3.81	0.00	1.30	0.03	0.86	2.19	0.00	0.0	0.0	0.	0.00
43	51.300	30.00	0.0	0.0	0.0	5.32	3.84	0.00	3.84	0.00	1.28	0.03	0.83	2.15	0.00	0.0	0.0	0.	0.00
44	51.200	30.00	0.0	0.0	0.0	5.29	3.87	0.00	3.87	0.00	1.27	0.03	0.80	2.11	0.00	0.0	0.0	0.	0.00
45	51.100	30.00	0.0	0.0	0.0	5.26	3.90	0.00	3.90	0.00	1.26	0.03	0.77	2.07	0.00	0.0	0.0	0.	0.00
46	51.000	30.00	0.0	0.0	0.0	5.24	3.92	0.00	3.92	0.00	1.25	0.03	0.75	2.04	0.00	0.0	0.0	0.	0.00

47	50.900	30.00	0.0	0.0	0.0	5.22	3.94	0.00	3.94	0.00	1.24	0.03	0.73	2.00	0.00	0.0	0.0	0.	0.00
48	50.800	30.00	0.0	0.0	0.0	5.20	3.96	0.00	3.96	0.00	1.23	0.03	0.71	1.97	0.00	0.0	0.0	0.	0.00
49	50.700	30.00	0.0	0.0	0.0	5.19	3.98	0.00	3.98	0.00	1.22	0.03	0.69	1.94	0.00	0.0	0.0	0.	0.00
50	50.600	30.00	0.0	0.0	0.0	5.17	4.00	0.00	4.00	0.00	1.21	0.03	0.67	1.92	0.00	0.0	0.0	0.	0.00
51	50.500	30.00	0.0	0.0	0.0	5.16	4.02	0.00	4.02	0.00	1.21	0.03	0.65	1.89	0.00	0.0	0.0	0.	0.00
52	50.400	30.00	0.0	0.0	0.0	5.14	4.03	0.00	4.03	0.00	1.20	0.03	0.63	1.87	0.00	0.0	0.0	0.	0.00
53	50.300	30.00	0.0	0.0	0.0	5.13	4.05	0.00	4.05	0.00	1.19	0.03	0.62	1.84	0.00	0.0	0.0	0.	0.00
54	50.200	30.00	0.0	0.0	0.0	5.12	4.06	0.00	4.06	0.00	1.19	0.03	0.60	1.82	0.00	0.0	0.0	0.	0.00
55	50.100	30.00	0.0	0.0	0.0	5.11	4.07	0.00	4.07	0.00	1.18	0.03	0.59	1.80	0.00	0.0	0.0	0.	0.00
56	50.000	30.00	0.0	0.0	0.0	5.10	4.08	0.00	4.08	0.00	1.17	0.03	0.58	1.78	0.00	0.0	0.0	0.	0.00
57	49.900	30.00	0.0	0.0	0.0	5.09	4.10	0.00	4.10	0.00	1.17	0.03	0.56	1.76	0.00	0.0	0.0	0.	0.00
58	49.800	30.00	0.0	0.0	0.0	5.09	4.11	0.00	4.11	0.00	1.16	0.03	0.55	1.75	0.00	0.0	0.0	0.	0.00
59	49.700	30.00	0.0	0.0	0.0	5.08	4.12	0.00	4.12	0.00	1.16	0.03	0.54	1.73	0.00	0.0	0.0	0.	0.00
60	49.600	30.00	0.0	0.0	0.0	5.07	4.13	0.00	4.13	0.00	1.15	0.03	0.53	1.71	0.00	0.0	0.0	0.	0.00
61	49.500	30.00	0.0	0.0	0.0	5.07	4.14	0.00	4.14	0.00	1.15	0.03	0.52	1.70	0.00	0.0	0.0	0.	0.00
62	49.400	30.00	0.0	0.0	0.0	5.06	4.15	0.00	4.15	0.00	1.14	0.03	0.51	1.68	0.00	0.0	0.0	0.	0.00
63	49.300	30.00	0.0	0.0	0.0	5.05	4.15	0.00	4.15	0.00	1.14	0.03	0.50	1.67	0.00	0.0	0.0	0.	0.00
64	49.200	30.00	0.0	0.0	0.0	5.05	4.16	0.00	4.16	0.00	1.14	0.03	0.49	1.65	0.00	0.0	0.0	0.	0.00
65	49.100	30.00	0.0	0.0	0.0	5.04	4.17	0.00	4.17	0.00	1.13	0.03	0.48	1.64	0.00	0.0	0.0	0.	0.00
66	49.000	30.00	0.0	0.0	0.0	5.04	4.18	0.00	4.18	0.00	1.13	0.03	0.47	1.63	0.00	0.0	0.0	0.	0.00
67	48.900	30.00	0.0	0.0	0.0	5.03	4.18	0.00	4.18	0.00	1.12	0.03	0.46	1.62	0.00	0.0	0.0	0.	0.00
68	48.800	30.00	0.0	0.0	0.0	5.03	4.19	0.00	4.19	0.00	1.12	0.03	0.45	1.60	0.00	0.0	0.0	0.	0.00
69	48.700	30.00	0.0	0.0	0.0	5.03	4.20	0.00	4.20	0.00	1.12	0.03	0.44	1.59	0.00	0.0	0.0	0.	0.00
70	48.600	30.00	0.0	0.0	0.0	5.03	4.20	0.00	4.20	0.00	1.11	0.03	0.44	1.58	0.00	0.0	0.0	0.	0.00
71	48.500	30.00	0.0	0.0	0.0	5.03	4.21	0.00	4.21	0.00	1.11	0.03	0.43	1.57	0.00	0.0	0.0	0.	0.00
72	48.400	30.00	0.0	0.0	0.0	5.03	4.21	0.00	4.21	0.00	1.11	0.03	0.42	1.56	0.00	0.0	0.0	0.	0.00
73	48.300	30.00	0.0	0.0	0.0	5.03	4.22	0.00	4.22	0.00	1.11	0.03	0.41	1.55	0.00	0.0	0.0	0.	0.00
74	48.200	30.00	0.0	0.0	0.0	5.03	4.22	0.00	4.22	0.00	1.10	0.03	0.41	1.54	0.00	0.0	0.0	0.	0.00
75	48.100	30.00	0.0	0.0	0.0	5.03	4.23	0.00	4.23	0.00	1.10	0.03	0.40	1.53	0.00	0.0	0.0	0.	0.00
76	48.000	30.00	0.0	0.0	0.0	5.03	4.23	0.00	4.23	0.00	1.10	0.03	0.40	1.52	0.00	0.0	0.0	0.	0.00
77	47.900	30.00	0.0	0.0	0.0	5.03	4.24	0.00	4.24	0.00	1.09	0.03	0.39	1.52	0.00	0.0	0.0	0.	0.00
78	47.800	30.00	0.0	0.0	0.0	5.04	4.24	0.00	4.24	0.00	1.09	0.03	0.38	1.51	0.00	0.0	0.0	0.	0.00
79	47.700	30.00	0.0	0.0	0.0	5.04	4.25	0.00	4.25	0.00	1.09	0.03	0.38	1.50	0.00	0.0	0.0	0.	0.00
80	47.600	30.00	0.0	0.0	0.0	5.04	4.25	0.00	4.25	0.00	1.09	0.03	0.37	1.49	0.00	0.0	0.0	0.	0.00
81	47.500	30.00	0.0	0.0	0.0	5.05	4.26	0.00	4.26	0.00	1.09	0.03	0.37	1.48	0.00	0.0	0.0	0.	0.00
82	47.400	30.00	0.0	0.0	0.0	5.05	4.26	0.00	4.26	0.00	1.08	0.03	0.36	1.48	0.00	0.0	0.0	0.	0.00
83	47.300	30.00	0.0	0.0	0.0	5.06	4.26	0.00	4.26	0.00	1.08	0.03	0.36	1.47	0.00	0.0	0.0	0.	0.00
84	47.200	30.00	0.0	0.0	0.0	5.06	4.27	0.00	4.27	0.00	1.08	0.03	0.35	1.46	0.00	0.0	0.0	0.	0.00
85	47.100	30.00	0.0	0.0	0.0	5.07	4.27	0.00	4.27	0.00	1.08	0.03	0.35	1.46	0.00	0.0	0.0	0.	0.00
86	47.000	30.00	0.0	0.0	0.0	5.07	4.27	0.00	4.27	0.00	1.08	0.03	0.34	1.45	0.00	0.0	0.0	0.	0.00
87	46.900	30.00	0.0	0.0	0.0	5.08	4.28	0.00	4.28	0.00	1.07	0.03	0.34	1.44	0.00	0.0	0.0	0.	0.00
88	46.800	30.00	0.0	0.0	0.0	5.08	4.28	0.00	4.28	0.00	1.07	0.03	0.34	1.44	0.00	0.0	0.0	0.	0.00
89	46.700	30.00	0.0	0.0	0.0	5.09	4.28	0.00	4.28	0.00	1.07	0.03	0.33	1.43	0.00	0.0	0.0	0.	0.00
90	46.600	30.00	0.0	0.0	0.0	5.09	4.29	0.00	4.29	0.00	1.07	0.03	0.33	1.43	0.00	0.0	0.0	0.	0.00
91	46.500	30.00	0.0	0.0	0.0	5.10	4.29	0.00	4.29	0.00	1.07	0.03	0.32	1.42	0.00	0.0	0.0	0.	0.00
92	46.400	30.00	0.0	0.0	0.0	5.10	4.29	0.00	4.29	0.00	1.07	0.03	0.32	1.41	0.00	0.0	0.0	0.	0.00
93	46.300	30.00	0.0	0.0	0.0	5.11	4.29	0.00	4.29	0.00	1.06	0.03	0.32	1.41	0.00	0.0	0.0	0.	0.00
94	46.200	30.00	0.0	0.0	0.0	5.11	4.30	0.00	4.30	0.00	1.06	0.03	0.31	1.40	0.00	0.0	0.0	0.	0.00
95	46.100	30.00	0.0	0.0	0.0	5.12	4.30	0.00	4.30	0.00	1.06	0.03	0.31	1.40	0.00	0.0	0.0	0.	0.00
96	46.000	30.00	0.0	0.0	0.0	5.13	4.30	0.00	4.30	0.00	1.06	0.03	0.30	1.39	0.00	0.0	0.0	0.	0.00

97	45.900	30.00	0.0	0.0	0.0	5.13	4.30	0.00	4.30	0.00	1.06	0.03	0.30	1.39	0.00	0.0	0.0	0.	0.00
98	45.800	30.00	0.0	0.0	0.0	5.14	4.31	0.00	4.31	0.00	1.06	0.03	0.30	1.38	0.00	0.0	0.0	0.	0.00
99	45.700	30.00	0.0	0.0	0.0	5.14	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.38	0.00	0.0	0.0	0.	0.00
100	45.600	30.00	0.0	0.0	0.0	5.15	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.0	0.0	0.	0.00
101	45.500	30.00	0.0	0.0	0.0	5.16	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.0	0.0	0.	0.00
102	45.400	30.00	0.0	0.0	0.0	5.16	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.0	0.0	0.	0.00
103	45.300	30.00	0.0	0.0	0.0	5.17	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.36	0.00	0.0	0.0	0.	0.00
104	45.200	30.00	0.0	0.0	0.0	5.18	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.36	0.00	0.0	0.0	0.	0.00
105	45.100	30.00	0.0	0.0	0.0	5.18	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.35	0.00	0.0	0.0	0.	0.00
106	45.000	30.00	0.0	0.0	0.0	5.19	4.32	0.00	4.32	0.00	1.05	0.03	0.27	1.35	0.00	0.0	0.0	0.	0.00
107	44.900	30.00	0.0	0.0	0.0	5.19	4.32	0.00	4.32	0.00	1.05	0.03	0.27	1.35	0.00	0.0	0.0	0.	0.00
108	44.800	30.00	0.0	0.0	0.0	5.20	4.33	0.00	4.33	0.00	1.04	0.03	0.27	1.34	0.00	0.0	0.0	0.	0.00
109	44.700	30.00	0.0	0.0	0.0	5.21	4.33	0.00	4.33	0.00	1.04	0.03	0.27	1.34	0.00	0.0	0.0	0.	0.00
110	44.600	30.00	0.0	0.0	0.0	5.21	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.0	0.0	0.	0.00
111	44.500	30.00	0.0	0.0	0.0	5.22	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.0	0.0	0.	0.00
112	44.400	30.00	0.0	0.0	0.0	5.23	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.0	0.0	0.	0.00
113	44.300	30.00	0.0	0.0	0.0	5.23	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.32	0.00	0.0	0.0	0.	0.00
114	44.200	30.00	0.0	0.0	0.0	5.24	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.32	0.00	0.0	0.0	0.	0.00
115	44.100	30.00	0.0	0.0	0.0	5.25	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.32	0.00	0.0	0.0	0.	0.00
116	44.000	30.00	0.0	0.0	0.0	5.25	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.31	0.00	0.0	0.0	0.	0.00
117	43.900	30.00	0.0	0.0	0.0	5.26	4.34	0.00	4.34	0.00	1.03	0.03	0.25	1.31	0.00	0.0	0.0	0.	0.00
118	43.800	30.00	0.0	0.0	0.0	5.26	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.31	0.00	0.0	0.0	0.	0.00
119	43.700	30.00	0.0	0.0	0.0	5.27	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.0	0.0	0.	0.00
120	43.600	30.00	0.0	0.0	0.0	5.28	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.0	0.0	0.	0.00
121	43.500	30.00	0.0	0.0	0.0	5.28	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.0	0.0	0.	0.00
122	43.400	30.00	0.0	0.0	0.0	5.29	4.35	0.00	4.35	0.00	1.03	0.03	0.24	1.30	0.00	0.0	0.0	0.	0.00
123	43.300	30.00	0.0	0.0	0.0	5.29	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.0	0.0	0.	0.00
124	43.200	30.00	0.0	0.0	0.0	5.30	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.0	0.0	0.	0.00
125	43.100	30.00	0.0	0.0	0.0	5.31	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.0	0.0	0.	0.00
229	43.000	30.00	0.0	0.0	0.0	5.81	5.44	0.00	5.44	0.00	1.27	0.80	1.36	3.43	0.00	1.5	0.0	0.	0.00
230	42.900	30.00	0.0	0.0	0.0	5.62	5.11	0.00	5.11	0.00	1.13	0.69	1.32	3.14	0.00	3.1	0.0	0.	0.00
231	42.800	30.00	0.0	0.0	0.0	5.56	5.11	0.00	5.11	0.00	1.13	0.68	1.33	3.14	0.00	4.6	0.0	0.	0.00
232	42.700	30.00	0.0	0.0	0.0	5.50	5.10	0.00	5.10	0.00	1.13	0.67	1.34	3.14	0.00	6.1	0.0	0.	0.00
233	42.600	30.00	0.0	0.0	0.0	5.44	5.10	0.00	5.10	0.00	1.13	0.66	1.35	3.14	0.00	7.7	0.0	0.	0.00
234	42.500	30.00	0.0	0.0	0.0	5.40	5.09	0.00	5.09	0.00	1.13	0.65	1.35	3.13	0.00	9.2	0.0	0.	0.00
235	42.400	30.00	0.0	0.0	0.0	5.35	5.09	0.00	5.09	0.00	1.13	0.64	1.36	3.13	0.00	10.7	0.0	0.	0.00
236	42.300	30.00	0.0	0.0	0.0	5.32	5.08	0.00	5.08	0.00	1.12	0.64	1.37	3.13	0.00	12.3	0.0	0.	0.00
237	42.200	30.00	0.0	0.0	0.0	5.28	5.08	0.00	5.08	0.00	1.12	0.63	1.38	3.13	0.00	13.8	0.0	0.	0.00
238	42.100	30.00	0.0	0.0	0.0	5.26	5.07	0.00	5.07	0.00	1.12	0.62	1.38	3.13	0.00	15.3	0.0	0.	0.00
239	42.000	30.00	0.0	0.0	0.0	5.24	5.07	0.00	5.07	0.00	1.12	0.61	1.39	3.12	0.00	16.9	0.0	0.	0.00
240	41.900	30.00	0.0	0.0	0.0	5.22	5.06	0.00	5.06	0.00	1.12	0.60	1.40	3.12	0.00	18.4	0.0	0.	0.00
241	41.800	30.00	0.0	0.0	0.0	5.21	5.06	0.00	5.06	0.00	1.12	0.60	1.40	3.12	0.00	20.0	0.0	0.	0.00
242	41.700	30.00	0.0	0.0	0.0	5.20	5.05	0.00	5.05	0.00	1.12	0.59	1.41	3.12	0.00	21.5	0.0	0.	0.00
243	41.600	30.00	0.0	0.0	0.0	5.20	5.05	0.00	5.05	0.00	1.12	0.58	1.41	3.11	0.00	23.0	0.0	0.	0.00
244	41.500	30.00	0.0	0.0	0.0	5.20	5.04	0.00	5.04	0.00	1.12	0.57	1.42	3.11	0.00	24.6	0.0	0.	0.00
245	41.400	30.00	0.0	0.0	0.0	5.21	5.04	0.00	5.04	0.00	1.12	0.57	1.42	3.11	0.00	26.1	0.0	0.	0.00
246	41.300	30.00	0.0	0.0	0.0	5.22	5.03	0.00	5.03	0.00	1.11	0.56	1.43	3.10	0.00	27.6	0.0	0.	0.00
247	41.200	30.00	0.0	0.0	0.0	5.24	5.03	0.00	5.03	0.00	1.11	0.55	1.43	3.10	0.00	29.2	0.0	0.	0.00
248	41.100	30.00	0.0	0.0	0.0	5.26	5.02	0.00	5.02	0.00	1.11	0.54	1.44	3.09	0.00	30.7	0.0	0.	0.00
249	41.000	30.00	0.0	0.0	0.0	5.29	5.02	0.00	5.02	0.00	1.11	0.54	1.44	3.09	0.00	32.2	0.0	0.	0.00

250	40.900	30.00	0.0	0.0	0.0	5.32	5.01	0.00	5.01	0.00	1.11	0.53	1.44	3.08	0.00	33.8	0.0	0.	0.00
251	40.800	30.00	0.0	0.0	0.0	5.36	5.01	0.00	5.01	0.00	1.11	0.52	1.44	3.08	0.00	35.3	0.0	0.	0.00
252	40.700	30.00	0.0	0.0	0.0	5.39	5.01	0.00	5.01	0.00	1.11	0.52	1.45	3.07	0.00	36.8	0.0	0.	0.00
253	40.600	30.00	0.0	0.0	0.0	5.44	5.00	0.00	5.00	0.00	1.11	0.51	1.45	3.07	0.00	38.4	0.0	0.	0.00
254	40.500	30.00	0.0	0.0	0.0	5.49	5.00	0.00	5.00	0.00	1.11	0.50	1.45	3.06	0.00	39.9	0.0	0.	0.00
255	40.400	30.00	0.0	0.0	0.0	5.54	4.99	0.00	4.99	0.00	1.11	0.50	1.45	3.06	0.00	41.4	0.0	0.	0.00
256	40.300	30.00	0.0	0.0	0.0	5.59	4.99	0.00	4.99	0.00	1.10	0.49	1.45	3.05	0.00	43.0	0.0	0.	0.00
257	40.200	30.00	0.0	0.0	0.0	5.65	4.98	0.00	4.98	0.00	1.10	0.49	1.45	3.04	0.00	44.5	0.0	0.	0.00
258	40.100	30.00	0.0	0.0	0.0	5.72	4.98	0.00	4.98	0.00	1.10	0.48	1.46	3.04	0.00	46.0	0.0	0.	0.00
259	40.000	30.00	0.0	0.0	0.0	5.78	4.98	0.00	4.98	0.00	1.10	0.47	1.46	3.03	0.00	47.6	0.0	0.	0.00
260	39.900	30.00	0.0	0.0	0.0	5.86	4.97	0.00	4.97	0.00	1.10	0.47	1.46	3.02	0.00	49.1	0.0	0.	0.00
261	39.800	30.00	0.0	0.0	0.0	5.93	4.97	0.00	4.97	0.00	1.10	0.46	1.46	3.02	0.00	50.7	0.0	0.	0.00
262	39.700	30.00	0.0	0.0	0.0	6.01	4.96	0.00	4.96	0.00	1.10	0.46	1.46	3.01	0.00	52.2	0.0	0.	0.00
263	39.600	30.00	0.0	0.0	0.0	6.09	4.96	0.00	4.96	0.00	1.10	0.45	1.45	3.00	0.00	53.7	0.0	0.	0.00
264	39.500	30.00	0.0	0.0	0.0	6.18	4.95	0.00	4.95	0.00	1.10	0.44	1.45	2.99	0.00	55.3	0.0	0.	0.00
265	39.400	30.00	0.0	0.0	0.0	6.27	4.95	0.00	4.95	0.00	1.10	0.44	1.45	2.99	0.00	56.8	0.0	0.	0.00
266	39.300	30.00	0.0	0.0	0.0	6.36	4.95	0.00	4.95	0.00	1.10	0.43	1.45	2.98	0.00	58.3	0.0	0.	0.00
267	39.200	30.00	0.0	0.0	0.0	6.46	4.94	0.00	4.94	0.00	1.09	0.43	1.45	2.97	0.00	59.9	0.0	0.	0.00
268	39.100	30.00	0.0	0.0	0.0	6.56	4.94	0.00	4.94	0.00	1.09	0.42	1.45	2.96	0.00	61.4	0.0	0.	0.00
269	39.000	30.00	0.0	0.0	0.0	6.66	4.93	0.00	4.93	0.00	1.09	0.42	1.44	2.95	0.00	62.9	0.0	0.	0.00
270	38.900	30.00	0.0	0.0	0.0	6.77	4.93	0.00	4.93	0.00	1.09	0.41	1.44	2.94	0.00	64.5	0.0	0.	0.00
271	38.800	30.00	0.0	0.0	0.0	6.88	4.93	0.00	4.93	0.00	1.09	0.40	1.44	2.93	0.00	66.0	0.0	0.	0.00
347	38.700	30.00	0.0	0.0	0.0	7.06	4.90	0.00	4.90	0.00	1.09	0.40	1.43	2.91	0.00	65.1	0.0	0.	0.00
348	38.600	30.00	0.0	0.0	0.0	7.22	4.89	0.00	4.89	0.00	1.09	0.39	1.42	2.89	0.00	64.2	0.0	0.	0.00
349	38.500	30.00	0.0	0.0	0.0	7.39	4.87	0.00	4.87	0.00	1.08	0.38	1.42	2.88	0.00	63.3	0.0	0.	0.00
350	38.400	30.00	0.0	0.0	0.0	7.54	4.86	0.00	4.86	0.00	1.08	0.37	1.41	2.87	0.00	62.4	0.0	0.	0.00
351	38.300	30.00	0.0	0.0	0.0	7.70	4.85	0.00	4.85	0.00	1.08	0.36	1.41	2.85	0.00	61.5	0.0	0.	0.00
352	38.200	30.00	0.0	0.0	0.0	7.84	4.83	0.00	4.83	0.00	1.08	0.36	1.40	2.84	0.00	60.6	0.0	0.	0.00
353	38.100	30.00	0.0	0.0	0.0	7.98	4.82	0.00	4.82	0.00	1.08	0.35	1.40	2.82	0.00	59.7	0.0	0.	0.00
354	38.000	30.00	0.0	0.0	0.0	8.11	4.80	0.00	4.80	0.00	1.08	0.34	1.39	2.81	0.00	58.8	0.0	0.	0.00
355	37.900	30.00	0.0	0.0	0.0	8.24	4.79	0.00	4.79	0.00	1.08	0.33	1.39	2.80	0.00	57.9	0.0	0.	0.00
356	37.800	30.00	0.0	0.0	0.0	8.37	4.78	0.00	4.78	0.00	1.07	0.33	1.38	2.78	0.00	57.0	0.0	0.	0.00
357	37.700	30.00	0.0	0.0	0.0	8.49	4.76	0.00	4.76	0.00	1.07	0.32	1.38	2.77	0.00	56.1	0.0	0.	0.00
358	37.600	30.00	0.0	0.0	0.0	8.60	4.75	0.00	4.75	0.00	1.07	0.31	1.37	2.76	0.00	55.2	0.0	0.	0.00
359	37.500	30.00	0.0	0.0	0.0	8.71	4.74	0.00	4.74	0.00	1.07	0.31	1.37	2.75	0.00	54.2	0.0	0.	0.00
360	37.400	30.00	0.0	0.0	0.0	8.81	4.73	0.00	4.73	0.00	1.07	0.30	1.36	2.73	0.00	53.3	0.0	0.	0.00
361	37.300	30.00	0.0	0.0	0.0	8.91	4.71	0.00	4.71	0.00	1.07	0.30	1.36	2.72	0.00	52.4	0.0	0.	0.00
362	37.200	30.00	0.0	0.0	0.0	9.00	4.70	0.00	4.70	0.00	1.07	0.29	1.36	2.71	0.00	51.5	0.0	0.	0.00
363	37.100	30.00	0.0	0.0	0.0	9.09	4.69	0.00	4.69	0.00	1.06	0.28	1.35	2.70	0.00	50.6	0.0	0.	0.00
364	37.000	30.00	0.0	0.0	0.0	9.17	4.67	0.00	4.67	0.00	1.06	0.28	1.35	2.69	0.00	49.7	0.0	0.	0.00
365	36.900	30.00	0.0	0.0	0.0	9.25	4.66	0.00	4.66	0.00	1.06	0.27	1.34	2.68	0.00	48.8	0.0	0.	0.00
366	36.800	30.00	0.0	0.0	0.0	8.97	4.39	0.00	4.39	0.00	1.01	0.37	1.24	2.62	0.00	47.9	0.0	0.	0.00
367	36.700	30.00	0.0	0.0	0.0	9.00	4.53	0.00	4.53	0.00	1.02	0.37	1.23	2.61	0.00	47.0	0.0	0.	0.00
368	36.600	30.00	0.0	0.0	0.0	9.05	4.52	0.00	4.52	0.00	1.01	0.36	1.23	2.60	0.00	46.1	0.0	0.	0.00
369	36.500	30.00	0.0	0.0	0.0	9.11	4.51	0.00	4.51	0.00	1.01	0.35	1.23	2.59	0.00	45.2	0.0	0.	0.00
370	36.400	30.00	0.0	0.0	0.0	9.15	4.50	0.00	4.50	0.00	1.01	0.35	1.23	2.58	0.00	44.3	0.0	0.	0.00
371	36.300	30.00	0.0	0.0	0.0	9.20	4.49	0.00	4.49	0.00	1.01	0.34	1.23	2.58	0.00	43.4	0.0	0.	0.00
372	36.200	30.00	0.0	0.0	0.0	9.24	4.48	0.00	4.48	0.00	1.01	0.33	1.22	2.57	0.00	42.5	0.0	0.	0.00
373	36.100	30.00	0.0	0.0	0.0	9.28	4.47	0.00	4.47	0.00	1.01	0.33	1.22	2.56	0.00	41.6	0.0	0.	0.00
374	36.000	30.00	0.0	0.0	0.0	9.31	4.46	0.00	4.46	0.00	1.01	0.32	1.22	2.55	0.00	40.7	0.0	0.	0.00

375	35.900	30.00	0.0	0.0	0.0	9.34	4.45	0.00	4.45	0.00	1.01	0.31	1.22	2.54	0.00	39.8	0.0	0. 0.00
376	35.800	30.00	0.0	0.0	0.0	9.37	4.44	0.00	4.44	0.00	1.00	0.31	1.22	2.53	0.00	38.9	0.0	0. 0.00
377	35.700	30.00	0.0	0.0	0.0	9.39	4.43	0.00	4.43	0.00	1.00	0.30	1.22	2.53	0.00	38.0	0.0	0. 0.00
378	35.600	30.00	0.0	0.0	0.0	9.41	4.43	0.00	4.43	0.00	1.00	0.30	1.22	2.52	0.00	37.1	0.0	0. 0.00
379	35.500	30.00	0.0	0.0	0.0	9.42	4.42	0.00	4.42	0.00	1.00	0.29	1.22	2.51	0.00	36.2	0.0	0. 0.00
380	35.400	30.00	0.0	0.0	0.0	9.44	4.41	0.00	4.41	0.00	1.00	0.29	1.22	2.50	0.00	35.3	0.0	0. 0.00
381	35.300	30.00	0.0	0.0	0.0	9.45	4.40	0.00	4.40	0.00	1.00	0.28	1.22	2.50	0.00	34.4	0.0	0. 0.00
382	35.200	30.00	0.0	0.0	0.0	9.45	4.39	0.00	4.39	0.00	1.00	0.28	1.22	2.49	0.00	33.5	0.0	0. 0.00
383	35.100	30.00	0.0	0.0	0.0	9.46	4.38	0.00	4.38	0.00	0.99	0.27	1.22	2.48	0.00	32.5	0.0	0. 0.00
384	35.000	30.00	0.0	0.0	0.0	9.46	4.37	0.00	4.37	0.00	0.99	0.27	1.22	2.48	0.00	31.6	0.0	0. 0.00
385	34.900	30.00	0.0	0.0	0.0	9.45	4.36	0.00	4.36	0.00	0.99	0.26	1.21	2.47	0.00	30.7	0.0	0. 0.00
386	34.800	30.00	0.0	0.0	0.0	9.45	4.36	0.00	4.36	0.00	0.99	0.26	1.21	2.46	0.00	29.8	0.0	0. 0.00
387	34.700	30.00	0.0	0.0	0.0	9.44	4.35	0.00	4.35	0.00	0.99	0.25	1.21	2.46	0.00	28.9	0.0	0. 0.00
388	34.600	30.00	0.0	0.0	0.0	9.42	4.34	0.00	4.34	0.00	0.99	0.25	1.21	2.45	0.00	28.0	0.0	0. 0.00
389	34.500	30.00	0.0	0.0	0.0	9.41	4.33	0.00	4.33	0.00	0.99	0.24	1.21	2.45	0.00	27.1	0.0	0. 0.00
390	34.400	30.00	0.0	0.0	0.0	9.39	4.32	0.00	4.32	0.00	0.99	0.24	1.21	2.44	0.00	26.2	0.0	0. 0.00
391	34.300	30.00	0.0	0.0	0.0	9.37	4.32	0.00	4.32	0.00	0.98	0.24	1.21	2.43	0.00	25.3	0.0	0. 0.00
392	34.200	30.00	0.0	0.0	0.0	9.34	4.31	0.00	4.31	0.00	0.98	0.23	1.21	2.43	0.00	24.4	0.0	0. 0.00
393	34.100	30.00	0.0	0.0	0.0	9.32	4.30	0.00	4.30	0.00	0.98	0.23	1.22	2.42	0.00	23.5	0.0	0. 0.00
394	34.000	30.00	0.0	0.0	0.0	9.29	4.29	0.00	4.29	0.00	0.98	0.22	1.22	2.42	0.00	22.6	0.0	0. 0.00
395	33.900	30.00	0.0	0.0	0.0	9.25	4.28	0.00	4.28	0.00	0.98	0.22	1.22	2.42	0.00	21.7	0.0	0. 0.00
396	33.800	30.00	0.0	0.0	0.0	9.22	4.28	0.00	4.28	0.00	0.98	0.22	1.22	2.41	0.00	20.8	0.0	0. 0.00
397	33.700	30.00	0.0	0.0	0.0	9.18	4.27	0.00	4.27	0.00	0.98	0.21	1.22	2.41	0.00	19.9	0.0	0. 0.00
398	33.600	30.00	0.0	0.0	0.0	9.14	4.26	0.00	4.26	0.00	0.98	0.21	1.22	2.40	0.00	19.0	0.0	0. 0.00
399	33.500	30.00	0.0	0.0	0.0	9.09	4.25	0.00	4.25	0.00	0.97	0.21	1.22	2.40	0.00	18.1	0.0	0. 0.00
400	33.400	30.00	0.0	0.0	0.0	9.05	4.25	0.00	4.25	0.00	0.97	0.20	1.22	2.40	0.00	17.2	0.0	0. 0.00
401	33.300	30.00	0.0	0.0	0.0	9.00	4.24	0.00	4.24	0.00	0.97	0.20	1.22	2.39	0.00	16.3	0.0	0. 0.00
402	33.200	30.00	0.0	0.0	0.0	8.95	4.23	0.00	4.23	0.00	0.97	0.20	1.22	2.39	0.00	15.4	0.0	0. 0.00
403	33.100	30.00	0.0	0.0	0.0	8.89	4.23	0.00	4.23	0.00	0.97	0.19	1.22	2.39	0.00	14.5	0.0	0. 0.00
404	33.000	30.00	0.0	0.0	0.0	8.84	4.22	0.00	4.22	0.00	0.97	0.19	1.23	2.38	0.00	13.6	0.0	0. 0.00
405	32.900	30.00	0.0	0.0	0.0	8.78	4.21	0.00	4.21	0.00	0.97	0.19	1.23	2.38	0.00	12.7	0.0	0. 0.00
406	32.800	30.00	0.0	0.0	0.0	8.72	4.20	0.00	4.20	0.00	0.97	0.18	1.23	2.38	0.00	11.8	0.0	0. 0.00
407	32.700	30.00	0.0	0.0	0.0	8.65	4.20	0.00	4.20	0.00	0.96	0.18	1.23	2.38	0.00	10.8	0.0	0. 0.00
408	32.600	30.00	0.0	0.0	0.0	8.59	4.19	0.00	4.19	0.00	0.96	0.18	1.23	2.37	0.00	9.9	0.0	0. 0.00
409	32.500	30.00	0.0	0.0	0.0	8.52	4.18	0.00	4.18	0.00	0.96	0.17	1.24	2.37	0.00	9.0	0.0	0. 0.00
410	32.400	30.00	0.0	0.0	0.0	8.45	4.18	0.00	4.18	0.00	0.96	0.17	1.24	2.37	0.00	8.1	0.0	0. 0.00
411	32.300	30.00	0.0	0.0	0.0	8.37	4.17	0.00	4.17	0.00	0.96	0.17	1.24	2.37	0.00	7.2	0.0	0. 0.00
412	32.200	30.00	0.0	0.0	0.0	8.30	4.16	0.00	4.16	0.00	0.96	0.17	1.24	2.37	0.00	6.3	0.0	0. 0.00
413	32.100	30.00	0.0	0.0	0.0	8.22	4.16	0.00	4.16	0.00	0.96	0.16	1.25	2.37	0.00	5.4	0.0	0. 0.00
414	32.000	30.00	0.0	0.0	0.0	8.14	4.15	0.00	4.15	0.00	0.96	0.16	1.25	2.37	0.00	4.5	0.0	0. 0.00
415	31.900	30.00	0.0	0.0	0.0	8.06	4.14	0.00	4.14	0.00	0.95	0.16	1.25	2.36	0.00	3.6	0.0	0. 0.00
416	31.800	30.00	0.0	0.0	0.0	7.97	4.14	0.00	4.14	0.00	0.95	0.16	1.25	2.36	0.00	2.7	0.0	0. 0.00
417	31.700	30.00	0.0	0.0	0.0	7.89	4.13	0.00	4.13	0.00	0.95	0.15	1.26	2.36	0.00	1.8	0.0	0. 0.00
418	31.600	30.00	0.0	0.0	0.0	7.80	4.13	0.00	4.13	0.00	0.95	0.15	1.26	2.36	0.00	0.9	0.0	0. 0.00
419	31.500	30.00	0.0	0.0	0.0	7.71	4.12	0.00	4.12	0.00	0.95	0.15	1.26	2.36	0.00	0.0	0.0	0. 0.00
554	31.400	30.00	0.0	0.0	0.0	6.68	1.48	0.00	1.48	0.00	0.48	0.06	1.64	2.19	0.00	0.0	0.0	0. 0.00
555	31.300	30.00	0.0	0.0	0.0	6.66	1.48	0.00	1.48	0.00	0.48	0.06	1.64	2.19	0.00	0.0	0.0	0. 0.00
556	31.200	30.00	0.0	0.0	0.0	6.65	1.47	0.00	1.47	0.00	0.48	0.06	1.64	2.19	0.00	0.0	0.0	0. 0.00
557	31.100	30.00	0.0	0.0	0.0	6.63	1.46	0.00	1.46	0.00	0.48	0.06	1.65	2.19	0.00	0.0	0.0	0. 0.00
558	31.000	30.00	0.0	0.0	0.0	6.61	1.46	0.00	1.46	0.00	0.48	0.06	1.65	2.19	0.00	0.0	0.0	0. 0.00

559	30.900	30.00	0.0	0.0	0.0	6.59	1.45	0.00	1.45	0.00	0.48	0.06	1.65	2.19	0.00	0.0	0.0	0.	0.00
560	30.800	30.00	0.0	0.0	0.0	6.57	1.45	0.00	1.45	0.00	0.49	0.06	1.65	2.19	0.00	0.0	0.0	0.	0.00
561	30.700	30.00	0.0	0.0	0.0	6.55	1.44	0.00	1.44	0.00	0.49	0.06	1.65	2.19	0.00	0.0	0.0	0.	0.00
562	30.600	30.00	0.0	0.0	0.0	6.53	1.44	0.00	1.44	0.00	0.49	0.06	1.65	2.19	0.00	0.0	0.0	0.	0.00
563	30.500	30.00	0.0	0.0	0.0	6.51	1.43	0.00	1.43	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
564	30.400	30.00	0.0	0.0	0.0	6.49	1.43	0.00	1.43	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
565	30.300	30.00	0.0	0.0	0.0	6.47	1.42	0.00	1.42	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
566	30.200	30.00	0.0	0.0	0.0	6.46	1.42	0.00	1.42	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
567	30.100	30.00	0.0	0.0	0.0	6.44	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
568	30.000	30.00	0.0	0.0	0.0	6.42	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
569	29.900	30.00	0.0	0.0	0.0	6.40	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
570	29.800	30.00	0.0	0.0	0.0	6.39	1.40	0.00	1.40	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
571	29.700	30.00	0.0	0.0	0.0	6.37	1.40	0.00	1.40	0.00	0.49	0.06	1.65	2.20	0.00	0.0	0.0	0.	0.00
572	29.600	30.00	0.0	0.0	0.0	6.35	1.39	0.00	1.39	0.00	0.49	0.06	1.65	2.21	0.00	0.0	0.0	0.	0.00
573	29.500	30.00	0.0	0.0	0.0	6.34	1.39	0.00	1.39	0.00	0.50	0.06	1.66	2.21	0.00	0.0	0.0	0.	0.00
574	29.400	30.00	0.0	0.0	0.0	6.32	1.38	0.00	1.38	0.00	0.50	0.06	1.66	2.21	0.00	0.0	0.0	0.	0.00
575	29.300	30.00	0.0	0.0	0.0	6.30	1.38	0.00	1.38	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
576	29.200	30.00	0.0	0.0	0.0	6.29	1.37	0.00	1.37	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
577	29.100	30.00	0.0	0.0	0.0	6.27	1.37	0.00	1.37	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
578	29.000	30.00	0.0	0.0	0.0	6.25	1.36	0.00	1.36	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
579	28.900	30.00	0.0	0.0	0.0	6.24	1.36	0.00	1.36	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
580	28.800	30.00	0.0	0.0	0.0	6.22	1.35	0.00	1.35	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
581	28.700	30.00	0.0	0.0	0.0	6.21	1.35	0.00	1.35	0.00	0.50	0.05	1.66	2.21	0.00	0.0	0.0	0.	0.00
582	28.600	30.00	0.0	0.0	0.0	6.19	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
583	28.500	30.00	0.0	0.0	0.0	6.17	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
584	28.400	30.00	0.0	0.0	0.0	6.16	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
585	28.300	30.00	0.0	0.0	0.0	6.14	1.33	0.00	1.33	0.00	0.50	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
586	28.200	30.00	0.0	0.0	0.0	6.13	1.33	0.00	1.33	0.00	0.51	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
587	28.100	30.00	0.0	0.0	0.0	6.11	1.32	0.00	1.32	0.00	0.51	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
588	28.000	30.00	0.0	0.0	0.0	6.10	1.32	0.00	1.32	0.00	0.51	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
589	27.900	30.00	0.0	0.0	0.0	6.09	1.31	0.00	1.31	0.00	0.51	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
590	27.800	30.00	0.0	0.0	0.0	6.07	1.31	0.00	1.31	0.00	0.51	0.05	1.66	2.22	0.00	0.0	0.0	0.	0.00
591	27.700	30.00	0.0	0.0	0.0	6.06	1.31	0.00	1.31	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
592	27.600	30.00	0.0	0.0	0.0	6.04	1.30	0.00	1.30	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
593	27.500	30.00	0.0	0.0	0.0	6.03	1.30	0.00	1.30	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
594	27.400	30.00	0.0	0.0	0.0	6.01	1.29	0.00	1.29	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
595	27.300	30.00	0.0	0.0	0.0	6.00	1.29	0.00	1.29	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
596	27.200	30.00	0.0	0.0	0.0	5.99	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
597	27.100	30.00	0.0	0.0	0.0	5.97	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
598	27.000	30.00	0.0	0.0	0.0	5.96	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
599	26.900	30.00	0.0	0.0	0.0	5.95	1.27	0.00	1.27	0.00	0.52	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
600	26.800	30.00	0.0	0.0	0.0	5.93	1.27	0.00	1.27	0.00	0.52	0.05	1.67	2.23	0.00	0.0	0.0	0.	0.00
601	26.700	30.00	0.0	0.0	0.0	5.92	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
602	26.600	30.00	0.0	0.0	0.0	5.91	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
603	26.500	30.00	0.0	0.0	0.0	5.90	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
604	26.400	30.00	0.0	0.0	0.0	5.88	1.25	0.00	1.25	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
605	26.300	30.00	0.0	0.0	0.0	5.87	1.25	0.00	1.25	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
606	26.200	30.00	0.0	0.0	0.0	5.86	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
607	26.100	30.00	0.0	0.0	0.0	5.85	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
608	26.000	30.00	0.0	0.0	0.0	5.83	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00

609	25.900	30.00	0.0	0.0	0.0	5.82	1.23	0.00	1.23	0.00	0.52	0.05	1.67	2.24	0.00	0.0	0.0	0.	0.00
610	25.800	30.00	0.0	0.0	0.0	5.81	1.23	0.00	1.23	0.00	0.52	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
611	25.700	30.00	0.0	0.0	0.0	5.80	1.22	0.00	1.22	0.00	0.52	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
612	25.600	30.00	0.0	0.0	0.0	5.79	1.22	0.00	1.22	0.00	0.52	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
613	25.500	30.00	0.0	0.0	0.0	5.77	1.22	0.00	1.22	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
614	25.400	30.00	0.0	0.0	0.0	5.76	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
615	25.300	30.00	0.0	0.0	0.0	5.75	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
616	25.200	30.00	0.0	0.0	0.0	5.74	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
617	25.100	30.00	0.0	0.0	0.0	5.73	1.20	0.00	1.20	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
618	25.000	30.00	0.0	0.0	0.0	5.72	1.20	0.00	1.20	0.00	0.53	0.05	1.68	2.25	0.00	0.0	0.0	0.	0.00
619	24.900	30.00	0.0	0.0	0.0	5.71	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.0	0.0	0.	0.00
620	24.800	30.00	0.0	0.0	0.0	5.70	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.0	0.0	0.	0.00
621	24.700	30.00	0.0	0.0	0.0	5.69	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.0	0.0	0.	0.00
622	24.600	30.00	0.0	0.0	0.0	5.67	1.18	0.00	1.18	0.00	0.53	0.05	1.68	2.26	0.00	0.0	0.0	0.	0.00
623	24.500	30.00	0.0	0.0	0.0	5.66	1.18	0.00	1.18	0.00	0.53	0.05	1.68	2.26	0.00	0.0	0.0	0.	0.00
624	24.400	30.00	0.0	0.0	0.0	5.65	1.18	0.00	1.18	0.00	0.53	0.04	1.68	2.26	0.00	0.0	0.0	0.	0.00
625	24.300	30.00	0.0	0.0	0.0	5.64	1.17	0.00	1.17	0.00	0.53	0.04	1.68	2.26	0.00	0.0	0.0	0.	0.00
626	24.200	30.00	0.0	0.0	0.0	5.63	1.17	0.00	1.17	0.00	0.54	0.04	1.68	2.26	0.00	0.0	0.0	0.	0.00
627	24.100	30.00	0.0	0.0	0.0	5.62	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.26	0.00	0.0	0.0	0.	0.00
628	24.000	30.00	0.0	0.0	0.0	5.61	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.26	0.00	0.0	0.0	0.	0.00
629	23.900	30.00	0.0	0.0	0.0	5.60	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.27	0.00	0.0	0.0	0.	0.00
630	23.800	30.00	0.0	0.0	0.0	5.59	1.15	0.00	1.15	0.00	0.54	0.04	1.68	2.27	0.00	0.0	0.0	0.	0.00
631	23.700	30.00	0.0	0.0	0.0	5.58	1.15	0.00	1.15	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
632	23.600	30.00	0.0	0.0	0.0	5.57	1.15	0.00	1.15	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
633	23.500	30.00	0.0	0.0	0.0	5.56	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
634	23.400	30.00	0.0	0.0	0.0	5.55	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
635	23.300	30.00	0.0	0.0	0.0	5.55	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
636	23.200	30.00	0.0	0.0	0.0	5.54	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
637	23.100	30.00	0.0	0.0	0.0	5.53	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.27	0.00	0.0	0.0	0.	0.00
638	23.000	30.00	0.0	0.0	0.0	5.52	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
639	22.900	30.00	0.0	0.0	0.0	5.51	1.12	0.00	1.12	0.00	0.54	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
640	22.800	30.00	0.0	0.0	0.0	5.50	1.12	0.00	1.12	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
641	22.700	30.00	0.0	0.0	0.0	5.49	1.12	0.00	1.12	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
642	22.600	30.00	0.0	0.0	0.0	5.48	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
643	22.500	30.00	0.0	0.0	0.0	5.47	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
644	22.400	30.00	0.0	0.0	0.0	5.46	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
645	22.300	30.00	0.0	0.0	0.0	5.46	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
646	22.200	30.00	0.0	0.0	0.0	5.45	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
647	22.100	30.00	0.0	0.0	0.0	5.44	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.0	0.0	0.	0.00
648	22.000	30.00	0.0	0.0	0.0	5.43	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
649	21.900	30.00	0.0	0.0	0.0	5.42	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
650	21.800	30.00	0.0	0.0	0.0	5.41	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
651	21.700	30.00	0.0	0.0	0.0	5.41	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
652	21.600	30.00	0.0	0.0	0.0	5.40	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
653	21.500	30.00	0.0	0.0	0.0	5.39	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.0	0.0	0.	0.00
654	21.400	30.00	0.0	0.0	0.0	5.38	1.08	0.00	1.08	0.00	0.56	0.04	1.70	2.29	0.00	0.0	0.0	0.	0.00
655	21.300	30.00	0.0	0.0	0.0	5.37	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.29	0.00	0.0	0.0	0.	0.00
656	21.200	30.00	0.0	0.0	0.0	5.37	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.29	0.00	0.0	0.0	0.	0.00
657	21.100	30.00	0.0	0.0	0.0	5.36	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
658	21.000	30.00	0.0	0.0	0.0	5.35	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00

659	20.900	30.00	0.0	0.0	0.0	5.34	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
660	20.800	30.00	0.0	0.0	0.0	5.34	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
661	20.700	30.00	0.0	0.0	0.0	5.33	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
662	20.600	30.00	0.0	0.0	0.0	5.32	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
663	20.500	30.00	0.0	0.0	0.0	5.32	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
664	20.400	30.00	0.0	0.0	0.0	5.31	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
665	20.300	30.00	0.0	0.0	0.0	5.30	1.04	0.00	1.04	0.00	0.56	0.04	1.70	2.30	0.00	0.0	0.0	0.	0.00
666	20.200	30.00	0.0	0.0	0.0	5.29	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.31	0.00	0.0	0.0	0.	0.00
667	20.100	30.00	0.0	0.0	0.0	5.29	1.04	0.00	1.04	0.00	0.56	0.04	1.70	2.31	0.00	0.0	0.0	0.	0.00
668	20.000	30.00	0.0	0.0	0.0	5.28	1.04	0.00	1.04	0.00	0.57	0.04	1.70	2.31	0.00	0.0	0.0	0.	0.00
669	19.900	30.00	0.0	0.0	0.0	5.27	1.04	0.00	1.04	0.00	0.57	0.04	1.71	2.31	0.00	0.0	0.0	0.	0.00
670	19.800	30.00	0.0	0.0	0.0	5.27	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.31	0.00	0.0	0.0	0.	0.00
671	19.700	30.00	0.0	0.0	0.0	5.26	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.31	0.00	0.0	0.0	0.	0.00
672	19.600	30.00	0.0	0.0	0.0	5.25	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
673	19.500	30.00	0.0	0.0	0.0	5.25	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
674	19.400	30.00	0.0	0.0	0.0	5.24	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
675	19.300	30.00	0.0	0.0	0.0	5.23	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
676	19.200	30.00	0.0	0.0	0.0	5.23	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
677	19.100	30.00	0.0	0.0	0.0	5.22	1.01	0.00	1.01	0.00	0.57	0.04	1.71	2.32	0.00	0.0	0.0	0.	0.00
678	19.000	30.00	0.0	0.0	0.0	5.19	1.08	0.00	1.08	0.00	0.56	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
679	18.900	30.00	0.0	0.0	0.0	5.18	1.08	0.00	1.08	0.00	0.56	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
680	18.800	30.00	0.0	0.0	0.0	5.18	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
681	18.700	30.00	0.0	0.0	0.0	5.17	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
682	18.600	30.00	0.0	0.0	0.0	5.17	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
683	18.500	30.00	0.0	0.0	0.0	5.16	1.06	0.00	1.06	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
684	18.400	30.00	0.0	0.0	0.0	5.16	1.06	0.00	1.06	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
685	18.300	30.00	0.0	0.0	0.0	5.15	1.06	0.00	1.06	0.00	0.57	0.04	1.52	2.12	0.00	0.0	0.0	0.	0.00
686	18.200	30.00	0.0	0.0	0.0	5.15	1.06	0.00	1.06	0.00	0.57	0.04	1.52	2.12	0.00	0.0	0.0	0.	0.00
687	18.100	30.00	0.0	0.0	0.0	5.14	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.12	0.00	0.0	0.0	0.	0.00
688	18.000	30.00	0.0	0.0	0.0	5.14	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
689	17.900	30.00	0.0	0.0	0.0	5.13	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
690	17.800	30.00	0.0	0.0	0.0	5.13	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
691	17.700	30.00	0.0	0.0	0.0	5.12	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
692	17.600	30.00	0.0	0.0	0.0	5.12	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
693	17.500	30.00	0.0	0.0	0.0	5.11	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
694	17.400	30.00	0.0	0.0	0.0	5.11	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
695	17.300	30.00	0.0	0.0	0.0	5.10	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
696	17.200	30.00	0.0	0.0	0.0	5.10	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
697	17.100	30.00	0.0	0.0	0.0	5.09	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
698	17.000	30.00	0.0	0.0	0.0	5.09	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.0	0.0	0.	0.00
699	16.900	30.00	0.0	0.0	0.0	5.08	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
700	16.800	30.00	0.0	0.0	0.0	5.08	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
701	16.700	30.00	0.0	0.0	0.0	5.07	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
702	16.600	30.00	0.0	0.0	0.0	5.07	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
703	16.500	30.00	0.0	0.0	0.0	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
704	16.400	30.00	0.0	0.0	0.0	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
705	16.300	30.00	0.0	0.0	0.0	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
706	16.200	30.00	0.0	0.0	0.0	5.05	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
707	16.100	30.00	0.0	0.0	0.0	5.05	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00
708	16.000	30.00	0.0	0.0	0.0	5.04	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.14	0.00	0.0	0.0	0.	0.00

709	15.900	30.00	0.0	0.0	0.0	5.04	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.15	0.00	0.0	0.0	0.	0.00
829	15.800	30.00	0.0	0.0	0.0	5.15	1.19	0.00	1.19	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
830	15.700	30.00	0.0	0.0	0.0	5.14	1.18	0.00	1.18	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
831	15.600	30.00	0.0	0.0	0.0	5.14	1.17	0.00	1.17	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
832	15.500	30.00	0.0	0.0	0.0	5.13	1.17	0.00	1.17	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
833	15.400	30.00	0.0	0.0	0.0	5.13	1.16	0.00	1.16	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
834	15.300	30.00	0.0	0.0	0.0	5.12	1.15	0.00	1.15	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
835	15.200	30.00	0.0	0.0	0.0	5.12	1.14	0.00	1.14	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
836	15.100	30.00	0.0	0.0	0.0	5.12	1.13	0.00	1.13	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
837	15.000	30.00	0.0	0.0	0.0	5.11	1.12	0.00	1.12	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
838	14.900	30.00	0.0	0.0	0.0	5.11	1.12	0.00	1.12	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
839	14.800	30.00	0.0	0.0	0.0	5.10	1.11	0.00	1.11	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
840	14.700	30.00	0.0	0.0	0.0	5.10	1.10	0.00	1.10	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
841	14.600	30.00	0.0	0.0	0.0	5.09	1.09	0.00	1.09	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
842	14.500	30.00	0.0	0.0	0.0	5.09	1.08	0.00	1.08	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
843	14.400	30.00	0.0	0.0	0.0	5.09	1.07	0.00	1.07	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
844	14.300	30.00	0.0	0.0	0.0	5.08	1.07	0.00	1.07	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
845	14.200	30.00	0.0	0.0	0.0	5.08	1.06	0.00	1.06	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
846	14.100	30.00	0.0	0.0	0.0	5.07	1.05	0.00	1.05	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
847	14.000	30.00	0.0	0.0	0.0	5.07	1.04	0.00	1.04	0.00	0.56	0.04	1.50	2.10	0.00	0.0	0.0	0.	0.00
848	13.900	30.00	0.0	0.0	0.0	5.07	1.04	0.00	1.04	0.00	0.56	0.04	1.51	2.10	0.00	0.0	0.0	0.	0.00
849	13.800	30.00	0.0	0.0	0.0	5.06	1.03	0.00	1.03	0.00	0.56	0.04	1.51	2.10	0.00	0.0	0.0	0.	0.00
850	13.700	30.00	0.0	0.0	0.0	5.06	1.02	0.00	1.02	0.00	0.56	0.04	1.51	2.10	0.00	0.0	0.0	0.	0.00
851	13.600	30.00	0.0	0.0	0.0	5.06	1.01	0.00	1.01	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
852	13.500	30.00	0.0	0.0	0.0	5.05	1.01	0.00	1.01	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
853	13.400	30.00	0.0	0.0	0.0	5.05	1.00	0.00	1.00	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
854	13.300	30.00	0.0	0.0	0.0	5.05	0.99	0.00	0.99	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
855	13.200	30.00	0.0	0.0	0.0	5.05	0.98	0.00	0.98	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
856	13.100	30.00	0.0	0.0	0.0	5.04	0.98	0.00	0.98	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
857	13.000	30.00	0.0	0.0	0.0	5.04	0.97	0.00	0.97	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
858	12.900	30.00	0.0	0.0	0.0	5.04	0.96	0.00	0.96	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
859	12.800	30.00	0.0	0.0	0.0	5.03	0.96	0.00	0.96	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
860	12.700	30.00	0.0	0.0	0.0	5.03	0.95	0.00	0.95	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
861	12.600	30.00	0.0	0.0	0.0	5.03	0.94	0.00	0.94	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
862	12.500	30.00	0.0	0.0	0.0	5.03	0.93	0.00	0.93	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
863	12.400	30.00	0.0	0.0	0.0	5.02	0.93	0.00	0.93	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
864	12.300	30.00	0.0	0.0	0.0	5.02	0.92	0.00	0.92	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
865	12.200	30.00	0.0	0.0	0.0	5.02	0.91	0.00	0.91	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
866	12.100	30.00	0.0	0.0	0.0	5.02	0.91	0.00	0.91	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
867	12.000	30.00	0.0	0.0	0.0	5.02	0.90	0.00	0.90	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
868	11.900	30.00	0.0	0.0	0.0	5.01	0.89	0.00	0.89	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
869	11.800	30.00	0.0	0.0	0.0	5.01	0.89	0.00	0.89	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
870	11.700	30.00	0.0	0.0	0.0	5.01	0.88	0.00	0.88	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
871	11.600	30.00	0.0	0.0	0.0	5.01	0.87	0.00	0.87	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
872	11.500	30.00	0.0	0.0	0.0	5.01	0.87	0.00	0.87	0.00	0.56	0.04	1.51	2.11	0.00	0.0	0.0	0.	0.00
873	11.400	30.00	0.0	0.0	0.0	5.00	0.86	0.00	0.86	0.00	0.56	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
874	11.300	30.00	0.0	0.0	0.0	5.00	0.85	0.00	0.85	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
875	11.200	30.00	0.0	0.0	0.0	5.00	0.85	0.00	0.85	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
876	11.100	30.00	0.0	0.0	0.0	5.00	0.84	0.00	0.84	0.00	0.57	0.04	1.51	2.12	0.00	0.0	0.0	0.	0.00
877	11.000	30.00	0.0	0.0	0.0	5.00	0.84	0.00	0.84	0.00	0.57	0.04	1.52	2.12	0.00	0.0	0.0	0.	0.00

878	10.900	30.00	0.0	0.0	0.0	5.00	0.83	0.00	0.83	0.00	0.57	0.04	1.52	2.12	0.00	0.0	0.0	0.	0.00
1047	10.800	30.00	0.0	0.0	0.0	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1048	10.700	30.00	0.0	0.0	0.0	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1049	10.600	30.00	0.0	0.0	0.0	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1050	10.500	30.00	0.0	0.0	0.0	5.47	1.18	0.00	1.18	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1051	10.400	30.00	0.0	0.0	0.0	5.47	1.18	0.00	1.18	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1052	10.300	30.00	0.0	0.0	0.0	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1053	10.200	30.00	0.0	0.0	0.0	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1054	10.100	30.00	0.0	0.0	0.0	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1055	10.000	30.00	0.0	0.0	0.0	5.47	1.16	0.00	1.16	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1056	9.900	30.00	0.0	0.0	0.0	5.47	1.16	0.00	1.16	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1057	9.800	30.00	0.0	0.0	0.0	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1058	9.700	30.00	0.0	0.0	0.0	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1059	9.600	30.00	0.0	0.0	0.0	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1060	9.500	30.00	0.0	0.0	0.0	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1061	9.400	30.00	0.0	0.0	0.0	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1062	9.300	30.00	0.0	0.0	0.0	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.0	0.0	0.	0.00
1063	9.200	30.00	0.0	0.0	0.0	5.46	1.13	0.00	1.13	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1064	9.100	30.00	0.0	0.0	0.0	5.46	1.13	0.00	1.13	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1065	9.000	30.00	0.0	0.0	0.0	5.46	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1066	8.900	30.00	0.0	0.0	0.0	5.45	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1067	8.800	30.00	0.0	0.0	0.0	5.45	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1068	8.700	30.00	0.0	0.0	0.0	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1069	8.600	30.00	0.0	0.0	0.0	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1070	8.500	30.00	0.0	0.0	0.0	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1071	8.400	30.00	0.0	0.0	0.0	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1072	8.300	30.00	0.0	0.0	0.0	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1073	8.200	30.00	0.0	0.0	0.0	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1074	8.100	30.00	0.0	0.0	0.0	5.45	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1075	8.000	30.00	0.0	0.0	0.0	5.45	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1076	7.900	30.00	0.0	0.0	0.0	5.44	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1077	7.800	30.00	0.0	0.0	0.0	5.44	1.08	0.00	1.08	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1078	7.700	30.00	0.0	0.0	0.0	5.44	1.08	0.00	1.08	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1079	7.600	30.00	0.0	0.0	0.0	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1080	7.500	30.00	0.0	0.0	0.0	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1081	7.400	30.00	0.0	0.0	0.0	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1082	7.300	30.00	0.0	0.0	0.0	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1083	7.200	30.00	0.0	0.0	0.0	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1084	7.100	30.00	0.0	0.0	0.0	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1085	7.000	30.00	0.0	0.0	0.0	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1086	6.900	30.00	0.0	0.0	0.0	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1087	6.800	30.00	0.0	0.0	0.0	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1088	6.700	30.00	0.0	0.0	0.0	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1089	6.600	30.00	0.0	0.0	0.0	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1090	6.500	30.00	0.0	0.0	0.0	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1091	6.400	30.00	0.0	0.0	0.0	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1092	6.300	30.00	0.0	0.0	0.0	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1093	6.200	30.00	0.0	0.0	0.0	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1094	6.100	30.00	0.0	0.0	0.0	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1095	6.000	30.00	0.0	0.0	0.0	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00

1096	5.900	30.00	0.0	0.0	0.0	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1097	5.800	30.00	0.0	0.0	0.0	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1098	5.700	30.00	0.0	0.0	0.0	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1099	5.600	30.00	0.0	0.0	0.0	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.0	0.0	0.	0.00
1100	5.500	30.00	0.0	0.0	0.0	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1101	5.400	30.00	0.0	0.0	0.0	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1102	5.300	30.00	0.0	0.0	0.0	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1103	5.200	30.00	0.0	0.0	0.0	5.43	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1104	5.100	30.00	0.0	0.0	0.0	5.42	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1105	5.000	30.00	0.0	0.0	0.0	5.42	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.0	0.0	0.	0.00
1106	4.900	30.00	0.0	0.0	0.0	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1107	4.800	30.00	0.0	0.0	0.0	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1108	4.700	30.00	0.0	0.0	0.0	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1109	4.600	30.00	0.0	0.0	0.0	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1110	4.500	30.00	0.0	0.0	0.0	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1111	4.400	30.00	0.0	0.0	0.0	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1112	4.300	30.00	0.0	0.0	0.0	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1113	4.200	30.00	0.0	0.0	0.0	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1114	4.100	30.00	0.0	0.0	0.0	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1115	4.000	30.00	0.0	0.0	0.0	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1116	3.900	30.00	0.0	0.0	0.0	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1117	3.800	30.00	0.0	0.0	0.0	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1118	3.700	30.00	0.0	0.0	0.0	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1119	3.600	30.00	0.0	0.0	0.0	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1120	3.500	30.00	0.0	0.0	0.0	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1121	3.400	30.00	0.0	0.0	0.0	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1122	3.300	30.00	0.0	0.0	0.0	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1123	3.200	30.00	0.0	0.0	0.0	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1124	3.100	30.00	0.0	0.0	0.0	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1125	3.000	30.00	0.0	0.0	0.0	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1126	2.900	30.00	0.0	0.0	0.0	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1127	2.800	30.00	0.0	0.0	0.0	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1128	2.700	30.00	0.0	0.0	0.0	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1129	2.600	30.00	0.0	0.0	0.0	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1130	2.500	30.00	0.0	0.0	0.0	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1131	2.400	30.00	0.0	0.0	0.0	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1132	2.300	30.00	0.0	0.0	0.0	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1133	2.200	30.00	0.0	0.0	0.0	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1134	2.100	30.00	0.0	0.0	0.0	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1135	2.000	30.00	0.0	0.0	0.0	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.84	0.00	0.0	0.0	0.	0.00
1136	1.900	30.00	0.0	0.0	0.0	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1137	1.800	30.00	0.0	0.0	0.0	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1138	1.700	30.00	0.0	0.0	0.0	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1139	1.600	30.00	0.0	0.0	0.0	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1140	1.500	30.00	0.0	0.0	0.0	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1141	1.400	30.00	0.0	0.0	0.0	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1142	1.300	30.00	0.0	0.0	0.0	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1143	1.200	30.00	0.0	0.0	0.0	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1144	1.100	30.00	0.0	0.0	0.0	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1145	1.000	30.00	0.0	0.0	0.0	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00

1146	0.900	30.00	0.0	0.0	0.0	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1147	0.800	30.00	0.0	0.0	0.0	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1148	0.700	30.00	0.0	0.0	0.0	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1149	0.600	30.00	0.0	0.0	0.0	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1150	0.500	30.00	0.0	0.0	0.0	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1151	0.400	30.00	0.0	0.0	0.0	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1152	0.300	30.00	0.0	0.0	0.0	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1153	0.200	30.00	0.0	0.0	0.0	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1154	0.100	30.00	0.0	0.0	0.0	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00
1155	0.000	30.00	0.0	0.0	0.0	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Poydras #1
WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	CM-I *	CM-II *	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
126	10.200	30.00	0.0	0.0	0.0	5.02	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
127	10.100	30.00	0.0	0.0	0.0	5.04	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
128	10.000	30.00	0.0	0.0	0.0	5.06	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
129	9.900	30.00	0.0	0.0	0.0	5.08	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
130	9.800	30.00	0.0	0.0	0.0	5.10	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
131	9.700	30.00	0.0	0.0	0.0	5.12	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
132	9.600	30.00	0.0	0.0	0.0	5.14	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
133	9.500	30.00	0.0	0.0	0.0	5.16	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
134	9.400	30.00	0.0	0.0	0.0	5.18	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
135	9.300	30.00	0.0	0.0	0.0	5.20	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
136	9.200	30.00	0.0	0.0	0.0	5.22	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.0	0.0	0.	0.00
137	9.100	30.00	0.0	0.0	0.0	5.24	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
138	9.000	30.00	0.0	0.0	0.0	5.25	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
139	8.900	30.00	0.0	0.0	0.0	5.27	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
140	8.800	30.00	0.0	0.0	0.0	5.29	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
141	8.700	30.00	0.0	0.0	0.0	5.31	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
142	8.600	30.00	0.0	0.0	0.0	5.33	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
143	8.500	30.00	0.0	0.0	0.0	5.34	5.21	0.00	5.21	0.00	1.45	1.42	1.91	4.79	0.00	0.0	0.0	0.	0.00
144	8.400	30.00	0.0	0.0	0.0	5.36	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
145	8.300	30.00	0.0	0.0	0.0	5.38	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
146	8.200	30.00	0.0	0.0	0.0	5.39	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
147	8.100	30.00	0.0	0.0	0.0	5.41	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
148	8.000	30.00	0.0	0.0	0.0	5.43	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
149	7.900	30.00	0.0	0.0	0.0	5.44	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
150	7.800	30.00	0.0	0.0	0.0	5.46	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
151	7.700	30.00	0.0	0.0	0.0	5.47	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
152	7.600	30.00	0.0	0.0	0.0	5.49	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
153	7.500	30.00	0.0	0.0	0.0	5.50	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
154	7.400	30.00	0.0	0.0	0.0	5.52	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.0	0.0	0.	0.00
155	7.300	30.00	0.0	0.0	0.0	5.53	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.0	0.0	0.	0.00
156	7.200	30.00	0.0	0.0	0.0	5.55	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.0	0.0	0.	0.00
157	7.100	30.00	0.0	0.0	0.0	5.56	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.0	0.0	0.	0.00

158	7.000	30.00	0.0	0.0	0.0	5.58	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.0	0.0	0.	0.00
159	6.900	30.00	0.0	0.0	0.0	5.59	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.0	0.0	0.	0.00
160	6.800	30.00	0.0	0.0	0.0	5.60	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
161	6.700	30.00	0.0	0.0	0.0	5.62	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
162	6.600	30.00	0.0	0.0	0.0	5.63	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
163	6.500	30.00	0.0	0.0	0.0	5.65	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
164	6.400	30.00	0.0	0.0	0.0	5.66	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
165	6.300	30.00	0.0	0.0	0.0	5.67	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
166	6.200	30.00	0.0	0.0	0.0	5.68	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
167	6.100	30.00	0.0	0.0	0.0	5.70	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
168	6.000	30.00	0.0	0.0	0.0	5.71	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
169	5.900	30.00	0.0	0.0	0.0	5.72	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
170	5.800	30.00	0.0	0.0	0.0	5.74	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
171	5.700	30.00	0.0	0.0	0.0	5.75	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
172	5.600	30.00	0.0	0.0	0.0	5.76	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.0	0.0	0.	0.00
173	5.500	30.00	0.0	0.0	0.0	5.77	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.0	0.0	0.	0.00
174	5.400	30.00	0.0	0.0	0.0	5.78	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.0	0.0	0.	0.00
175	5.300	30.00	0.0	0.0	0.0	5.79	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.0	0.0	0.	0.00
176	5.200	30.00	0.0	0.0	0.0	5.81	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.0	0.0	0.	0.00
177	5.100	30.00	0.0	0.0	0.0	5.82	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
178	5.000	30.00	0.0	0.0	0.0	5.83	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
179	4.900	30.00	0.0	0.0	0.0	5.84	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
180	4.800	30.00	0.0	0.0	0.0	5.85	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
181	4.700	30.00	0.0	0.0	0.0	5.86	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
182	4.600	30.00	0.0	0.0	0.0	5.87	5.19	0.00	5.19	0.00	1.45	1.40	1.94	4.79	0.00	0.0	0.0	0.	0.00
183	4.500	30.00	0.0	0.0	0.0	5.88	5.21	0.00	5.21	0.00	1.45	1.39	1.94	4.78	0.00	0.0	0.0	0.	0.00
184	4.400	30.00	0.0	0.0	0.0	5.89	5.23	0.00	5.23	0.00	1.45	1.39	1.93	4.77	0.00	0.0	0.0	0.	0.00
185	4.300	30.00	0.0	0.0	0.0	5.90	5.25	0.00	5.25	0.00	1.44	1.38	1.93	4.76	0.00	0.0	0.0	0.	0.00
186	4.200	30.00	0.0	0.0	0.0	5.91	5.29	0.00	5.29	0.00	1.44	1.37	1.93	4.75	0.00	0.0	0.0	0.	0.00
187	4.100	30.00	0.0	0.0	0.0	5.92	5.32	0.00	5.32	0.00	1.44	1.37	1.93	4.74	0.00	0.0	0.0	0.	0.00
188	4.000	30.00	0.0	0.0	0.0	5.93	5.34	0.00	5.34	0.00	1.44	1.36	1.92	4.73	0.00	0.0	0.0	0.	0.00
189	3.900	30.00	0.0	0.0	0.0	5.93	5.35	0.00	5.35	0.00	1.44	1.36	1.92	4.72	0.00	0.0	0.0	0.	0.00
190	3.800	30.00	0.0	0.0	0.0	5.94	5.37	0.00	5.37	0.00	1.44	1.35	1.92	4.71	0.00	0.0	0.0	0.	0.00
191	3.700	30.00	0.0	0.0	0.0	5.95	5.39	0.00	5.39	0.00	1.43	1.34	1.92	4.69	0.00	0.0	0.0	0.	0.00
192	3.600	30.00	0.0	0.0	0.0	5.96	5.40	0.00	5.40	0.00	1.43	1.34	1.91	4.68	0.00	0.0	0.0	0.	0.00
193	3.500	30.00	0.0	0.0	0.0	5.97	5.42	0.00	5.42	0.00	1.43	1.33	1.91	4.67	0.00	0.0	0.0	0.	0.00
194	3.400	30.00	0.0	0.0	0.0	5.97	5.43	0.00	5.43	0.00	1.43	1.33	1.91	4.67	0.00	0.0	0.0	0.	0.00
195	3.300	30.00	0.0	0.0	0.0	5.98	5.45	0.00	5.45	0.00	1.43	1.32	1.91	4.66	0.00	0.0	0.0	0.	0.00
196	3.200	30.00	0.0	0.0	0.0	5.99	5.47	0.00	5.47	0.00	1.43	1.32	1.90	4.65	0.00	0.0	0.0	0.	0.00
197	3.100	30.00	0.0	0.0	0.0	6.00	5.48	0.00	5.48	0.00	1.42	1.31	1.90	4.64	0.00	0.0	0.0	0.	0.00
198	3.000	30.00	0.0	0.0	0.0	6.00	5.50	0.00	5.50	0.00	1.42	1.30	1.90	4.63	0.00	0.0	0.0	0.	0.00
199	2.900	30.00	0.0	0.0	0.0	6.01	5.51	0.00	5.51	0.00	1.42	1.30	1.90	4.62	0.00	0.0	0.0	0.	0.00
200	2.800	30.00	0.0	0.0	0.0	6.02	5.53	0.00	5.53	0.00	1.42	1.29	1.89	4.61	0.00	0.0	0.0	0.	0.00
201	2.700	30.00	0.0	0.0	0.0	6.02	5.54	0.00	5.54	0.00	1.42	1.29	1.89	4.60	0.00	0.0	0.0	0.	0.00
202	2.600	30.00	0.0	0.0	0.0	6.03	5.56	0.00	5.56	0.00	1.42	1.28	1.89	4.59	0.00	0.0	0.0	0.	0.00
203	2.500	30.00	0.0	0.0	0.0	6.04	5.57	0.00	5.57	0.00	1.41	1.28	1.89	4.58	0.00	0.0	0.0	0.	0.00
204	2.400	30.00	0.0	0.0	0.0	6.04	5.59	0.00	5.59	0.00	1.41	1.27	1.89	4.57	0.00	0.0	0.0	0.	0.00
205	2.300	30.00	0.0	0.0	0.0	6.05	5.60	0.00	5.60	0.00	1.41	1.27	1.88	4.56	0.00	0.0	0.0	0.	0.00
206	2.200	30.00	0.0	0.0	0.0	6.06	5.62	0.00	5.62	0.00	1.41	1.26	1.88	4.55	0.00	0.0	0.0	0.	0.00
207	2.100	30.00	0.0	0.0	0.0	6.06	5.63	0.00	5.63	0.00	1.41	1.25	1.88	4.54	0.00	0.0	0.0	0.	0.00

208	2.000	30.00	0.0	0.0	0.0	6.07	5.65	0.00	5.65	0.00	1.41	1.25	1.88	4.53	0.00	0.0	0.0	0.	0.00
209	1.900	30.00	0.0	0.0	0.0	6.08	5.66	0.00	5.66	0.00	1.41	1.24	1.87	4.52	0.00	0.0	0.0	0.	0.00
210	1.800	30.00	0.0	0.0	0.0	6.08	5.68	0.00	5.68	0.00	1.40	1.24	1.87	4.51	0.00	0.0	0.0	0.	0.00
211	1.700	30.00	0.0	0.0	0.0	6.09	5.69	0.00	5.69	0.00	1.40	1.23	1.87	4.51	0.00	0.0	0.0	0.	0.00
212	1.600	30.00	0.0	0.0	0.0	6.09	5.71	0.00	5.71	0.00	1.40	1.23	1.87	4.50	0.00	0.0	0.0	0.	0.00
213	1.500	30.00	0.0	0.0	0.0	6.10	5.72	0.00	5.72	0.00	1.40	1.22	1.86	4.49	0.00	0.0	0.0	0.	0.00
214	1.400	30.00	0.0	0.0	0.0	6.11	5.73	0.00	5.73	0.00	1.40	1.22	1.86	4.48	0.00	0.0	0.0	0.	0.00
215	1.300	30.00	0.0	0.0	0.0	6.11	5.75	0.00	5.75	0.00	1.40	1.21	1.86	4.47	0.00	0.0	0.0	0.	0.00
216	1.200	30.00	0.0	0.0	0.0	6.12	5.76	0.00	5.76	0.00	1.40	1.21	1.86	4.46	0.00	0.0	0.0	0.	0.00
217	1.100	30.00	0.0	0.0	0.0	6.12	5.78	0.00	5.78	0.00	1.39	1.20	1.86	4.45	0.00	0.0	0.0	0.	0.00
218	1.000	30.00	0.0	0.0	0.0	6.13	5.79	0.00	5.79	0.00	1.39	1.20	1.85	4.44	0.00	0.0	0.0	0.	0.00
219	0.900	30.00	0.0	0.0	0.0	6.13	5.80	0.00	5.80	0.00	1.39	1.19	1.85	4.43	0.00	0.0	0.0	0.	0.00
220	0.800	30.00	0.0	0.0	0.0	6.14	5.82	0.00	5.82	0.00	1.39	1.19	1.85	4.43	0.00	0.0	0.0	0.	0.00
221	0.700	30.00	0.0	0.0	0.0	6.14	5.83	0.00	5.83	0.00	1.39	1.18	1.85	4.42	0.00	0.0	0.0	0.	0.00
222	0.600	30.00	0.0	0.0	0.0	6.15	5.84	0.00	5.84	0.00	1.39	1.18	1.84	4.41	0.00	0.0	0.0	0.	0.00
223	0.500	30.00	0.0	0.0	0.0	6.15	5.86	0.00	5.86	0.00	1.39	1.17	1.84	4.40	0.00	0.0	0.0	0.	0.00
224	0.400	30.00	0.0	0.0	0.0	6.16	5.87	0.00	5.87	0.00	1.38	1.17	1.84	4.39	0.00	0.0	0.0	0.	0.00
225	0.300	30.00	0.0	0.0	0.0	6.16	5.88	0.00	5.88	0.00	1.38	1.16	1.84	4.38	0.00	0.0	0.0	0.	0.00
226	0.200	30.00	0.0	0.0	0.0	6.17	5.90	0.00	5.90	0.00	1.38	1.16	1.83	4.38	0.00	0.0	0.0	0.	0.00
227	0.100	30.00	0.0	0.0	0.0	6.17	5.91	0.00	5.91	0.00	1.38	1.16	1.83	4.37	0.00	0.0	0.0	0.	0.00
228	0.000	30.00	0.0	0.0	0.0	6.18	5.92	0.00	5.92	0.00	1.38	1.15	1.83	4.36	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Chamberlin Canal #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
272	7.400	30.00	0.0	0.0	0.0	5.39	2.73	0.00	2.73	0.00	0.36	0.08	0.08	0.52	0.00	0.0	0.0	0.	0.00
273	7.300	30.00	0.0	0.0	0.0	5.27	2.83	0.00	2.83	0.00	0.38	0.06	0.09	0.53	0.00	0.0	0.0	0.	0.00
274	7.200	30.00	0.0	0.0	0.0	5.25	2.91	0.00	2.91	0.00	0.40	0.05	0.10	0.55	0.00	0.0	0.0	0.	0.00
275	7.100	30.00	0.0	0.0	0.0	5.31	2.97	0.00	2.97	0.00	0.41	0.05	0.10	0.56	0.00	0.0	0.0	0.	0.00
276	7.000	30.00	0.0	0.0	0.0	5.37	3.03	0.00	3.03	0.00	0.43	0.04	0.10	0.57	0.00	0.0	0.0	0.	0.00
277	6.900	30.00	0.0	0.0	0.0	5.43	3.07	0.00	3.07	0.00	0.44	0.03	0.10	0.58	0.00	0.0	0.0	0.	0.00
278	6.800	30.00	0.0	0.0	0.0	5.49	3.11	0.00	3.11	0.00	0.45	0.03	0.10	0.59	0.00	0.0	0.0	0.	0.00
279	6.700	30.00	0.0	0.0	0.0	5.55	3.14	0.00	3.14	0.00	0.46	0.03	0.10	0.59	0.00	0.0	0.0	0.	0.00
280	6.600	30.00	0.0	0.0	0.0	5.60	3.17	0.00	3.17	0.00	0.47	0.02	0.10	0.60	0.00	0.0	0.0	0.	0.00
281	6.500	30.00	0.0	0.0	0.0	5.64	3.19	0.00	3.19	0.00	0.48	0.02	0.10	0.60	0.00	0.0	0.0	0.	0.00
282	6.400	30.00	0.0	0.0	0.0	5.69	3.21	0.00	3.21	0.00	0.49	0.02	0.10	0.61	0.00	0.0	0.0	0.	0.00
283	6.300	30.00	0.0	0.0	0.0	5.73	3.23	0.00	3.23	0.00	0.49	0.02	0.10	0.61	0.00	0.0	0.0	0.	0.00
284	6.200	30.00	0.0	0.0	0.0	5.77	3.24	0.00	3.24	0.00	0.50	0.02	0.10	0.62	0.00	0.0	0.0	0.	0.00
285	6.100	30.00	0.0	0.0	0.0	5.80	3.26	0.00	3.26	0.00	0.50	0.02	0.10	0.62	0.00	0.0	0.0	0.	0.00
286	6.000	30.00	0.0	0.0	0.0	5.84	3.27	0.00	3.27	0.00	0.51	0.02	0.10	0.63	0.00	0.0	0.0	0.	0.00
287	5.900	30.00	0.0	0.0	0.0	5.87	3.28	0.00	3.28	0.00	0.51	0.02	0.10	0.63	0.00	0.0	0.0	0.	0.00
288	5.800	30.00	0.0	0.0	0.0	5.90	3.29	0.00	3.29	0.00	0.52	0.02	0.10	0.63	0.00	0.0	0.0	0.	0.00
289	5.700	30.00	0.0	0.0	0.0	5.92	3.30	0.00	3.30	0.00	0.52	0.01	0.10	0.64	0.00	0.0	0.0	0.	0.00
290	5.600	30.00	0.0	0.0	0.0	5.92	3.31	0.00	3.31	0.00	0.53	0.01	0.10	0.64	0.00	0.0	0.0	0.	0.00
291	5.500	30.00	0.0	0.0	0.0	5.92	3.31	0.00	3.31	0.00	0.53	0.01	0.10	0.64	0.00	0.0	0.0	0.	0.00
292	5.400	30.00	0.0	0.0	0.0	5.92	3.32	0.00	3.32	0.00	0.53	0.01	0.10	0.64	0.00	0.0	0.0	0.	0.00

293	5.300	30.00	0.0	0.0	0.0	5.92	3.33	0.00	3.33	0.00	0.54	0.01	0.10	0.65	0.00	0.0	0.0	0.	0.00
294	5.200	30.00	0.0	0.0	0.0	5.92	3.33	0.00	3.33	0.00	0.54	0.01	0.10	0.65	0.00	0.0	0.0	0.	0.00
295	5.100	30.00	0.0	0.0	0.0	5.92	3.34	0.00	3.34	0.00	0.54	0.01	0.10	0.65	0.00	0.0	0.0	0.	0.00
296	5.000	30.00	0.0	0.0	0.0	5.92	3.34	0.00	3.34	0.00	0.55	0.01	0.09	0.65	0.00	0.0	0.0	0.	0.00
297	4.900	30.00	0.0	0.0	0.0	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.65	0.00	0.0	0.0	0.	0.00
298	4.800	30.00	0.0	0.0	0.0	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
299	4.700	30.00	0.0	0.0	0.0	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
300	4.600	30.00	0.0	0.0	0.0	5.92	3.36	0.00	3.36	0.00	0.55	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
301	4.500	30.00	0.0	0.0	0.0	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
302	4.400	30.00	0.0	0.0	0.0	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
303	4.300	30.00	0.0	0.0	0.0	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
304	4.200	30.00	0.0	0.0	0.0	5.92	3.37	0.00	3.37	0.00	0.56	0.01	0.09	0.66	0.00	0.0	0.0	0.	0.00
305	4.100	30.00	0.0	0.0	0.0	5.29	6.28	0.00	6.28	0.00	1.28	0.66	0.40	2.34	0.00	1.6	0.0	0.	0.00
306	4.000	30.00	0.0	0.0	0.0	5.06	5.83	0.00	5.83	0.00	1.26	0.56	0.48	2.29	0.00	3.1	0.0	0.	0.00
307	3.900	30.00	0.0	0.0	0.0	5.02	5.43	0.00	5.43	0.00	1.24	0.47	0.53	2.25	0.00	4.7	0.0	0.	0.00
308	3.800	30.00	0.0	0.0	0.0	5.06	5.08	0.00	5.08	0.00	1.22	0.40	0.57	2.20	0.00	6.3	0.0	0.	0.00
309	3.700	30.00	0.0	0.0	0.0	5.13	4.77	0.00	4.77	0.00	1.20	0.35	0.60	2.15	0.00	7.9	0.0	0.	0.00
310	3.600	30.00	0.0	0.0	0.0	5.22	4.49	0.00	4.49	0.00	1.18	0.30	0.62	2.10	0.00	9.4	0.0	0.	0.00
311	3.500	30.00	0.0	0.0	0.0	5.30	4.25	0.00	4.25	0.00	1.16	0.26	0.63	2.05	0.00	11.0	0.0	0.	0.00
312	3.400	30.00	0.0	0.0	0.0	5.38	4.03	0.00	4.03	0.00	1.15	0.23	0.63	2.00	0.00	12.6	0.0	0.	0.00
313	3.300	30.00	0.0	0.0	0.0	5.45	3.83	0.00	3.83	0.00	1.13	0.20	0.62	1.96	0.00	14.1	0.0	0.	0.00
314	3.200	30.00	0.0	0.0	0.0	5.52	3.66	0.00	3.66	0.00	1.12	0.18	0.62	1.91	0.00	15.7	0.0	0.	0.00
315	3.100	30.00	0.0	0.0	0.0	5.59	3.50	0.00	3.50	0.00	1.10	0.16	0.60	1.86	0.00	17.3	0.0	0.	0.00
316	3.000	30.00	0.0	0.0	0.0	5.66	3.36	0.00	3.36	0.00	1.09	0.14	0.58	1.81	0.00	18.9	0.0	0.	0.00
317	2.900	30.00	0.0	0.0	0.0	5.72	3.24	0.00	3.24	0.00	1.08	0.12	0.56	1.77	0.00	20.4	0.0	0.	0.00
318	2.800	30.00	0.0	0.0	0.0	5.78	3.12	0.00	3.12	0.00	1.07	0.11	0.54	1.72	0.00	22.0	0.0	0.	0.00
319	2.700	30.00	0.0	0.0	0.0	5.84	3.02	0.00	3.02	0.00	1.05	0.10	0.52	1.67	0.00	23.6	0.0	0.	0.00
320	2.600	30.00	0.0	0.0	0.0	5.90	2.92	0.00	2.92	0.00	1.04	0.09	0.49	1.62	0.00	25.1	0.0	0.	0.00
321	2.500	30.00	0.0	0.0	0.0	5.95	2.84	0.00	2.84	0.00	1.03	0.08	0.46	1.58	0.00	26.7	0.0	0.	0.00
322	2.400	30.00	0.0	0.0	0.0	6.01	2.76	0.00	2.76	0.00	1.02	0.08	0.43	1.53	0.00	28.3	0.0	0.	0.00
323	2.300	30.00	0.0	0.0	0.0	6.06	2.69	0.00	2.69	0.00	1.01	0.07	0.40	1.48	0.00	29.9	0.0	0.	0.00
324	2.200	30.00	0.0	0.0	0.0	6.11	2.62	0.00	2.62	0.00	1.00	0.06	0.37	1.44	0.00	31.4	0.0	0.	0.00
325	2.100	30.00	0.0	0.0	0.0	6.16	2.56	0.00	2.56	0.00	0.99	0.06	0.34	1.39	0.00	33.0	0.0	0.	0.00
326	2.000	30.00	0.0	0.0	0.0	6.21	2.51	0.00	2.51	0.00	0.98	0.06	0.30	1.34	0.00	34.6	0.0	0.	0.00
327	1.900	30.00	0.0	0.0	0.0	6.26	2.46	0.00	2.46	0.00	0.98	0.05	0.27	1.30	0.00	36.1	0.0	0.	0.00
328	1.800	30.00	0.0	0.0	0.0	6.31	2.41	0.00	2.41	0.00	0.97	0.05	0.23	1.25	0.00	37.7	0.0	0.	0.00
329	1.700	30.00	0.0	0.0	0.0	6.35	2.37	0.00	2.37	0.00	0.96	0.05	0.20	1.20	0.00	39.3	0.0	0.	0.00
330	1.600	30.00	0.0	0.0	0.0	6.40	2.33	0.00	2.33	0.00	0.95	0.04	0.16	1.16	0.00	40.9	0.0	0.	0.00
331	1.500	30.00	0.0	0.0	0.0	6.45	2.30	0.00	2.30	0.00	0.94	0.04	0.12	1.11	0.00	42.4	0.0	0.	0.00
332	1.400	30.00	0.0	0.0	0.0	6.49	2.26	0.00	2.26	0.00	0.94	0.04	0.08	1.06	0.00	44.0	0.0	0.	0.00
333	1.300	30.00	0.0	0.0	0.0	6.54	2.23	0.00	2.23	0.00	0.93	0.04	0.05	1.02	0.00	45.6	0.0	0.	0.00
334	1.200	30.00	0.0	0.0	0.0	6.59	2.20	0.00	2.20	0.00	0.92	0.04	0.01	0.97	0.00	47.1	0.0	0.	0.00
335	1.100	30.00	0.0	0.0	0.0	6.63	2.18	0.00	2.18	0.00	0.92	0.04	0.00	0.95	0.00	48.7	0.0	0.	0.00
336	1.000	30.00	0.0	0.0	0.0	6.68	2.15	0.00	2.15	0.00	0.91	0.03	0.00	0.95	0.00	50.3	0.0	0.	0.00
337	0.900	30.00	0.0	0.0	0.0	6.72	2.13	0.00	2.13	0.00	0.91	0.03	0.00	0.94	0.00	51.9	0.0	0.	0.00
338	0.800	30.00	0.0	0.0	0.0	6.77	2.11	0.00	2.11	0.00	0.90	0.03	0.00	0.93	0.00	53.4	0.0	0.	0.00
339	0.700	30.00	0.0	0.0	0.0	6.81	2.09	0.00	2.09	0.00	0.89	0.03	0.00	0.93	0.00	55.0	0.0	0.	0.00
340	0.600	30.00	0.0	0.0	0.0	6.85	2.07	0.00	2.07	0.00	0.89	0.03	0.00	0.92	0.00	56.6	0.0	0.	0.00
341	0.500	30.00	0.0	0.0	0.0	6.90	2.05	0.00	2.05	0.00	0.88	0.03	0.00	0.91	0.00	58.1	0.0	0.	0.00
342	0.400	30.00	0.0	0.0	0.0	6.94	2.04	0.00	2.04	0.00	0.88	0.03	0.00	0.91	0.00	59.7	0.0	0.	0.00

343	0.300	30.00	0.0	0.0	0.0	6.99	2.02	0.00	2.02	0.00	0.87	0.03	0.00	0.90	0.00	61.3	0.0	0.	0.00
344	0.200	30.00	0.0	0.0	0.0	7.03	2.01	0.00	2.01	0.00	0.87	0.03	0.00	0.90	0.00	62.9	0.0	0.	0.00
345	0.100	30.00	0.0	0.0	0.0	7.07	2.00	0.00	2.00	0.00	0.86	0.03	0.00	0.89	0.00	64.4	0.0	0.	0.00
346	0.000	30.00	0.0	0.0	0.0	7.12	1.98	0.00	1.98	0.00	0.86	0.03	0.00	0.89	0.00	66.0	0.0	0.	0.00

SPECIAL REPORT: Intracoastal Waterwa
WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	CM-I *	CM-II *	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N µg/L	TOTN **	PHOS	CHL A	MACRO	COLI #/100mL	NCM *
420	13.300	30.00	0.0	0.0	0.0	7.38	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
421	13.200	30.00	0.0	0.0	0.0	7.37	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
422	13.100	30.00	0.0	0.0	0.0	7.35	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
423	13.000	30.00	0.0	0.0	0.0	7.34	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
424	12.900	30.00	0.0	0.0	0.0	7.33	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
425	12.800	30.00	0.0	0.0	0.0	7.31	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
426	12.700	30.00	0.0	0.0	0.0	7.30	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
427	12.600	30.00	0.0	0.0	0.0	7.28	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.0	0.0	0.	0.00
428	12.500	30.00	0.0	0.0	0.0	7.27	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.01	0.00	0.0	0.0	0.	0.00
429	12.400	30.00	0.0	0.0	0.0	7.26	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
430	12.300	30.00	0.0	0.0	0.0	7.24	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
431	12.200	30.00	0.0	0.0	0.0	7.23	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
432	12.100	30.00	0.0	0.0	0.0	7.22	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
433	12.000	30.00	0.0	0.0	0.0	7.20	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
434	11.900	30.00	0.0	0.0	0.0	7.19	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
435	11.800	30.00	0.0	0.0	0.0	7.18	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
436	11.700	30.00	0.0	0.0	0.0	7.16	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
437	11.600	30.00	0.0	0.0	0.0	7.15	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
438	11.500	30.00	0.0	0.0	0.0	7.14	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
439	11.400	30.00	0.0	0.0	0.0	7.13	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
440	11.300	30.00	0.0	0.0	0.0	7.11	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
441	11.200	30.00	0.0	0.0	0.0	7.10	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
442	11.100	30.00	0.0	0.0	0.0	7.09	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
443	11.000	30.00	0.0	0.0	0.0	7.08	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
444	10.900	30.00	0.0	0.0	0.0	7.07	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
445	10.800	30.00	0.0	0.0	0.0	7.06	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
446	10.700	30.00	0.0	0.0	0.0	7.04	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
447	10.600	30.00	0.0	0.0	0.0	7.03	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
448	10.500	30.00	0.0	0.0	0.0	7.02	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
449	10.400	30.00	0.0	0.0	0.0	7.01	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.0	0.0	0.	0.00
450	10.300	30.00	0.0	0.0	0.0	7.00	0.52	0.00	0.52	0.00	0.28	0.02	1.71	2.02	0.00	0.0	0.0	0.	0.00
451	10.200	30.00	0.0	0.0	0.0	6.99	0.51	0.00	0.51	0.00	0.29	0.02	1.71	2.02	0.00	0.0	0.0	0.	0.00
452	10.100	30.00	0.0	0.0	0.0	6.98	0.51	0.00	0.51	0.00	0.29	0.02	1.71	2.02	0.00	0.0	0.0	0.	0.00
453	10.000	30.00	0.0	0.0	0.0	6.97	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
454	9.900	30.00	0.0	0.0	0.0	6.96	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
455	9.800	30.00	0.0	0.0	0.0	6.95	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
456	9.700	30.00	0.0	0.0	0.0	6.94	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
457	9.600	30.00	0.0	0.0	0.0	6.93	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00

458	9.500	30.00	0.0	0.0	0.0	6.92	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
459	9.400	30.00	0.0	0.0	0.0	6.91	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
460	9.300	30.00	0.0	0.0	0.0	6.90	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
461	9.200	30.00	0.0	0.0	0.0	6.89	0.50	0.00	0.50	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
462	9.100	30.00	0.0	0.0	0.0	6.88	0.50	0.00	0.50	0.00	0.29	0.02	1.72	2.03	0.00	0.0	0.0	0.	0.00
463	9.000	30.00	0.0	0.0	0.0	6.87	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.0	0.0	0.	0.00
464	8.900	30.00	0.0	0.0	0.0	6.86	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.0	0.0	0.	0.00
465	8.800	30.00	0.0	0.0	0.0	6.85	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.0	0.0	0.	0.00
466	8.700	30.00	0.0	0.0	0.0	6.84	0.51	0.00	0.51	0.00	0.29	0.03	1.73	2.05	0.00	0.0	0.0	0.	0.00
467	8.600	30.00	0.0	0.0	0.0	6.83	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
468	8.500	30.00	0.0	0.0	0.0	6.82	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
469	8.400	30.00	0.0	0.0	0.0	6.81	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
470	8.300	30.00	0.0	0.0	0.0	6.80	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
471	8.200	30.00	0.0	0.0	0.0	6.79	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
472	8.100	30.00	0.0	0.0	0.0	6.78	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
473	8.000	30.00	0.0	0.0	0.0	6.77	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
474	7.900	30.00	0.0	0.0	0.0	6.77	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.0	0.0	0.	0.00
475	7.800	30.00	0.0	0.0	0.0	6.76	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
476	7.700	30.00	0.0	0.0	0.0	6.75	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
477	7.600	30.00	0.0	0.0	0.0	6.74	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
478	7.500	30.00	0.0	0.0	0.0	6.73	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
479	7.400	30.00	0.0	0.0	0.0	6.72	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
480	7.300	30.00	0.0	0.0	0.0	6.72	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
481	7.200	30.00	0.0	0.0	0.0	6.71	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
482	7.100	30.00	0.0	0.0	0.0	6.70	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
483	7.000	30.00	0.0	0.0	0.0	6.69	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
484	6.900	30.00	0.0	0.0	0.0	6.68	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
485	6.800	30.00	0.0	0.0	0.0	6.68	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
486	6.700	30.00	0.0	0.0	0.0	6.67	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
487	6.600	30.00	0.0	0.0	0.0	6.66	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
488	6.500	30.00	0.0	0.0	0.0	6.65	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
489	6.400	30.00	0.0	0.0	0.0	6.65	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
490	6.300	30.00	0.0	0.0	0.0	6.64	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
491	6.200	30.00	0.0	0.0	0.0	6.63	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.0	0.0	0.	0.00
492	6.100	30.00	0.0	0.0	0.0	6.63	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.0	0.0	0.	0.00
493	6.000	30.00	0.0	0.0	0.0	6.62	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.0	0.0	0.	0.00
494	5.900	30.00	0.0	0.0	0.0	6.61	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.0	0.0	0.	0.00
495	5.800	30.00	0.0	0.0	0.0	6.61	0.49	0.00	0.49	0.00	0.29	0.02	1.75	2.06	0.00	0.0	0.0	0.	0.00
496	5.700	30.00	0.0	0.0	0.0	6.60	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.0	0.0	0.	0.00
497	5.600	30.00	0.0	0.0	0.0	6.59	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.0	0.0	0.	0.00
498	5.500	30.00	0.0	0.0	0.0	6.59	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.0	0.0	0.	0.00
499	5.400	30.00	0.0	0.0	0.0	6.58	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.0	0.0	0.	0.00
500	5.300	30.00	0.0	0.0	0.0	6.57	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
501	5.200	30.00	0.0	0.0	0.0	6.57	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
502	5.100	30.00	0.0	0.0	0.0	6.56	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
503	5.000	30.00	0.0	0.0	0.0	6.56	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
504	4.900	30.00	0.0	0.0	0.0	6.55	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
505	4.800	30.00	0.0	0.0	0.0	6.54	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
506	4.700	30.00	0.0	0.0	0.0	6.54	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
507	4.600	30.00	0.0	0.0	0.0	6.53	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00

508	4.500	30.00	0.0	0.0	0.0	6.53	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
509	4.400	30.00	0.0	0.0	0.0	6.52	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
510	4.300	30.00	0.0	0.0	0.0	6.51	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
511	4.200	30.00	0.0	0.0	0.0	6.51	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
512	4.100	30.00	0.0	0.0	0.0	6.50	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
513	4.000	30.00	0.0	0.0	0.0	6.50	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
514	3.900	30.00	0.0	0.0	0.0	6.49	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
515	3.800	30.00	0.0	0.0	0.0	6.49	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
516	3.700	30.00	0.0	0.0	0.0	6.48	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
517	3.600	30.00	0.0	0.0	0.0	6.48	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
518	3.500	30.00	0.0	0.0	0.0	6.47	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
519	3.400	30.00	0.0	0.0	0.0	6.47	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.0	0.0	0.	0.00
520	3.300	30.00	0.0	0.0	0.0	6.46	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.0	0.0	0.	0.00
521	3.200	30.00	0.0	0.0	0.0	6.46	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.0	0.0	0.	0.00
522	3.100	30.00	0.0	0.0	0.0	6.45	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.0	0.0	0.	0.00
523	3.000	30.00	0.0	0.0	0.0	6.45	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.0	0.0	0.	0.00
524	2.900	30.00	0.0	0.0	0.0	6.44	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.0	0.0	0.	0.00
525	2.800	30.00	0.0	0.0	0.0	6.44	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
526	2.700	30.00	0.0	0.0	0.0	6.43	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
527	2.600	30.00	0.0	0.0	0.0	6.43	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
528	2.500	30.00	0.0	0.0	0.0	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
529	2.400	30.00	0.0	0.0	0.0	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
530	2.300	30.00	0.0	0.0	0.0	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
531	2.200	30.00	0.0	0.0	0.0	6.41	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
532	2.100	30.00	0.0	0.0	0.0	6.41	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
533	2.000	30.00	0.0	0.0	0.0	6.40	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
534	1.900	30.00	0.0	0.0	0.0	6.40	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
535	1.800	30.00	0.0	0.0	0.0	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
536	1.700	30.00	0.0	0.0	0.0	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
537	1.600	30.00	0.0	0.0	0.0	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
538	1.500	30.00	0.0	0.0	0.0	6.38	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
539	1.400	30.00	0.0	0.0	0.0	6.38	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
540	1.300	30.00	0.0	0.0	0.0	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
541	1.200	30.00	0.0	0.0	0.0	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
542	1.100	30.00	0.0	0.0	0.0	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
543	1.000	30.00	0.0	0.0	0.0	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
544	0.900	30.00	0.0	0.0	0.0	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
545	0.800	30.00	0.0	0.0	0.0	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
546	0.700	30.00	0.0	0.0	0.0	6.35	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
547	0.600	30.00	0.0	0.0	0.0	6.35	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
548	0.500	30.00	0.0	0.0	0.0	6.34	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
549	0.400	30.00	0.0	0.0	0.0	6.34	0.44	0.00	0.44	0.00	0.30	0.02	1.76	2.08	0.00	0.0	0.0	0.	0.00
550	0.300	30.00	0.0	0.0	0.0	6.33	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.0	0.0	0.	0.00
551	0.200	30.00	0.0	0.0	0.0	6.33	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.0	0.0	0.	0.00
552	0.100	30.00	0.0	0.0	0.0	6.32	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.0	0.0	0.	0.00
553	0.000	30.00	0.0	0.0	0.0	6.32	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Plaquemine
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
710	11.800	30.00	0.0	0.0	0.0	5.26	0.78	0.00	0.78	0.00	0.24	0.00	1.59	1.83	0.00	57.5	0.0	0.	0.00
711	11.700	30.00	0.0	0.0	0.0	5.52	0.82	0.00	0.82	0.00	0.24	0.00	1.58	1.82	0.00	57.0	0.0	0.	0.00
712	11.600	30.00	0.0	0.0	0.0	5.76	0.86	0.00	0.86	0.00	0.24	0.00	1.57	1.81	0.00	56.5	0.0	0.	0.00
713	11.500	30.00	0.0	0.0	0.0	5.99	0.90	0.00	0.90	0.00	0.24	0.00	1.56	1.80	0.00	56.1	0.0	0.	0.00
714	11.400	30.00	0.0	0.0	0.0	6.20	0.94	0.00	0.94	0.00	0.24	0.00	1.54	1.78	0.00	55.6	0.0	0.	0.00
715	11.300	30.00	0.0	0.0	0.0	6.41	0.98	0.00	0.98	0.00	0.24	0.00	1.53	1.77	0.00	55.1	0.0	0.	0.00
716	11.200	30.00	0.0	0.0	0.0	6.61	1.02	0.00	1.02	0.00	0.24	0.00	1.52	1.76	0.00	54.6	0.0	0.	0.00
717	11.100	30.00	0.0	0.0	0.0	6.80	1.06	0.00	1.06	0.00	0.24	0.00	1.51	1.75	0.00	54.1	0.0	0.	0.00
718	11.000	30.00	0.0	0.0	0.0	6.98	1.09	0.00	1.09	0.00	0.24	0.00	1.50	1.74	0.00	53.6	0.0	0.	0.00
719	10.900	30.00	0.0	0.0	0.0	7.15	1.13	0.00	1.13	0.00	0.24	0.00	1.49	1.73	0.00	53.1	0.0	0.	0.00
720	10.800	30.00	0.0	0.0	0.0	7.32	1.17	0.00	1.17	0.00	0.24	0.00	1.48	1.72	0.00	52.6	0.0	0.	0.00
721	10.700	30.00	0.0	0.0	0.0	7.47	1.21	0.00	1.21	0.00	0.24	0.00	1.47	1.71	0.00	52.2	0.0	0.	0.00
722	10.600	30.00	0.0	0.0	0.0	7.62	1.24	0.00	1.24	0.00	0.24	0.00	1.46	1.70	0.00	51.7	0.0	0.	0.00
723	10.500	30.00	0.0	0.0	0.0	7.76	1.28	0.00	1.28	0.00	0.24	0.00	1.45	1.69	0.00	51.2	0.0	0.	0.00
724	10.400	30.00	0.0	0.0	0.0	7.89	1.31	0.00	1.31	0.00	0.24	0.00	1.44	1.68	0.00	50.7	0.0	0.	0.00
725	10.300	30.00	0.0	0.0	0.0	8.02	1.35	0.00	1.35	0.00	0.24	0.00	1.43	1.67	0.00	50.2	0.0	0.	0.00
726	10.200	30.00	0.0	0.0	0.0	8.14	1.39	0.00	1.39	0.00	0.24	0.00	1.42	1.66	0.00	49.7	0.0	0.	0.00
727	10.100	30.00	0.0	0.0	0.0	8.25	1.42	0.00	1.42	0.00	0.23	0.00	1.41	1.65	0.00	49.2	0.0	0.	0.00
728	10.000	30.00	0.0	0.0	0.0	8.35	1.46	0.00	1.46	0.00	0.23	0.00	1.40	1.64	0.00	48.7	0.0	0.	0.00
729	9.900	30.00	0.0	0.0	0.0	8.45	1.49	0.00	1.49	0.00	0.23	0.00	1.39	1.63	0.00	48.3	0.0	0.	0.00
730	9.800	30.00	0.0	0.0	0.0	8.55	1.52	0.00	1.52	0.00	0.23	0.00	1.38	1.62	0.00	47.8	0.0	0.	0.00
731	9.700	30.00	0.0	0.0	0.0	8.64	1.56	0.00	1.56	0.00	0.23	0.00	1.38	1.61	0.00	47.3	0.0	0.	0.00
732	9.600	30.00	0.0	0.0	0.0	8.72	1.59	0.00	1.59	0.00	0.23	0.01	1.37	1.60	0.00	46.8	0.0	0.	0.00
733	9.500	30.00	0.0	0.0	0.0	8.80	1.62	0.00	1.62	0.00	0.23	0.01	1.36	1.60	0.00	46.3	0.0	0.	0.00
734	9.400	30.00	0.0	0.0	0.0	8.87	1.66	0.00	1.66	0.00	0.23	0.01	1.35	1.59	0.00	45.8	0.0	0.	0.00
735	9.300	30.00	0.0	0.0	0.0	8.94	1.69	0.00	1.69	0.00	0.23	0.01	1.34	1.58	0.00	45.3	0.0	0.	0.00
736	9.200	30.00	0.0	0.0	0.0	9.00	1.72	0.00	1.72	0.00	0.23	0.01	1.33	1.57	0.00	44.8	0.0	0.	0.00
737	9.100	30.00	0.0	0.0	0.0	9.06	1.76	0.00	1.76	0.00	0.23	0.01	1.32	1.56	0.00	44.4	0.0	0.	0.00
738	9.000	30.00	0.0	0.0	0.0	9.12	1.79	0.00	1.79	0.00	0.23	0.01	1.31	1.55	0.00	43.9	0.0	0.	0.00
739	8.900	30.00	0.0	0.0	0.0	8.83	2.46	0.00	2.46	0.00	0.23	0.16	1.33	1.72	0.00	43.4	0.0	0.	0.00
740	8.800	30.00	0.0	0.0	0.0	8.87	2.48	0.00	2.48	0.00	0.23	0.16	1.33	1.71	0.00	42.9	0.0	0.	0.00
741	8.700	30.00	0.0	0.0	0.0	8.90	2.50	0.00	2.50	0.00	0.23	0.15	1.32	1.70	0.00	42.4	0.0	0.	0.00
742	8.600	30.00	0.0	0.0	0.0	8.93	2.53	0.00	2.53	0.00	0.23	0.15	1.32	1.70	0.00	41.9	0.0	0.	0.00
743	8.500	30.00	0.0	0.0	0.0	8.96	2.55	0.00	2.55	0.00	0.23	0.15	1.31	1.69	0.00	41.4	0.0	0.	0.00
744	8.400	30.00	0.0	0.0	0.0	8.99	2.57	0.00	2.57	0.00	0.23	0.15	1.31	1.68	0.00	40.9	0.0	0.	0.00
745	8.300	30.00	0.0	0.0	0.0	9.01	2.60	0.00	2.60	0.00	0.23	0.14	1.30	1.68	0.00	40.5	0.0	0.	0.00
746	8.200	30.00	0.0	0.0	0.0	9.03	2.62	0.00	2.62	0.00	0.23	0.14	1.30	1.67	0.00	40.0	0.0	0.	0.00
747	8.100	30.00	0.0	0.0	0.0	9.05	2.64	0.00	2.64	0.00	0.23	0.14	1.30	1.66	0.00	39.5	0.0	0.	0.00
748	8.000	30.00	0.0	0.0	0.0	9.07	2.67	0.00	2.67	0.00	0.23	0.14	1.29	1.65	0.00	39.0	0.0	0.	0.00
749	7.900	30.00	0.0	0.0	0.0	9.08	2.69	0.00	2.69	0.00	0.23	0.13	1.29	1.65	0.00	38.5	0.0	0.	0.00
750	7.800	30.00	0.0	0.0	0.0	9.09	2.71	0.00	2.71	0.00	0.23	0.13	1.28	1.64	0.00	38.0	0.0	0.	0.00
751	7.700	30.00	0.0	0.0	0.0	9.10	2.73	0.00	2.73	0.00	0.23	0.13	1.28	1.63	0.00	37.5	0.0	0.	0.00
752	7.600	30.00	0.0	0.0	0.0	9.11	2.75	0.00	2.75	0.00	0.23	0.13	1.27	1.63	0.00	37.0	0.0	0.	0.00
753	7.500	30.00	0.0	0.0	0.0	9.12	2.78	0.00	2.78	0.00	0.23	0.12	1.27	1.62	0.00	36.6	0.0	0.	0.00
754	7.400	30.00	0.0	0.0	0.0	9.12	2.80	0.00	2.80	0.00	0.23	0.12	1.27	1.61	0.00	36.1	0.0	0.	0.00
755	7.300	30.00	0.0	0.0	0.0	9.12	2.82	0.00	2.82	0.00	0.22	0.12	1.26	1.61	0.00	35.6	0.0	0.	0.00

756	7.200	30.00	0.0	0.0	0.0	9.12	2.84	0.00	2.84	0.00	0.22	0.12	1.26	1.60	0.00	35.1	0.0	0.	0.00
757	7.100	30.00	0.0	0.0	0.0	9.12	2.86	0.00	2.86	0.00	0.22	0.12	1.25	1.59	0.00	34.6	0.0	0.	0.00
758	7.000	30.00	0.0	0.0	0.0	9.12	2.88	0.00	2.88	0.00	0.22	0.11	1.25	1.59	0.00	34.1	0.0	0.	0.00
759	6.900	30.00	0.0	0.0	0.0	9.11	2.90	0.00	2.90	0.00	0.22	0.11	1.25	1.58	0.00	33.6	0.0	0.	0.00
760	6.800	30.00	0.0	0.0	0.0	9.11	2.92	0.00	2.92	0.00	0.22	0.11	1.24	1.58	0.00	33.1	0.0	0.	0.00
761	6.700	30.00	0.0	0.0	0.0	9.10	2.94	0.00	2.94	0.00	0.22	0.11	1.24	1.57	0.00	32.7	0.0	0.	0.00
762	6.600	30.00	0.0	0.0	0.0	9.09	2.96	0.00	2.96	0.00	0.22	0.11	1.24	1.56	0.00	32.2	0.0	0.	0.00
763	6.500	30.00	0.0	0.0	0.0	9.08	2.98	0.00	2.98	0.00	0.22	0.10	1.23	1.56	0.00	31.7	0.0	0.	0.00
764	6.400	30.00	0.0	0.0	0.0	9.07	3.00	0.00	3.00	0.00	0.22	0.10	1.23	1.55	0.00	31.2	0.0	0.	0.00
765	6.300	30.00	0.0	0.0	0.0	9.06	3.02	0.00	3.02	0.00	0.22	0.10	1.22	1.55	0.00	30.7	0.0	0.	0.00
766	6.200	30.00	0.0	0.0	0.0	9.04	3.04	0.00	3.04	0.00	0.22	0.10	1.22	1.54	0.00	30.2	0.0	0.	0.00
767	6.100	30.00	0.0	0.0	0.0	9.03	3.06	0.00	3.06	0.00	0.22	0.10	1.22	1.54	0.00	29.7	0.0	0.	0.00
768	6.000	30.00	0.0	0.0	0.0	9.01	3.08	0.00	3.08	0.00	0.22	0.10	1.21	1.53	0.00	29.2	0.0	0.	0.00
769	5.900	30.00	0.0	0.0	0.0	8.99	3.10	0.00	3.10	0.00	0.22	0.09	1.21	1.53	0.00	28.8	0.0	0.	0.00
770	5.800	30.00	0.0	0.0	0.0	8.97	3.12	0.00	3.12	0.00	0.22	0.09	1.21	1.52	0.00	28.3	0.0	0.	0.00
771	5.700	30.00	0.0	0.0	0.0	8.95	3.14	0.00	3.14	0.00	0.22	0.09	1.20	1.52	0.00	27.8	0.0	0.	0.00
772	5.600	30.00	0.0	0.0	0.0	8.93	3.15	0.00	3.15	0.00	0.22	0.09	1.20	1.51	0.00	27.3	0.0	0.	0.00
773	5.500	30.00	0.0	0.0	0.0	8.91	3.17	0.00	3.17	0.00	0.22	0.09	1.20	1.51	0.00	26.8	0.0	0.	0.00
774	5.400	30.00	0.0	0.0	0.0	8.89	3.19	0.00	3.19	0.00	0.22	0.09	1.20	1.50	0.00	26.3	0.0	0.	0.00
775	5.300	30.00	0.0	0.0	0.0	8.86	3.21	0.00	3.21	0.00	0.22	0.08	1.19	1.50	0.00	25.8	0.0	0.	0.00
776	5.200	30.00	0.0	0.0	0.0	8.84	3.23	0.00	3.23	0.00	0.22	0.08	1.19	1.49	0.00	25.3	0.0	0.	0.00
777	5.100	30.00	0.0	0.0	0.0	8.81	3.24	0.00	3.24	0.00	0.22	0.08	1.19	1.49	0.00	24.9	0.0	0.	0.00
778	5.000	30.00	0.0	0.0	0.0	8.78	3.26	0.00	3.26	0.00	0.22	0.08	1.18	1.48	0.00	24.4	0.0	0.	0.00
779	4.900	30.00	0.0	0.0	0.0	8.74	3.30	0.00	3.30	0.00	0.22	0.08	1.18	1.49	0.00	23.9	0.0	0.	0.00
780	4.800	30.00	0.0	0.0	0.0	8.72	3.32	0.00	3.32	0.00	0.22	0.08	1.18	1.48	0.00	23.4	0.0	0.	0.00
781	4.700	30.00	0.0	0.0	0.0	8.69	3.34	0.00	3.34	0.00	0.22	0.08	1.18	1.48	0.00	22.9	0.0	0.	0.00
782	4.600	30.00	0.0	0.0	0.0	8.65	3.39	0.00	3.39	0.00	0.22	0.08	1.18	1.47	0.00	22.4	0.0	0.	0.00
783	4.500	30.00	0.0	0.0	0.0	8.62	3.40	0.00	3.40	0.00	0.22	0.08	1.17	1.47	0.00	21.9	0.0	0.	0.00
784	4.400	30.00	0.0	0.0	0.0	8.59	3.42	0.00	3.42	0.00	0.22	0.08	1.17	1.47	0.00	21.4	0.0	0.	0.00
785	4.300	30.00	0.0	0.0	0.0	8.56	3.45	0.00	3.45	0.00	0.22	0.08	1.17	1.46	0.00	21.0	0.0	0.	0.00
786	4.200	30.00	0.0	0.0	0.0	8.52	3.46	0.00	3.46	0.00	0.22	0.08	1.17	1.46	0.00	20.5	0.0	0.	0.00
787	4.100	30.00	0.0	0.0	0.0	8.49	3.48	0.00	3.48	0.00	0.22	0.08	1.16	1.46	0.00	20.0	0.0	0.	0.00
788	4.000	30.00	0.0	0.0	0.0	8.46	3.49	0.00	3.49	0.00	0.22	0.07	1.16	1.45	0.00	19.5	0.0	0.	0.00
789	3.900	30.00	0.0	0.0	0.0	8.42	3.51	0.00	3.51	0.00	0.22	0.07	1.16	1.45	0.00	19.0	0.0	0.	0.00
790	3.800	30.00	0.0	0.0	0.0	8.39	3.53	0.00	3.53	0.00	0.22	0.07	1.16	1.45	0.00	18.5	0.0	0.	0.00
791	3.700	30.00	0.0	0.0	0.0	8.35	3.54	0.00	3.54	0.00	0.22	0.07	1.16	1.44	0.00	18.0	0.0	0.	0.00
792	3.600	30.00	0.0	0.0	0.0	8.32	3.56	0.00	3.56	0.00	0.22	0.07	1.15	1.44	0.00	17.5	0.0	0.	0.00
793	3.500	30.00	0.0	0.0	0.0	8.28	3.57	0.00	3.57	0.00	0.22	0.07	1.15	1.44	0.00	17.1	0.0	0.	0.00
794	3.400	30.00	0.0	0.0	0.0	8.24	3.59	0.00	3.59	0.00	0.22	0.07	1.15	1.43	0.00	16.6	0.0	0.	0.00
795	3.300	30.00	0.0	0.0	0.0	8.20	3.60	0.00	3.60	0.00	0.22	0.07	1.15	1.43	0.00	16.1	0.0	0.	0.00
796	3.200	30.00	0.0	0.0	0.0	8.17	3.62	0.00	3.62	0.00	0.21	0.07	1.15	1.43	0.00	15.6	0.0	0.	0.00
797	3.100	30.00	0.0	0.0	0.0	8.13	3.63	0.00	3.63	0.00	0.21	0.06	1.15	1.43	0.00	15.1	0.0	0.	0.00
798	3.000	30.00	0.0	0.0	0.0	8.09	3.65	0.00	3.65	0.00	0.21	0.06	1.15	1.42	0.00	14.6	0.0	0.	0.00
799	2.900	30.00	0.0	0.0	0.0	8.05	3.66	0.00	3.66	0.00	0.21	0.06	1.14	1.42	0.00	14.1	0.0	0.	0.00
800	2.800	30.00	0.0	0.0	0.0	8.01	3.68	0.00	3.68	0.00	0.21	0.06	1.14	1.42	0.00	13.6	0.0	0.	0.00
801	2.700	30.00	0.0	0.0	0.0	7.97	3.69	0.00	3.69	0.00	0.21	0.06	1.14	1.42	0.00	13.2	0.0	0.	0.00
802	2.600	30.00	0.0	0.0	0.0	7.93	3.71	0.00	3.71	0.00	0.21	0.06	1.14	1.41	0.00	12.7	0.0	0.	0.00
803	2.500	30.00	0.0	0.0	0.0	7.89	3.72	0.00	3.72	0.00	0.21	0.06	1.14	1.41	0.00	12.2	0.0	0.	0.00
804	2.400	30.00	0.0	0.0	0.0	7.85	3.73	0.00	3.73	0.00	0.21	0.06	1.14	1.41	0.00	11.7	0.0	0.	0.00
805	2.300	30.00	0.0	0.0	0.0	7.80	3.75	0.00	3.75	0.00	0.21	0.06	1.14	1.41	0.00	11.2	0.0	0.	0.00

806	2.200	30.00	0.0	0.0	0.0	7.76	3.76	0.00	3.76	0.00	0.21	0.06	1.14	1.41	0.00	10.7	0.0	0.	0.00
807	2.100	30.00	0.0	0.0	0.0	7.72	3.77	0.00	3.77	0.00	0.21	0.05	1.14	1.40	0.00	10.2	0.0	0.	0.00
808	2.000	30.00	0.0	0.0	0.0	7.68	3.79	0.00	3.79	0.00	0.21	0.05	1.14	1.40	0.00	9.7	0.0	0.	0.00
809	1.900	30.00	0.0	0.0	0.0	7.64	3.80	0.00	3.80	0.00	0.21	0.05	1.14	1.40	0.00	9.3	0.0	0.	0.00
810	1.800	30.00	0.0	0.0	0.0	7.59	3.81	0.00	3.81	0.00	0.21	0.05	1.13	1.40	0.00	8.8	0.0	0.	0.00
811	1.700	30.00	0.0	0.0	0.0	7.55	3.83	0.00	3.83	0.00	0.21	0.05	1.13	1.40	0.00	8.3	0.0	0.	0.00
812	1.600	30.00	0.0	0.0	0.0	7.51	3.84	0.00	3.84	0.00	0.21	0.05	1.13	1.40	0.00	7.8	0.0	0.	0.00
813	1.500	30.00	0.0	0.0	0.0	7.46	3.85	0.00	3.85	0.00	0.21	0.05	1.13	1.39	0.00	7.3	0.0	0.	0.00
814	1.400	30.00	0.0	0.0	0.0	7.42	3.87	0.00	3.87	0.00	0.21	0.05	1.13	1.39	0.00	6.8	0.0	0.	0.00
815	1.300	30.00	0.0	0.0	0.0	7.37	3.88	0.00	3.88	0.00	0.21	0.05	1.13	1.39	0.00	6.3	0.0	0.	0.00
816	1.200	30.00	0.0	0.0	0.0	7.33	3.89	0.00	3.89	0.00	0.21	0.05	1.13	1.39	0.00	5.8	0.0	0.	0.00
817	1.100	30.00	0.0	0.0	0.0	7.28	3.90	0.00	3.90	0.00	0.21	0.05	1.13	1.39	0.00	5.4	0.0	0.	0.00
818	1.000	30.00	0.0	0.0	0.0	7.24	3.92	0.00	3.92	0.00	0.21	0.05	1.13	1.39	0.00	4.9	0.0	0.	0.00
819	0.900	30.00	0.0	0.0	0.0	7.19	3.93	0.00	3.93	0.00	0.21	0.05	1.13	1.39	0.00	4.4	0.0	0.	0.00
820	0.800	30.00	0.0	0.0	0.0	7.15	3.94	0.00	3.94	0.00	0.21	0.04	1.13	1.39	0.00	3.9	0.0	0.	0.00
821	0.700	30.00	0.0	0.0	0.0	7.10	3.95	0.00	3.95	0.00	0.21	0.04	1.13	1.39	0.00	3.4	0.0	0.	0.00
822	0.600	30.00	0.0	0.0	0.0	7.06	3.96	0.00	3.96	0.00	0.21	0.04	1.13	1.39	0.00	2.9	0.0	0.	0.00
823	0.500	30.00	0.0	0.0	0.0	7.01	3.98	0.00	3.98	0.00	0.21	0.04	1.13	1.39	0.00	2.4	0.0	0.	0.00
824	0.400	30.00	0.0	0.0	0.0	6.96	3.99	0.00	3.99	0.00	0.21	0.04	1.13	1.39	0.00	1.9	0.0	0.	0.00
825	0.300	30.00	0.0	0.0	0.0	6.92	4.00	0.00	4.00	0.00	0.21	0.04	1.14	1.39	0.00	1.5	0.0	0.	0.00
826	0.200	30.00	0.0	0.0	0.0	6.87	4.01	0.00	4.01	0.00	0.21	0.04	1.14	1.39	0.00	1.0	0.0	0.	0.00
827	0.100	30.00	0.0	0.0	0.0	6.82	4.02	0.00	4.02	0.00	0.21	0.04	1.14	1.38	0.00	0.5	0.0	0.	0.00
828	0.000	30.00	0.0	0.0	0.0	6.78	4.04	0.00	4.04	0.00	0.21	0.04	1.14	1.38	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Upper Grand River #1
WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	CM-I *	CM-II *	DO mg/L	BOD1 mg/L	BOD2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N µg/L	TOTN **	PHOS	CHL A	MACRO #/100mL	COLI	NCM *
879	12.300	30.00	0.0	0.0	0.0	5.00	6.31	0.00	6.31	0.00	0.56	0.03	1.60	2.19	0.00	32.1	0.0	0.	0.00
880	12.200	30.00	0.0	0.0	0.0	5.00	6.23	0.00	6.23	0.00	0.56	0.03	1.59	2.18	0.00	32.1	0.0	0.	0.00
881	12.100	30.00	0.0	0.0	0.0	5.00	6.15	0.00	6.15	0.00	0.56	0.03	1.59	2.18	0.00	32.2	0.0	0.	0.00
882	12.000	30.00	0.0	0.0	0.0	5.00	6.07	0.00	6.07	0.00	0.56	0.03	1.59	2.18	0.00	32.3	0.0	0.	0.00
883	11.900	30.00	0.0	0.0	0.0	5.00	5.98	0.00	5.98	0.00	0.56	0.03	1.58	2.17	0.00	32.4	0.0	0.	0.00
884	11.800	30.00	0.0	0.0	0.0	5.00	5.91	0.00	5.91	0.00	0.56	0.03	1.58	2.17	0.00	32.4	0.0	0.	0.00
885	11.700	30.00	0.0	0.0	0.0	5.01	5.83	0.00	5.83	0.00	0.56	0.03	1.58	2.16	0.00	32.5	0.0	0.	0.00
886	11.600	30.00	0.0	0.0	0.0	5.01	5.75	0.00	5.75	0.00	0.56	0.03	1.57	2.16	0.00	32.6	0.0	0.	0.00
887	11.500	30.00	0.0	0.0	0.0	5.02	5.67	0.00	5.67	0.00	0.56	0.03	1.57	2.16	0.00	32.6	0.0	0.	0.00
888	11.400	30.00	0.0	0.0	0.0	5.03	5.60	0.00	5.60	0.00	0.56	0.03	1.57	2.15	0.00	32.7	0.0	0.	0.00
889	11.300	30.00	0.0	0.0	0.0	5.03	5.52	0.00	5.52	0.00	0.56	0.03	1.56	2.15	0.00	32.8	0.0	0.	0.00
890	11.200	30.00	0.0	0.0	0.0	5.04	5.45	0.00	5.45	0.00	0.56	0.03	1.56	2.15	0.00	32.9	0.0	0.	0.00
891	11.100	30.00	0.0	0.0	0.0	5.05	5.38	0.00	5.38	0.00	0.55	0.03	1.56	2.14	0.00	32.9	0.0	0.	0.00
892	11.000	30.00	0.0	0.0	0.0	5.07	5.30	0.00	5.30	0.00	0.55	0.03	1.55	2.14	0.00	33.0	0.0	0.	0.00
893	10.900	30.00	0.0	0.0	0.0	5.08	5.23	0.00	5.23	0.00	0.55	0.03	1.55	2.14	0.00	33.1	0.0	0.	0.00
894	10.800	30.00	0.0	0.0	0.0	5.09	5.16	0.00	5.16	0.00	0.55	0.03	1.55	2.13	0.00	33.1	0.0	0.	0.00
895	10.700	30.00	0.0	0.0	0.0	5.10	5.10	0.00	5.10	0.00	0.55	0.03	1.54	2.13	0.00	33.2	0.0	0.	0.00
896	10.600	30.00	0.0	0.0	0.0	5.12	5.03	0.00	5.03	0.00	0.55	0.03	1.54	2.12	0.00	33.3	0.0	0.	0.00
897	10.500	30.00	0.0	0.0	0.0	5.13	4.96	0.00	4.96	0.00	0.55	0.03	1.54	2.12	0.00	33.4	0.0	0.	0.00

898	10.400	30.00	0.0	0.0	0.0	5.15	4.89	0.00	4.89	0.00	0.55	0.03	1.53	2.12	0.00	33.4	0.0	0.	0.00
899	10.300	30.00	0.0	0.0	0.0	5.17	4.83	0.00	4.83	0.00	0.55	0.03	1.53	2.11	0.00	33.5	0.0	0.	0.00
900	10.200	30.00	0.0	0.0	0.0	5.18	4.76	0.00	4.76	0.00	0.55	0.03	1.53	2.11	0.00	33.6	0.0	0.	0.00
901	10.100	30.00	0.0	0.0	0.0	5.20	4.70	0.00	4.70	0.00	0.55	0.03	1.52	2.10	0.00	33.6	0.0	0.	0.00
902	10.000	30.00	0.0	0.0	0.0	5.22	4.64	0.00	4.64	0.00	0.55	0.03	1.52	2.10	0.00	33.7	0.0	0.	0.00
903	9.900	30.00	0.0	0.0	0.0	5.24	4.58	0.00	4.58	0.00	0.55	0.03	1.52	2.10	0.00	33.8	0.0	0.	0.00
904	9.800	30.00	0.0	0.0	0.0	5.26	4.52	0.00	4.52	0.00	0.55	0.03	1.51	2.09	0.00	33.9	0.0	0.	0.00
905	9.700	30.00	0.0	0.0	0.0	5.28	4.46	0.00	4.46	0.00	0.55	0.03	1.51	2.09	0.00	33.9	0.0	0.	0.00
906	9.600	30.00	0.0	0.0	0.0	5.30	4.40	0.00	4.40	0.00	0.55	0.03	1.51	2.09	0.00	34.0	0.0	0.	0.00
907	9.500	30.00	0.0	0.0	0.0	5.36	4.27	0.00	4.27	0.00	0.56	0.04	1.21	1.81	0.00	34.1	0.0	0.	0.00
908	9.400	30.00	0.0	0.0	0.0	5.38	4.23	0.00	4.23	0.00	0.56	0.04	1.20	1.81	0.00	34.1	0.0	0.	0.00
909	9.300	30.00	0.0	0.0	0.0	5.40	4.18	0.00	4.18	0.00	0.56	0.04	1.20	1.80	0.00	34.2	0.0	0.	0.00
910	9.200	30.00	0.0	0.0	0.0	5.42	4.14	0.00	4.14	0.00	0.56	0.04	1.20	1.80	0.00	34.3	0.0	0.	0.00
911	9.100	30.00	0.0	0.0	0.0	5.44	4.09	0.00	4.09	0.00	0.56	0.04	1.20	1.80	0.00	34.4	0.0	0.	0.00
912	9.000	30.00	0.0	0.0	0.0	5.46	4.05	0.00	4.05	0.00	0.56	0.04	1.19	1.79	0.00	34.4	0.0	0.	0.00
913	8.900	30.00	0.0	0.0	0.0	5.49	4.00	0.00	4.00	0.00	0.56	0.04	1.19	1.79	0.00	34.5	0.0	0.	0.00
914	8.800	30.00	0.0	0.0	0.0	5.51	3.96	0.00	3.96	0.00	0.56	0.04	1.19	1.79	0.00	34.6	0.0	0.	0.00
915	8.700	30.00	0.0	0.0	0.0	5.53	3.92	0.00	3.92	0.00	0.56	0.04	1.18	1.78	0.00	34.6	0.0	0.	0.00
916	8.600	30.00	0.0	0.0	0.0	5.55	3.88	0.00	3.88	0.00	0.56	0.04	1.18	1.78	0.00	34.7	0.0	0.	0.00
917	8.500	30.00	0.0	0.0	0.0	5.57	3.84	0.00	3.84	0.00	0.56	0.04	1.18	1.78	0.00	34.8	0.0	0.	0.00
918	8.400	30.00	0.0	0.0	0.0	5.60	3.79	0.00	3.79	0.00	0.56	0.04	1.18	1.78	0.00	34.9	0.0	0.	0.00
919	8.300	30.00	0.0	0.0	0.0	5.62	3.75	0.00	3.75	0.00	0.56	0.04	1.17	1.77	0.00	34.9	0.0	0.	0.00
920	8.200	30.00	0.0	0.0	0.0	5.64	3.71	0.00	3.71	0.00	0.55	0.04	1.17	1.77	0.00	35.0	0.0	0.	0.00
921	8.100	30.00	0.0	0.0	0.0	5.67	3.67	0.00	3.67	0.00	0.55	0.04	1.17	1.77	0.00	35.1	0.0	0.	0.00
922	8.000	30.00	0.0	0.0	0.0	5.69	3.63	0.00	3.63	0.00	0.55	0.04	1.17	1.76	0.00	35.1	0.0	0.	0.00
923	7.900	30.00	0.0	0.0	0.0	5.71	3.59	0.00	3.59	0.00	0.55	0.04	1.16	1.76	0.00	35.2	0.0	0.	0.00
924	7.800	30.00	0.0	0.0	0.0	5.73	3.56	0.00	3.56	0.00	0.55	0.04	1.16	1.76	0.00	35.3	0.0	0.	0.00
925	7.700	30.00	0.0	0.0	0.0	5.76	3.52	0.00	3.52	0.00	0.55	0.04	1.16	1.75	0.00	35.4	0.0	0.	0.00
926	7.600	30.00	0.0	0.0	0.0	5.78	3.48	0.00	3.48	0.00	0.55	0.04	1.15	1.75	0.00	35.4	0.0	0.	0.00
927	7.500	30.00	0.0	0.0	0.0	5.80	3.44	0.00	3.44	0.00	0.55	0.04	1.15	1.75	0.00	35.5	0.0	0.	0.00
928	7.400	30.00	0.0	0.0	0.0	5.83	3.41	0.00	3.41	0.00	0.55	0.04	1.15	1.74	0.00	35.6	0.0	0.	0.00
929	7.300	30.00	0.0	0.0	0.0	5.85	3.37	0.00	3.37	0.00	0.55	0.04	1.15	1.74	0.00	35.6	0.0	0.	0.00
930	7.200	30.00	0.0	0.0	0.0	5.87	3.33	0.00	3.33	0.00	0.55	0.04	1.14	1.74	0.00	35.7	0.0	0.	0.00
931	7.100	30.00	0.0	0.0	0.0	5.90	3.30	0.00	3.30	0.00	0.55	0.04	1.14	1.73	0.00	35.8	0.0	0.	0.00
932	7.000	30.00	0.0	0.0	0.0	5.92	3.26	0.00	3.26	0.00	0.55	0.04	1.14	1.73	0.00	35.9	0.0	0.	0.00
933	6.900	30.00	0.0	0.0	0.0	5.94	3.23	0.00	3.23	0.00	0.55	0.04	1.13	1.73	0.00	35.9	0.0	0.	0.00
934	6.800	30.00	0.0	0.0	0.0	5.97	3.19	0.00	3.19	0.00	0.55	0.04	1.13	1.72	0.00	36.0	0.0	0.	0.00
935	6.700	30.00	0.0	0.0	0.0	5.99	3.16	0.00	3.16	0.00	0.55	0.04	1.13	1.72	0.00	36.1	0.0	0.	0.00
936	6.600	30.00	0.0	0.0	0.0	6.01	3.12	0.00	3.12	0.00	0.55	0.04	1.13	1.72	0.00	36.1	0.0	0.	0.00
937	6.500	30.00	0.0	0.0	0.0	6.04	3.09	0.00	3.09	0.00	0.55	0.04	1.12	1.71	0.00	36.2	0.0	0.	0.00
938	6.400	30.00	0.0	0.0	0.0	6.06	3.06	0.00	3.06	0.00	0.55	0.04	1.12	1.71	0.00	36.3	0.0	0.	0.00
939	6.300	30.00	0.0	0.0	0.0	6.08	3.03	0.00	3.03	0.00	0.55	0.04	1.12	1.71	0.00	36.4	0.0	0.	0.00
940	6.200	30.00	0.0	0.0	0.0	6.11	2.99	0.00	2.99	0.00	0.55	0.04	1.11	1.70	0.00	36.4	0.0	0.	0.00
941	6.100	30.00	0.0	0.0	0.0	6.13	2.96	0.00	2.96	0.00	0.55	0.04	1.11	1.70	0.00	36.5	0.0	0.	0.00
942	6.000	30.00	0.0	0.0	0.0	6.15	2.93	0.00	2.93	0.00	0.55	0.04	1.11	1.70	0.00	36.6	0.0	0.	0.00
943	5.900	30.00	0.0	0.0	0.0	6.18	2.90	0.00	2.90	0.00	0.55	0.04	1.11	1.69	0.00	36.6	0.0	0.	0.00
944	5.800	30.00	0.0	0.0	0.0	6.20	2.87	0.00	2.87	0.00	0.55	0.04	1.10	1.69	0.00	36.7	0.0	0.	0.00
945	5.700	30.00	0.0	0.0	0.0	6.22	2.84	0.00	2.84	0.00	0.55	0.04	1.10	1.69	0.00	36.8	0.0	0.	0.00
946	5.600	30.00	0.0	0.0	0.0	6.25	2.81	0.00	2.81	0.00	0.55	0.04	1.10	1.68	0.00	36.9	0.0	0.	0.00
947	5.500	30.00	0.0	0.0	0.0	6.27	2.78	0.00	2.78	0.00	0.55	0.04	1.09	1.68	0.00	36.9	0.0	0.	0.00

948	5.400	30.00	0.0	0.0	0.0	6.29	2.75	0.00	2.75	0.00	0.55	0.04	1.09	1.68	0.00	37.0	0.0	0.	0.00
949	5.300	30.00	0.0	0.0	0.0	6.31	2.72	0.00	2.72	0.00	0.55	0.04	1.09	1.67	0.00	37.1	0.0	0.	0.00
950	5.200	30.00	0.0	0.0	0.0	6.34	2.69	0.00	2.69	0.00	0.55	0.04	1.08	1.67	0.00	37.1	0.0	0.	0.00
951	5.100	30.00	0.0	0.0	0.0	6.36	2.66	0.00	2.66	0.00	0.55	0.04	1.08	1.67	0.00	37.2	0.0	0.	0.00
952	5.000	30.00	0.0	0.0	0.0	6.38	2.63	0.00	2.63	0.00	0.55	0.04	1.08	1.66	0.00	37.3	0.0	0.	0.00
953	4.900	30.00	0.0	0.0	0.0	6.41	2.60	0.00	2.60	0.00	0.54	0.04	1.08	1.66	0.00	37.4	0.0	0.	0.00
954	4.800	30.00	0.0	0.0	0.0	6.43	2.57	0.00	2.57	0.00	0.54	0.04	1.07	1.66	0.00	37.4	0.0	0.	0.00
955	4.700	30.00	0.0	0.0	0.0	6.45	2.55	0.00	2.55	0.00	0.54	0.04	1.07	1.65	0.00	37.5	0.0	0.	0.00
956	4.600	30.00	0.0	0.0	0.0	6.48	2.52	0.00	2.52	0.00	0.54	0.04	1.07	1.65	0.00	37.6	0.0	0.	0.00
957	4.500	30.00	0.0	0.0	0.0	6.50	2.49	0.00	2.49	0.00	0.54	0.04	1.06	1.65	0.00	37.6	0.0	0.	0.00
958	4.400	30.00	0.0	0.0	0.0	6.52	2.46	0.00	2.46	0.00	0.54	0.04	1.06	1.64	0.00	37.7	0.0	0.	0.00
959	4.300	30.00	0.0	0.0	0.0	6.54	2.44	0.00	2.44	0.00	0.54	0.04	1.06	1.64	0.00	37.8	0.0	0.	0.00
960	4.200	30.00	0.0	0.0	0.0	6.57	2.41	0.00	2.41	0.00	0.54	0.04	1.05	1.64	0.00	37.9	0.0	0.	0.00
961	4.100	30.00	0.0	0.0	0.0	6.59	2.39	0.00	2.39	0.00	0.54	0.04	1.05	1.63	0.00	37.9	0.0	0.	0.00
962	4.000	30.00	0.0	0.0	0.0	6.61	2.36	0.00	2.36	0.00	0.54	0.04	1.05	1.63	0.00	38.0	0.0	0.	0.00
1007	3.900	30.00	0.0	0.0	0.0	6.43	2.41	0.00	2.41	0.00	0.55	0.04	0.72	1.31	0.00	37.0	0.0	0.	0.00
1008	3.800	30.00	0.0	0.0	0.0	6.45	2.39	0.00	2.39	0.00	0.55	0.04	0.72	1.31	0.00	36.1	0.0	0.	0.00
1009	3.700	30.00	0.0	0.0	0.0	6.46	2.38	0.00	2.38	0.00	0.55	0.04	0.72	1.31	0.00	35.2	0.0	0.	0.00
1010	3.600	30.00	0.0	0.0	0.0	6.48	2.36	0.00	2.36	0.00	0.55	0.04	0.72	1.31	0.00	34.2	0.0	0.	0.00
1011	3.500	30.00	0.0	0.0	0.0	6.49	2.34	0.00	2.34	0.00	0.55	0.04	0.72	1.30	0.00	33.2	0.0	0.	0.00
1012	3.400	30.00	0.0	0.0	0.0	6.50	2.33	0.00	2.33	0.00	0.55	0.04	0.71	1.30	0.00	32.3	0.0	0.	0.00
1013	3.300	30.00	0.0	0.0	0.0	6.51	2.31	0.00	2.31	0.00	0.55	0.04	0.71	1.30	0.00	31.4	0.0	0.	0.00
1014	3.200	30.00	0.0	0.0	0.0	6.52	2.30	0.00	2.30	0.00	0.55	0.04	0.71	1.30	0.00	30.4	0.0	0.	0.00
1015	3.100	30.00	0.0	0.0	0.0	6.53	2.29	0.00	2.29	0.00	0.55	0.04	0.71	1.30	0.00	29.5	0.0	0.	0.00
1016	3.000	30.00	0.0	0.0	0.0	6.54	2.27	0.00	2.27	0.00	0.55	0.04	0.71	1.30	0.00	28.5	0.0	0.	0.00
1017	2.900	30.00	0.0	0.0	0.0	6.55	2.26	0.00	2.26	0.00	0.55	0.04	0.71	1.29	0.00	27.5	0.0	0.	0.00
1018	2.800	30.00	0.0	0.0	0.0	6.56	2.24	0.00	2.24	0.00	0.55	0.04	0.71	1.29	0.00	26.6	0.0	0.	0.00
1019	2.700	30.00	0.0	0.0	0.0	6.56	2.23	0.00	2.23	0.00	0.55	0.04	0.71	1.29	0.00	25.6	0.0	0.	0.00
1020	2.600	30.00	0.0	0.0	0.0	6.57	2.21	0.00	2.21	0.00	0.55	0.04	0.70	1.29	0.00	24.7	0.0	0.	0.00
1021	2.500	30.00	0.0	0.0	0.0	6.57	2.20	0.00	2.20	0.00	0.55	0.04	0.70	1.29	0.00	23.8	0.0	0.	0.00
1022	2.400	30.00	0.0	0.0	0.0	6.57	2.18	0.00	2.18	0.00	0.55	0.04	0.70	1.29	0.00	22.8	0.0	0.	0.00
1023	2.300	30.00	0.0	0.0	0.0	6.57	2.17	0.00	2.17	0.00	0.55	0.04	0.70	1.29	0.00	21.9	0.0	0.	0.00
1024	2.200	30.00	0.0	0.0	0.0	6.57	2.16	0.00	2.16	0.00	0.55	0.04	0.70	1.29	0.00	20.9	0.0	0.	0.00
1025	2.100	30.00	0.0	0.0	0.0	6.57	2.14	0.00	2.14	0.00	0.55	0.04	0.70	1.28	0.00	20.0	0.0	0.	0.00
1026	2.000	30.00	0.0	0.0	0.0	6.57	2.13	0.00	2.13	0.00	0.55	0.04	0.70	1.28	0.00	19.0	0.0	0.	0.00
1027	1.900	30.00	0.0	0.0	0.0	6.57	2.12	0.00	2.12	0.00	0.55	0.04	0.70	1.28	0.00	18.1	0.0	0.	0.00
1028	1.800	30.00	0.0	0.0	0.0	6.57	2.10	0.00	2.10	0.00	0.55	0.04	0.70	1.28	0.00	17.1	0.0	0.	0.00
1029	1.700	30.00	0.0	0.0	0.0	6.56	2.09	0.00	2.09	0.00	0.55	0.04	0.70	1.28	0.00	16.1	0.0	0.	0.00
1030	1.600	30.00	0.0	0.0	0.0	6.56	2.08	0.00	2.08	0.00	0.55	0.04	0.70	1.28	0.00	15.2	0.0	0.	0.00
1031	1.500	30.00	0.0	0.0	0.0	6.55	2.06	0.00	2.06	0.00	0.55	0.04	0.70	1.28	0.00	14.2	0.0	0.	0.00
1032	1.400	30.00	0.0	0.0	0.0	6.54	2.05	0.00	2.05	0.00	0.55	0.04	0.69	1.28	0.00	13.3	0.0	0.	0.00
1033	1.300	30.00	0.0	0.0	0.0	6.54	2.04	0.00	2.04	0.00	0.55	0.04	0.69	1.28	0.00	12.4	0.0	0.	0.00
1034	1.200	30.00	0.0	0.0	0.0	6.53	2.02	0.00	2.02	0.00	0.55	0.04	0.69	1.28	0.00	11.4	0.0	0.	0.00
1035	1.100	30.00	0.0	0.0	0.0	6.52	2.01	0.00	2.01	0.00	0.55	0.04	0.69	1.28	0.00	10.5	0.0	0.	0.00
1036	1.000	30.00	0.0	0.0	0.0	6.51	2.00	0.00	2.00	0.00	0.55	0.04	0.69	1.28	0.00	9.5	0.0	0.	0.00
1037	0.900	30.00	0.0	0.0	0.0	6.50	1.98	0.00	1.98	0.00	0.55	0.04	0.69	1.28	0.00	8.6	0.0	0.	0.00
1038	0.800	30.00	0.0	0.0	0.0	6.49	1.97	0.00	1.97	0.00	0.55	0.04	0.69	1.28	0.00	7.6	0.0	0.	0.00
1039	0.700	30.00	0.0	0.0	0.0	6.48	1.96	0.00	1.96	0.00	0.55	0.04	0.69	1.27	0.00	6.7	0.0	0.	0.00
1040	0.600	30.00	0.0	0.0	0.0	6.46	1.95	0.00	1.95	0.00	0.55	0.04	0.69	1.27	0.00	5.7	0.0	0.	0.00
1041	0.500	30.00	0.0	0.0	0.0	6.45	1.93	0.00	1.93	0.00	0.55	0.04	0.69	1.27	0.00	4.8	0.0	0.	0.00

1042	0.400	30.00	0.0	0.0	0.0	6.43	1.92	0.00	1.92	0.00	0.55	0.04	0.69	1.27	0.00	3.8	0.0	0.	0.00
1043	0.300	30.00	0.0	0.0	0.0	6.42	1.91	0.00	1.91	0.00	0.55	0.04	0.69	1.27	0.00	2.9	0.0	0.	0.00
1044	0.200	30.00	0.0	0.0	0.0	6.40	1.90	0.00	1.90	0.00	0.55	0.04	0.69	1.27	0.00	1.9	0.0	0.	0.00
1045	0.100	30.00	0.0	0.0	0.0	6.39	1.88	0.00	1.88	0.00	0.55	0.04	0.69	1.27	0.00	1.0	0.0	0.	0.00
1046	0.000	30.00	0.0	0.0	0.0	6.37	1.87	0.00	1.87	0.00	0.55	0.04	0.69	1.27	0.00	0.0	0.0	0.	0.00

SPECIAL REPORT: Lower Flat River
WATER QUALITY CONSTITUENT VALUES

ELEM NO.	ENDING km	TEMP deg C	SALN ppt	CM-I *	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
963	4.300	30.00	0.0	0.0	0.0	5.44	4.73	0.00	4.73	0.00	0.56	0.03	0.00	0.59	0.00	0.9	0.0	0.	0.00
964	4.200	30.00	0.0	0.0	0.0	5.39	4.67	0.00	4.67	0.00	0.56	0.03	0.00	0.59	0.00	1.7	0.0	0.	0.00
965	4.100	30.00	0.0	0.0	0.0	5.35	4.60	0.00	4.60	0.00	0.56	0.03	0.00	0.59	0.00	2.6	0.0	0.	0.00
966	4.000	30.00	0.0	0.0	0.0	5.31	4.54	0.00	4.54	0.00	0.56	0.03	0.00	0.59	0.00	3.5	0.0	0.	0.00
967	3.900	30.00	0.0	0.0	0.0	5.27	4.47	0.00	4.47	0.00	0.56	0.03	0.00	0.59	0.00	4.3	0.0	0.	0.00
968	3.800	30.00	0.0	0.0	0.0	5.24	4.41	0.00	4.41	0.00	0.56	0.03	0.00	0.59	0.00	5.2	0.0	0.	0.00
969	3.700	30.00	0.0	0.0	0.0	5.21	4.35	0.00	4.35	0.00	0.56	0.03	0.00	0.59	0.00	6.0	0.0	0.	0.00
970	3.600	30.00	0.0	0.0	0.0	5.19	4.29	0.00	4.29	0.00	0.56	0.03	0.00	0.59	0.00	6.9	0.0	0.	0.00
971	3.500	30.00	0.0	0.0	0.0	5.17	4.22	0.00	4.22	0.00	0.56	0.03	0.00	0.59	0.00	7.8	0.0	0.	0.00
972	3.400	30.00	0.0	0.0	0.0	5.15	4.17	0.00	4.17	0.00	0.56	0.03	0.00	0.59	0.00	8.6	0.0	0.	0.00
973	3.300	30.00	0.0	0.0	0.0	5.13	4.11	0.00	4.11	0.00	0.56	0.03	0.00	0.60	0.00	9.5	0.0	0.	0.00
974	3.200	30.00	0.0	0.0	0.0	5.12	4.05	0.00	4.05	0.00	0.56	0.03	0.00	0.60	0.00	10.4	0.0	0.	0.00
975	3.100	30.00	0.0	0.0	0.0	5.12	3.99	0.00	3.99	0.00	0.57	0.03	0.00	0.60	0.00	11.2	0.0	0.	0.00
976	3.000	30.00	0.0	0.0	0.0	5.11	3.94	0.00	3.94	0.00	0.57	0.03	0.00	0.60	0.00	12.1	0.0	0.	0.00
977	2.900	30.00	0.0	0.0	0.0	5.11	3.88	0.00	3.88	0.00	0.57	0.03	0.00	0.60	0.00	13.0	0.0	0.	0.00
978	2.800	30.00	0.0	0.0	0.0	5.11	3.83	0.00	3.83	0.00	0.57	0.03	0.00	0.60	0.00	13.8	0.0	0.	0.00
979	2.700	30.00	0.0	0.0	0.0	5.12	3.77	0.00	3.77	0.00	0.57	0.03	0.00	0.60	0.00	14.7	0.0	0.	0.00
980	2.600	30.00	0.0	0.0	0.0	5.12	3.72	0.00	3.72	0.00	0.57	0.03	0.00	0.60	0.00	15.5	0.0	0.	0.00
981	2.500	30.00	0.0	0.0	0.0	5.13	3.67	0.00	3.67	0.00	0.57	0.03	0.00	0.60	0.00	16.4	0.0	0.	0.00
982	2.400	30.00	0.0	0.0	0.0	5.14	3.61	0.00	3.61	0.00	0.57	0.03	0.00	0.60	0.00	17.3	0.0	0.	0.00
983	2.300	30.00	0.0	0.0	0.0	5.16	3.56	0.00	3.56	0.00	0.57	0.03	0.00	0.60	0.00	18.1	0.0	0.	0.00
984	2.200	30.00	0.0	0.0	0.0	5.17	3.51	0.00	3.51	0.00	0.57	0.03	0.00	0.60	0.00	19.0	0.0	0.	0.00
985	2.100	30.00	0.0	0.0	0.0	5.19	3.46	0.00	3.46	0.00	0.57	0.03	0.00	0.60	0.00	19.9	0.0	0.	0.00
986	2.000	30.00	0.0	0.0	0.0	5.21	3.42	0.00	3.42	0.00	0.57	0.03	0.00	0.60	0.00	20.7	0.0	0.	0.00
987	1.900	30.00	0.0	0.0	0.0	5.23	3.37	0.00	3.37	0.00	0.57	0.03	0.00	0.60	0.00	21.6	0.0	0.	0.00
988	1.800	30.00	0.0	0.0	0.0	5.26	3.32	0.00	3.32	0.00	0.57	0.03	0.00	0.60	0.00	22.5	0.0	0.	0.00
989	1.700	30.00	0.0	0.0	0.0	5.28	3.27	0.00	3.27	0.00	0.57	0.03	0.00	0.60	0.00	23.3	0.0	0.	0.00
990	1.600	30.00	0.0	0.0	0.0	5.31	3.23	0.00	3.23	0.00	0.57	0.03	0.00	0.60	0.00	24.2	0.0	0.	0.00
991	1.500	30.00	0.0	0.0	0.0	5.34	3.18	0.00	3.18	0.00	0.57	0.03	0.00	0.60	0.00	25.0	0.0	0.	0.00
992	1.400	30.00	0.0	0.0	0.0	5.37	3.14	0.00	3.14	0.00	0.57	0.03	0.00	0.60	0.00	25.9	0.0	0.	0.00
993	1.300	30.00	0.0	0.0	0.0	5.40	3.09	0.00	3.09	0.00	0.57	0.03	0.00	0.60	0.00	26.8	0.0	0.	0.00
994	1.200	30.00	0.0	0.0	0.0	5.43	3.05	0.00	3.05	0.00	0.57	0.03	0.00	0.60	0.00	27.6	0.0	0.	0.00
995	1.100	30.00	0.0	0.0	0.0	5.47	3.01	0.00	3.01	0.00	0.57	0.03	0.00	0.60	0.00	28.5	0.0	0.	0.00
996	1.000	30.00	0.0	0.0	0.0	5.50	2.96	0.00	2.96	0.00	0.57	0.03	0.00	0.61	0.00	29.4	0.0	0.	0.00
997	0.900	30.00	0.0	0.0	0.0	5.54	2.92	0.00	2.92	0.00	0.57	0.03	0.00	0.61	0.00	30.2	0.0	0.	0.00
998	0.800	30.00	0.0	0.0	0.0	5.58	2.88	0.00	2.88	0.00	0.57	0.03	0.00	0.61	0.00	31.1	0.0	0.	0.00
999	0.700	30.00	0.0	0.0	0.0	5.62	2.84	0.00	2.84	0.00	0.58	0.03	0.00	0.61	0.00	32.0	0.0	0.	0.00

1000	0.600	30.00	0.0	0.0	0.0	5.66	2.80	0.00	2.80	0.00	0.58	0.03	0.00	0.61	0.00	32.8	0.0	0.	0.00
1001	0.500	30.00	0.0	0.0	0.0	5.70	2.76	0.00	2.76	0.00	0.58	0.03	0.00	0.61	0.00	33.7	0.0	0.	0.00
1002	0.400	30.00	0.0	0.0	0.0	5.74	2.72	0.00	2.72	0.00	0.58	0.03	0.00	0.61	0.00	34.5	0.0	0.	0.00
1003	0.300	30.00	0.0	0.0	0.0	5.78	2.68	0.00	2.68	0.00	0.58	0.03	0.00	0.61	0.00	35.4	0.0	0.	0.00
1004	0.200	30.00	0.0	0.0	0.0	5.83	2.65	0.00	2.65	0.00	0.58	0.03	0.00	0.61	0.00	36.3	0.0	0.	0.00
1005	0.100	30.00	0.0	0.0	0.0	5.87	2.61	0.00	2.61	0.00	0.58	0.03	0.00	0.61	0.00	37.1	0.0	0.	0.00
1006	0.000	30.00	0.0	0.0	0.0	5.92	2.57	0.00	2.57	0.00	0.58	0.03	0.00	0.61	0.00	38.0	0.0	0.	0.00

SPECIAL REPORT: Bayou Cholpe #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT 1/da	BOD#2 DECAY 1/da	ABOD#2 SOD *	FULL SOD *	CORR DECAY 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
1	55.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	55.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	55.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	55.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	55.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	55.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	54.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	54.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	54.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	54.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	54.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	54.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	54.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	54.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	54.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	54.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	53.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	53.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	53.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	53.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	53.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	53.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	53.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	53.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	53.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	53.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	52.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	52.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	52.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	52.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	52.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	52.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	52.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	52.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

35	52.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	52.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	51.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	51.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	51.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	51.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	51.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	51.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	51.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	51.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	51.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	51.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	50.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	50.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	50.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	50.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	50.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	50.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	50.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	50.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	50.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	50.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	49.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	49.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	49.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	49.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	49.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	49.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	49.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	49.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	49.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	49.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	48.900	7.56	0.85	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	48.800	7.56	0.86	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	48.700	7.56	0.87	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	48.600	7.56	0.87	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	48.500	7.56	0.88	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	48.400	7.56	0.89	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	48.300	7.56	0.90	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	48.200	7.56	0.90	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	48.100	7.56	0.91	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	48.000	7.56	0.92	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	47.900	7.56	0.93	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	47.800	7.56	0.93	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	47.700	7.56	0.94	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	47.600	7.56	0.95	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	47.500	7.56	0.96	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	47.400	7.56	0.96	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	47.300	7.56	0.97	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	47.200	7.56	0.98	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

85	47.100	7.56	0.98	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	47.000	7.56	0.99	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	46.900	7.56	1.00	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	46.800	7.56	1.01	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	46.700	7.56	1.01	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	46.600	7.56	1.02	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	46.500	7.56	1.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	46.400	7.56	1.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	46.300	7.56	1.04	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	46.200	7.56	1.05	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	46.100	7.56	1.05	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	46.000	7.56	1.06	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	45.900	7.56	1.07	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	45.800	7.56	1.07	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	45.700	7.56	1.08	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	45.600	7.56	1.08	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	45.500	7.56	1.09	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	45.400	7.56	1.10	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	45.300	7.56	1.10	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	45.200	7.56	1.11	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	45.100	7.56	1.12	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	45.000	7.56	1.12	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	44.900	7.56	1.13	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	44.800	7.56	1.13	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	44.700	7.56	1.14	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	44.600	7.56	1.15	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	44.500	7.56	1.15	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	44.400	7.56	1.16	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	44.300	7.56	1.16	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	44.200	7.56	1.17	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	44.100	7.56	1.18	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	44.000	7.56	1.18	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	43.900	7.56	1.19	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	43.800	7.56	1.19	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	43.700	7.56	1.20	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	43.600	7.56	1.20	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	43.500	7.56	1.21	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	43.400	7.56	1.22	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	43.300	7.56	1.22	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	43.200	7.56	1.23	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	43.100	7.56	1.23	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
229	43.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
230	42.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
231	42.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
232	42.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
233	42.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
234	42.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
235	42.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
236	42.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
237	42.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00

238	42.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
239	42.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
240	41.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
241	41.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
242	41.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
243	41.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
244	41.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
245	41.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00
246	41.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
247	41.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
248	41.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
249	41.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
250	40.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
251	40.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
252	40.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
253	40.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
254	40.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
255	40.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
256	40.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00
257	40.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00
258	40.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
259	40.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.77	0.00	0.00	0.00	0.00
260	39.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.89	0.00	0.00	0.00	0.00
261	39.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
262	39.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
263	39.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00
264	39.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
265	39.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.49	0.00	0.00	0.00	0.00
266	39.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00
267	39.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
268	39.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
269	39.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.98	0.00	0.00	0.00	0.00
270	38.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
271	38.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00
347	38.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.15	0.00	0.00	0.00	0.00
348	38.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00
349	38.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.01	0.00	0.00	0.00	0.00
350	38.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00
351	38.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.87	0.00	0.00	0.00	0.00
352	38.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.79	0.00	0.00	0.00	0.00
353	38.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.72	0.00	0.00	0.00	0.00
354	38.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00
355	37.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.58	0.00	0.00	0.00	0.00
356	37.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00
357	37.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
358	37.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
359	37.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.00
360	37.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.00
361	37.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00
362	37.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.08	0.00	0.00	0.00	0.00

363	37.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
364	37.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.94	0.00	0.00	0.00	0.00
365	36.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
366	36.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00
367	36.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
368	36.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
369	36.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
370	36.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
371	36.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
372	36.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
373	36.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
374	36.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.22	0.00	0.00	0.00	0.00
375	35.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.15	0.00	0.00	0.00	0.00
376	35.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
377	35.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
378	35.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
379	35.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
380	35.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
381	35.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
382	35.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
383	35.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
384	35.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00
385	34.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
386	34.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
387	34.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
388	34.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
389	34.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
390	34.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
391	34.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
392	34.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
393	34.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
394	34.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
395	33.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
396	33.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
397	33.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
398	33.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
399	33.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
400	33.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
401	33.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
402	33.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
403	33.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
404	33.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
405	32.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
406	32.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
407	32.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
408	32.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00
409	32.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
410	32.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00
411	32.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
412	32.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00

413	32.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00
414	32.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
415	31.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
416	31.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
417	31.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
418	31.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
419	31.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
554	31.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
555	31.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
556	31.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557	31.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
558	31.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
559	30.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	30.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561	30.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
562	30.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
563	30.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
564	30.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
565	30.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566	30.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
567	30.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
568	30.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569	29.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
570	29.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
571	29.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572	29.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
573	29.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
574	29.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	29.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
576	29.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577	29.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
578	29.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
579	28.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
580	28.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
581	28.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582	28.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
583	28.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
584	28.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
585	28.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
586	28.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587	28.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
588	28.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
589	27.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
590	27.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591	27.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
592	27.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
593	27.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
594	27.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
595	27.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
596	27.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

597	27.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598	27.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599	26.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	26.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
601	26.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
602	26.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
603	26.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604	26.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	26.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
606	26.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
607	26.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608	26.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
609	25.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
610	25.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
611	25.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612	25.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
613	25.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
614	25.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
615	25.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
616	25.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
617	25.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
618	25.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
619	24.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
620	24.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
621	24.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
622	24.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
623	24.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
624	24.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
625	24.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
626	24.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
627	24.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
628	24.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
629	23.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	23.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
631	23.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
632	23.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
633	23.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
634	23.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	23.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
636	23.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
637	23.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
638	23.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
639	22.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
640	22.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
641	22.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
642	22.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
643	22.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
644	22.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
645	22.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
646	22.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

647	22.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
648	22.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
649	21.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
650	21.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
651	21.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
652	21.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
653	21.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
654	21.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
655	21.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
656	21.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
657	21.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
658	21.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
659	20.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	20.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
661	20.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
662	20.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
663	20.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
664	20.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	20.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
666	20.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
667	20.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
668	20.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
669	19.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	19.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
671	19.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
672	19.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
673	19.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
674	19.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
675	19.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
676	19.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677	19.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	19.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
679	18.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
680	18.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
681	18.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
682	18.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
683	18.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
684	18.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
685	18.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
686	18.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
687	18.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
688	18.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
689	17.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	17.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	17.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	17.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	17.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	17.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	17.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
696	17.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

697	17.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
698	17.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	16.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	16.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
701	16.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
702	16.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703	16.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
704	16.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
705	16.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706	16.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
707	16.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
708	16.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
709	15.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
829	15.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
830	15.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
831	15.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
832	15.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
833	15.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
834	15.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	15.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
836	15.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
837	15.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
838	14.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
839	14.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	14.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
841	14.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
842	14.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
843	14.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
844	14.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
845	14.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
846	14.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	14.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
848	13.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
849	13.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	13.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
851	13.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
852	13.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
853	13.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
854	13.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
855	13.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856	13.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857	13.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
858	12.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859	12.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	12.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861	12.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862	12.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
863	12.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864	12.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
865	12.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

866	12.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
867	12.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
868	11.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
869	11.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
870	11.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
871	11.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872	11.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
873	11.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
874	11.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
875	11.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
876	11.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
877	11.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878	10.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1047	10.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1048	10.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1049	10.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1050	10.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1051	10.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1052	10.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1053	10.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1054	10.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1055	10.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1056	9.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1057	9.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1058	9.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1059	9.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1060	9.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1061	9.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1062	9.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1063	9.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1064	9.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1065	9.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1066	8.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1067	8.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1068	8.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1069	8.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1070	8.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1071	8.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1072	8.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1073	8.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1074	8.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1075	8.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1076	7.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1077	7.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1078	7.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1079	7.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1080	7.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1081	7.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1082	7.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1083	7.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1084	7.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1085	7.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1086	6.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1087	6.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1088	6.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1089	6.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1090	6.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1091	6.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1092	6.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1093	6.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1094	6.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1095	6.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1096	5.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1097	5.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1098	5.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1099	5.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100	5.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1101	5.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1102	5.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1103	5.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1104	5.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1105	5.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1106	4.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1107	4.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1108	4.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1109	4.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1110	4.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1111	4.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1112	4.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1113	4.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1114	4.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1115	4.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1116	3.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1117	3.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1118	3.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1119	3.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1120	3.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1121	3.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1122	3.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1123	3.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1124	3.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1125	3.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1126	2.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1127	2.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1128	2.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1129	2.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1130	2.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1131	2.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1132	2.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1133	2.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1134	2.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1135	2.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1136	1.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1137	1.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1138	1.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1139	1.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1140	1.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1141	1.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1142	1.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1143	1.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1144	1.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1145	1.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1146	0.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1147	0.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1148	0.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1149	0.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1150	0.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1151	0.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1152	0.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1153	0.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1154	0.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1155	0.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Poydras #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT 1/da	BOD#2 DECAY 1/da	ABOD#2 SOD *	FULL SOD *	CORR DECAY 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
126	10.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	10.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	10.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	9.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	9.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	9.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	9.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	9.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	9.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	9.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	9.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	9.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	9.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	8.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	8.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	8.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	8.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	8.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

145	8.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	8.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	8.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	8.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	7.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	7.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	7.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	7.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	7.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	7.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	7.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	7.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	7.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	7.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	6.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	6.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	6.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	6.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	6.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	6.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	6.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	6.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	6.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	6.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	5.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	5.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	5.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	5.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	5.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	5.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	5.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	5.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	5.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	5.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	4.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	4.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	4.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	4.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
183	4.500	7.56	5.47	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184	4.400	7.56	5.47	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	4.300	7.56	5.48	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
186	4.200	7.56	5.49	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187	4.100	7.56	5.50	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
188	4.000	7.56	5.51	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	3.900	7.56	5.52	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	3.800	7.56	5.53	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191	3.700	7.56	5.54	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192	3.600	7.56	5.54	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193	3.500	7.56	5.55	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194	3.400	7.56	5.56	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

195	3.300	7.56	5.57	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	3.200	7.56	5.58	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	3.100	7.56	5.58	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	3.000	7.56	5.59	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	2.900	7.56	5.60	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	2.800	7.56	5.61	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	2.700	7.56	5.61	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	2.600	7.56	5.62	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	2.500	7.56	5.63	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	2.400	7.56	5.64	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	2.300	7.56	5.65	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	2.200	7.56	5.65	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	2.100	7.56	5.66	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	2.000	7.56	5.67	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
209	1.900	7.56	5.68	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	1.800	7.56	5.69	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	1.700	7.56	5.69	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	1.600	7.56	5.70	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	1.500	7.56	5.71	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	1.400	7.56	5.72	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	1.300	7.56	5.72	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	1.200	7.56	5.73	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	1.100	7.56	5.74	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	1.000	7.56	5.75	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	0.900	7.56	5.75	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	0.800	7.56	5.76	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	0.700	7.56	5.77	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	0.600	7.56	5.78	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	0.500	7.56	5.79	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
224	0.400	7.56	5.79	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.300	7.56	5.80	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	0.200	7.56	5.81	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	0.100	7.56	5.82	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
228	0.000	7.56	5.82	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Chamberlin Canal #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	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 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
272	7.400	7.56	8.42	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	7.300	7.56	8.42	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	7.200	7.56	8.44	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	7.100	7.56	8.73	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	7.000	7.56	9.02	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	6.900	7.56	9.30	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	6.800	7.56	9.57	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

279	6.700	7.56	9.83	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	6.600	7.56	10.08	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	6.500	7.56	10.33	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	6.400	7.56	10.58	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	6.300	7.56	10.81	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	6.200	7.56	11.05	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	6.100	7.56	11.27	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	6.000	7.56	11.50	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287	5.900	7.56	11.72	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
288	5.800	7.56	11.93	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
289	5.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
290	5.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
291	5.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292	5.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
293	5.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
294	5.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	5.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	5.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
297	4.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
298	4.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	4.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	4.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
301	4.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	4.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
303	4.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	4.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	4.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
306	4.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
307	3.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00
308	3.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
309	3.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
310	3.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
311	3.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
312	3.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
313	3.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
314	3.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
315	3.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
316	3.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
317	2.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
318	2.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
319	2.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
320	2.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
321	2.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
322	2.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
323	2.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
324	2.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.49	0.00	0.00	0.00	0.00
325	2.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
326	2.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
327	1.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
328	1.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00

329	1.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00
330	1.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00
331	1.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
332	1.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.48	0.00	0.00	0.00	0.00
333	1.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.61	0.00	0.00	0.00	0.00
334	1.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00
335	1.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
336	1.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00
337	0.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.10	0.00	0.00	0.00	0.00
338	0.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
339	0.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.35	0.00	0.00	0.00	0.00
340	0.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
341	0.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
342	0.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
343	0.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
344	0.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.97	0.00	0.00	0.00	0.00
345	0.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
346	0.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00

SPECIAL REPORT: Intracoastal Waterwa
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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 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	NCM SETT
420	13.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
421	13.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
422	13.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
423	13.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
424	12.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	12.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
426	12.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
427	12.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
428	12.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
429	12.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	12.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
431	12.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
432	12.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
433	12.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
434	11.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
435	11.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
436	11.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
437	11.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
438	11.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
439	11.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
440	11.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
441	11.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
442	11.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

443	11.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	10.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
445	10.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
446	10.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
447	10.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
448	10.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449	10.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450	10.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
451	10.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
452	10.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
453	10.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
454	9.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	9.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
456	9.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
457	9.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
458	9.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
459	9.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	9.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
461	9.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
462	9.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
463	9.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
464	8.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
465	8.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466	8.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
467	8.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
468	8.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
469	8.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	8.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471	8.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
472	8.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
473	8.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
474	7.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
475	7.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
476	7.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
477	7.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
478	7.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
479	7.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
480	7.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
481	7.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
482	7.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
483	7.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484	6.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	6.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
486	6.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
487	6.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
488	6.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
489	6.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
490	6.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
491	6.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
492	6.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

493	6.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
494	5.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
495	5.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
496	5.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
497	5.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
498	5.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	5.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	5.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
501	5.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502	5.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
503	5.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
504	4.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
505	4.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
506	4.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
507	4.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
508	4.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
509	4.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510	4.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
511	4.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
512	4.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
513	4.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
514	3.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	3.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
516	3.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
517	3.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
518	3.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
519	3.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	3.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521	3.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
522	3.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
523	3.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
524	2.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
525	2.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526	2.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527	2.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
528	2.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
529	2.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	2.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
531	2.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532	2.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
533	2.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534	1.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535	1.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
536	1.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
537	1.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
538	1.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
539	1.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	1.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541	1.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
542	1.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

SPECIAL REPORT: Bayou Plaquemine
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST 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 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
710	11.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.55	0.00	0.00	0.00	0.00
711	11.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00
712	11.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.47	0.00	0.00	0.00	0.00
713	11.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00
714	11.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00
715	11.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00
716	11.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.32	0.00	0.00	0.00	0.00
717	11.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00
718	11.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.24	0.00	0.00	0.00	0.00
719	10.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00
720	10.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00
721	10.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
722	10.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00
723	10.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.05	0.00	0.00	0.00	0.00
724	10.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
725	10.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00
726	10.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00
727	10.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.90	0.00	0.00	0.00	0.00
728	10.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
729	9.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00
730	9.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.78	0.00	0.00	0.00	0.00
731	9.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.00
732	9.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00
733	9.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.66	0.00	0.00	0.00	0.00
734	9.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.63	0.00	0.00	0.00	0.00
735	9.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.59	0.00	0.00	0.00	0.00
736	9.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.55	0.00	0.00	0.00	0.00
737	9.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
738	9.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.47	0.00	0.00	0.00	0.00
739	8.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00

740	8.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.39	0.00	0.00	0.00	0.00
741	8.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
742	8.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00
743	8.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
744	8.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00
745	8.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00
746	8.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
747	8.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00
748	8.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00
749	7.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00
750	7.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
751	7.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
752	7.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
753	7.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
754	7.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
755	7.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
756	7.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
757	7.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
758	7.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
759	6.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
760	6.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
761	6.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
762	6.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
763	6.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00
764	6.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00
765	6.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
766	6.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
767	6.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00
768	6.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
769	5.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.28	0.00	0.00	0.00	0.00
770	5.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
771	5.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
772	5.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
773	5.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
774	5.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
775	5.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
776	5.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
777	5.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
778	5.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
779	4.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
780	4.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
781	4.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
782	4.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
783	4.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
784	4.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
785	4.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
786	4.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
787	4.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
788	4.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
789	3.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00

790	3.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
791	3.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
792	3.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
793	3.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
794	3.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
795	3.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
796	3.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
797	3.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
798	3.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
799	2.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
800	2.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
801	2.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
802	2.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
803	2.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
804	2.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
805	2.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
806	2.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
807	2.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00
808	2.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00
809	1.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
810	1.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00
811	1.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00
812	1.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
813	1.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
814	1.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
815	1.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
816	1.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00
817	1.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00
818	1.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
819	0.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
820	0.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
821	0.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
822	0.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
823	0.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00
824	0.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
825	0.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
826	0.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
827	0.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
828	0.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Upper Grand River #1
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	BOD#1 DECAY 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT *	BOD#2 DECAY *	BOD#2 DECAY 1/da	ABOD#2 SOD 1/da	FULL SOD *	CORR DECAY 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD	PO4 PROD	ALG DECAY	MAC DECAY	COLI DECAY	NCM SETT	NCM
879	12.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00			
880	12.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00			

881	12.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
882	12.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
883	11.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
884	11.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
885	11.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
886	11.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
887	11.500	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
888	11.400	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
889	11.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
890	11.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
891	11.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
892	11.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
893	10.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
894	10.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
895	10.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
896	10.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
897	10.500	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.64	0.00	0.00	0.00	0.00
898	10.400	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
899	10.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
900	10.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
901	10.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
902	10.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
903	9.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
904	9.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.68	0.00	0.00	0.00	0.00
905	9.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
906	9.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
907	9.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
908	9.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
909	9.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
910	9.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
911	9.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
912	9.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
913	8.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
914	8.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
915	8.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
916	8.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
917	8.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
918	8.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
919	8.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
920	8.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.77	0.00	0.00	0.00	0.00
921	8.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
922	8.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
923	7.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
924	7.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
925	7.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
926	7.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
927	7.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00
928	7.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
929	7.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
930	7.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00

931	7.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00
932	7.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
933	6.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
934	6.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
935	6.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
936	6.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
937	6.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
938	6.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
939	6.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
940	6.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
941	6.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
942	6.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
943	5.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
944	5.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
945	5.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
946	5.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
947	5.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
948	5.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
949	5.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
950	5.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
951	5.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
952	5.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
953	4.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
954	4.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
955	4.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
956	4.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
957	4.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
958	4.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
959	4.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00
960	4.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
961	4.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
962	4.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
1007	3.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
1008	3.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
1009	3.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
1010	3.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
1011	3.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
1012	3.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
1013	3.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00
1014	3.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00
1015	3.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00
1016	3.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
1017	2.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
1018	2.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
1019	2.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
1020	2.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
1021	2.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
1022	2.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
1023	2.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
1024	2.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00

1025	2.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
1026	2.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
1027	1.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
1028	1.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
1029	1.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
1030	1.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
1031	1.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
1032	1.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
1033	1.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
1034	1.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
1035	1.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
1036	1.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
1037	0.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
1038	0.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00
1039	0.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
1040	0.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
1041	0.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
1042	0.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
1043	0.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
1044	0.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
1045	0.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
1046	0.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SPECIAL REPORT: Lower Flat River
BIOLOGICAL AND PHYSICAL COEFFICIENTS

ELEM NO.	ENDING DIST km	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#1 SETT 1/da	BOD#2 DECAY 1/da	ABOD#2 SOD *	FULL SOD *	CORR DECAY 1/da	ORG-N SETT *	ORG-N DECAY **	NH3 SRCE **	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT	NCM
963	4.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
964	4.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
965	4.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
966	4.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
967	3.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
968	3.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00
969	3.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00
970	3.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00
971	3.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
972	3.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
973	3.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
974	3.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00
975	3.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
976	3.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
977	2.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
978	2.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
979	2.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
980	2.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
981	2.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00

982	2.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
983	2.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
984	2.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
985	2.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
986	2.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
987	1.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
988	1.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
989	1.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
990	1.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
991	1.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
992	1.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
993	1.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
994	1.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
995	1.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
996	1.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.32	0.00	0.00	0.00	0.00
997	0.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
998	0.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.46	0.00	0.00	0.00	0.00
999	0.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.53	0.00	0.00	0.00	0.00
1000	0.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
1001	0.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
1002	0.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
1003	0.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
1004	0.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
1005	0.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
1006	0.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00

SPECIAL REPORT: Bayou Cholpe #1
HYDRAULIC PARAMETER VALUES

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	ADVCTV VELO m/s	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
1	55.60	55.50	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
2	55.50	55.40	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
3	55.40	55.30	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
4	55.30	55.20	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
5	55.20	55.10	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
6	55.10	55.00	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
7	55.00	54.90	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
8	54.90	54.80	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
9	54.80	54.70	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
10	54.70	54.60	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
11	54.60	54.50	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
12	54.50	54.40	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
13	54.40	54.30	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
14	54.30	54.20	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
15	54.20	54.10	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
16	54.10	54.00	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379

17	54.00	53.90	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
18	53.90	53.80	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
19	53.80	53.70	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
20	53.70	53.60	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
21	53.60	53.50	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
22	53.50	53.40	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
23	53.40	53.30	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
24	53.30	53.20	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
25	53.20	53.10	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
26	53.10	53.00	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
27	53.00	52.90	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
28	52.90	52.80	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
29	52.80	52.70	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
30	52.70	52.60	0.0949	0.379	0.25	1.0	25.	100.0	0.2	0.	0.000	0.000	0.379
31	52.60	52.50	0.1010	0.010	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.010
32	52.50	52.40	0.1072	0.011	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.011
33	52.40	52.30	0.1133	0.011	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.011
34	52.30	52.20	0.1195	0.012	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.012
35	52.20	52.10	0.1256	0.013	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.013
36	52.10	52.00	0.1318	0.013	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.013
37	52.00	51.90	0.1379	0.014	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.014
38	51.90	51.80	0.1441	0.014	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.014
39	51.80	51.70	0.1502	0.015	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.015
40	51.70	51.60	0.1564	0.016	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.016
41	51.60	51.50	0.1626	0.016	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.016
42	51.50	51.40	0.1687	0.017	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.017
43	51.40	51.30	0.1749	0.017	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.017
44	51.30	51.20	0.1810	0.018	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.018
45	51.20	51.10	0.1872	0.019	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.019
46	51.10	51.00	0.1933	0.019	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.019
47	51.00	50.90	0.1995	0.020	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.020
48	50.90	50.80	0.2056	0.021	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.021
49	50.80	50.70	0.2118	0.021	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.021
50	50.70	50.60	0.2179	0.022	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.022
51	50.60	50.50	0.2241	0.022	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.022
52	50.50	50.40	0.2303	0.023	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.023
53	50.40	50.30	0.2364	0.024	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.024
54	50.30	50.20	0.2426	0.024	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.024
55	50.20	50.10	0.2487	0.025	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.025
56	50.10	50.00	0.2549	0.025	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.025
57	50.00	49.90	0.2610	0.026	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.026
58	49.90	49.80	0.2672	0.027	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.027
59	49.80	49.70	0.2733	0.027	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.027
60	49.70	49.60	0.2795	0.028	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.028
61	49.60	49.50	0.2856	0.029	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.029
62	49.50	49.40	0.2918	0.029	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.029
63	49.40	49.30	0.2980	0.030	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.030
64	49.30	49.20	0.3041	0.030	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.030
65	49.20	49.10	0.3103	0.031	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.031
66	49.10	49.00	0.3164	0.032	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.032

67	49.00	48.90	0.3226	0.032	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.032
68	48.90	48.80	0.3287	0.033	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.033
69	48.80	48.70	0.3349	0.033	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.033
70	48.70	48.60	0.3410	0.034	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.034
71	48.60	48.50	0.3472	0.035	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.035
72	48.50	48.40	0.3533	0.035	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.035
73	48.40	48.30	0.3595	0.036	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.036
74	48.30	48.20	0.3657	0.037	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.037
75	48.20	48.10	0.3718	0.037	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.037
76	48.10	48.00	0.3780	0.038	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.038
77	48.00	47.90	0.3841	0.038	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.038
78	47.90	47.80	0.3903	0.039	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.039
79	47.80	47.70	0.3964	0.040	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.040
80	47.70	47.60	0.4026	0.040	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.040
81	47.60	47.50	0.4087	0.041	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.041
82	47.50	47.40	0.4149	0.041	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.041
83	47.40	47.30	0.4211	0.042	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.042
84	47.30	47.20	0.4272	0.043	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.043
85	47.20	47.10	0.4334	0.043	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.043
86	47.10	47.00	0.4395	0.044	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.044
87	47.00	46.90	0.4457	0.045	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.045
88	46.90	46.80	0.4518	0.045	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.045
89	46.80	46.70	0.4580	0.046	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.046
90	46.70	46.60	0.4641	0.046	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.046
91	46.60	46.50	0.4703	0.047	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.047
92	46.50	46.40	0.4764	0.048	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.048
93	46.40	46.30	0.4826	0.048	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.048
94	46.30	46.20	0.4888	0.049	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.049
95	46.20	46.10	0.4949	0.049	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.049
96	46.10	46.00	0.5011	0.050	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.050
97	46.00	45.90	0.5072	0.051	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.051
98	45.90	45.80	0.5134	0.051	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.051
99	45.80	45.70	0.5195	0.052	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.052
100	45.70	45.60	0.5257	0.053	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.053
101	45.60	45.50	0.5318	0.053	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.053
102	45.50	45.40	0.5380	0.054	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.054
103	45.40	45.30	0.5441	0.054	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.054
104	45.30	45.20	0.5503	0.055	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.055
105	45.20	45.10	0.5565	0.056	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.056
106	45.10	45.00	0.5626	0.056	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.056
107	45.00	44.90	0.5688	0.057	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.057
108	44.90	44.80	0.5749	0.057	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.057
109	44.80	44.70	0.5811	0.058	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.058
110	44.70	44.60	0.5872	0.059	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.059
111	44.60	44.50	0.5934	0.059	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.059
112	44.50	44.40	0.5995	0.060	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.060
113	44.40	44.30	0.6057	0.061	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.061
114	44.30	44.20	0.6118	0.061	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.061
115	44.20	44.10	0.6180	0.062	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.062
116	44.10	44.00	0.6242	0.062	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.062

117	44.00	43.90	0.6303	0.063	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.063
118	43.90	43.80	0.6365	0.064	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.064
119	43.80	43.70	0.6426	0.064	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.064
120	43.70	43.60	0.6488	0.065	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.065
121	43.60	43.50	0.6549	0.065	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.065
122	43.50	43.40	0.6611	0.066	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.066
123	43.40	43.30	0.6672	0.067	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.067
124	43.30	43.20	0.6734	0.067	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.067
125	43.20	43.10	0.6795	0.068	1.00	10.0	1000.	1000.0	10.0	0.	0.000	0.000	0.068
229	43.10	43.00	2.2515	0.028	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.028
230	43.00	42.90	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
231	42.90	42.80	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
232	42.80	42.70	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
233	42.70	42.60	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
234	42.60	42.50	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
235	42.50	42.40	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
236	42.40	42.30	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
237	42.30	42.20	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
238	42.20	42.10	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
239	42.10	42.00	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
240	42.00	41.90	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
241	41.90	41.80	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
242	41.80	41.70	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
243	41.70	41.60	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
244	41.60	41.50	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
245	41.50	41.40	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
246	41.40	41.30	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
247	41.30	41.20	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
248	41.20	41.10	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
249	41.10	41.00	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
250	41.00	40.90	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
251	40.90	40.80	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
252	40.80	40.70	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
253	40.70	40.60	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
254	40.60	40.50	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
255	40.50	40.40	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
256	40.40	40.30	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
257	40.30	40.20	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
258	40.20	40.10	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
259	40.10	40.00	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
260	40.00	39.90	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
261	39.90	39.80	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
262	39.80	39.70	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
263	39.70	39.60	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
264	39.60	39.50	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
265	39.50	39.40	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
266	39.40	39.30	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
267	39.30	39.20	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
268	39.20	39.10	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
269	39.10	39.00	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032

270	39.00	38.90	2.6309	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
271	38.90	38.80	2.6311	0.032	2.40	34.0	8160.	3400.0	81.6	0.	0.000	0.000	0.032
347	38.80	38.70	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
348	38.70	38.60	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
349	38.60	38.50	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
350	38.50	38.40	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
351	38.40	38.30	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
352	38.30	38.20	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
353	38.20	38.10	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
354	38.10	38.00	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
355	38.00	37.90	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
356	37.90	37.80	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
357	37.80	37.70	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
358	37.70	37.60	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
359	37.60	37.50	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
360	37.50	37.40	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
361	37.40	37.30	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
362	37.30	37.20	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
363	37.20	37.10	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
364	37.10	37.00	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
365	37.00	36.90	2.6403	0.020	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.020
366	36.90	36.80	2.8753	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
367	36.80	36.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
368	36.70	36.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
369	36.60	36.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
370	36.50	36.40	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
371	36.40	36.30	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
372	36.30	36.20	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
373	36.20	36.10	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
374	36.10	36.00	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
375	36.00	35.90	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
376	35.90	35.80	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
377	35.80	35.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
378	35.70	35.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
379	35.60	35.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
380	35.50	35.40	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
381	35.40	35.30	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
382	35.30	35.20	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
383	35.20	35.10	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
384	35.10	35.00	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
385	35.00	34.90	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
386	34.90	34.80	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
387	34.80	34.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
388	34.70	34.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
389	34.60	34.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
390	34.50	34.40	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
391	34.40	34.30	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
392	34.30	34.20	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
393	34.20	34.10	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
394	34.10	34.00	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022

395	34.00	33.90	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
396	33.90	33.80	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
397	33.80	33.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
398	33.70	33.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
399	33.60	33.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
400	33.50	33.40	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
401	33.40	33.30	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
402	33.30	33.20	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
403	33.20	33.10	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
404	33.10	33.00	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
405	33.00	32.90	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
406	32.90	32.80	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
407	32.80	32.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
408	32.70	32.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
409	32.60	32.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
410	32.50	32.40	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
411	32.40	32.30	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
412	32.30	32.20	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
413	32.20	32.10	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
414	32.10	32.00	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
415	32.00	31.90	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
416	31.90	31.80	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
417	31.80	31.70	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
418	31.70	31.60	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
419	31.60	31.50	2.8941	0.022	2.80	47.0	13160.	4700.0	131.6	0.	0.000	0.000	0.022
554	31.50	31.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
555	31.40	31.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
556	31.30	31.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
557	31.20	31.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
558	31.10	31.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
559	31.00	30.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
560	30.90	30.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
561	30.80	30.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
562	30.70	30.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
563	30.60	30.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
564	30.50	30.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
565	30.40	30.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
566	30.30	30.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
567	30.20	30.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
568	30.10	30.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
569	30.00	29.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
570	29.90	29.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
571	29.80	29.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
572	29.70	29.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
573	29.60	29.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
574	29.50	29.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
575	29.40	29.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
576	29.30	29.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
577	29.20	29.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
578	29.10	29.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046

579	29.00	28.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
580	28.90	28.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
581	28.80	28.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
582	28.70	28.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
583	28.60	28.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
584	28.50	28.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
585	28.40	28.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
586	28.30	28.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
587	28.20	28.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
588	28.10	28.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
589	28.00	27.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
590	27.90	27.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
591	27.80	27.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
592	27.70	27.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
593	27.60	27.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
594	27.50	27.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
595	27.40	27.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
596	27.30	27.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
597	27.20	27.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
598	27.10	27.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
599	27.00	26.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
600	26.90	26.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
601	26.80	26.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
602	26.70	26.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
603	26.60	26.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
604	26.50	26.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
605	26.40	26.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
606	26.30	26.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
607	26.20	26.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
608	26.10	26.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
609	26.00	25.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
610	25.90	25.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
611	25.80	25.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
612	25.70	25.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
613	25.60	25.50	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
614	25.50	25.40	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
615	25.40	25.30	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
616	25.30	25.20	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
617	25.20	25.10	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
618	25.10	25.00	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
619	25.00	24.90	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
620	24.90	24.80	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
621	24.80	24.70	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
622	24.70	24.60	10.4579	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
623	24.60	24.50	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
624	24.50	24.40	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
625	24.40	24.30	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
626	24.30	24.20	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
627	24.20	24.10	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
628	24.10	24.00	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046

629	24.00	23.90	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
630	23.90	23.80	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
631	23.80	23.70	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
632	23.70	23.60	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
633	23.60	23.50	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
634	23.50	23.40	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
635	23.40	23.30	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
636	23.30	23.20	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
637	23.20	23.10	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
638	23.10	23.00	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
639	23.00	22.90	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
640	22.90	22.80	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
641	22.80	22.70	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
642	22.70	22.60	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
643	22.60	22.50	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
644	22.50	22.40	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
645	22.40	22.30	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
646	22.30	22.20	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
647	22.20	22.10	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
648	22.10	22.00	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
649	22.00	21.90	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
650	21.90	21.80	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
651	21.80	21.70	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
652	21.70	21.60	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
653	21.60	21.50	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
654	21.50	21.40	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
655	21.40	21.30	10.4580	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
656	21.30	21.20	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
657	21.20	21.10	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
658	21.10	21.00	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
659	21.00	20.90	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
660	20.90	20.80	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
661	20.80	20.70	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
662	20.70	20.60	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
663	20.60	20.50	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
664	20.50	20.40	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
665	20.40	20.30	10.4581	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
666	20.30	20.20	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
667	20.20	20.10	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
668	20.10	20.00	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
669	20.00	19.90	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
670	19.90	19.80	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
671	19.80	19.70	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
672	19.70	19.60	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
673	19.60	19.50	10.4627	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
674	19.50	19.40	10.4628	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
675	19.40	19.30	10.4628	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
676	19.30	19.20	10.4628	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
677	19.20	19.10	10.4628	0.046	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.046
678	19.10	19.00	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052

679	19.00	18.90	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
680	18.90	18.80	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
681	18.80	18.70	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
682	18.70	18.60	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
683	18.60	18.50	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
684	18.50	18.40	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
685	18.40	18.30	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
686	18.30	18.20	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
687	18.20	18.10	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
688	18.10	18.00	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
689	18.00	17.90	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
690	17.90	17.80	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
691	17.80	17.70	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
692	17.70	17.60	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
693	17.60	17.50	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
694	17.50	17.40	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
695	17.40	17.30	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
696	17.30	17.20	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
697	17.20	17.10	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
698	17.10	17.00	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
699	17.00	16.90	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
700	16.90	16.80	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
701	16.80	16.70	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
702	16.70	16.60	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
703	16.60	16.50	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
704	16.50	16.40	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
705	16.40	16.30	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
706	16.30	16.20	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
707	16.20	16.10	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
708	16.10	16.00	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
709	16.00	15.90	11.8218	0.052	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.052
829	15.90	15.80	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
830	15.80	15.70	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
831	15.70	15.60	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
832	15.60	15.50	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
833	15.50	15.40	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
834	15.40	15.30	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
835	15.30	15.20	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
836	15.20	15.10	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
837	15.10	15.00	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
838	15.00	14.90	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
839	14.90	14.80	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
840	14.80	14.70	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
841	14.70	14.60	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
842	14.60	14.50	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
843	14.50	14.40	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
844	14.40	14.30	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
845	14.30	14.20	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
846	14.20	14.10	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
847	14.10	14.00	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049

848	14.00	13.90	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
849	13.90	13.80	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
850	13.80	13.70	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
851	13.70	13.60	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
852	13.60	13.50	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
853	13.50	13.40	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
854	13.40	13.30	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
855	13.30	13.20	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
856	13.20	13.10	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
857	13.10	13.00	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
858	13.00	12.90	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
859	12.90	12.80	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
860	12.80	12.70	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
861	12.70	12.60	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
862	12.60	12.50	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
863	12.50	12.40	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
864	12.40	12.30	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
865	12.30	12.20	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
866	12.20	12.10	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
867	12.10	12.00	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
868	12.00	11.90	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
869	11.90	11.80	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
870	11.80	11.70	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
871	11.70	11.60	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
872	11.60	11.50	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
873	11.50	11.40	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
874	11.40	11.30	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
875	11.30	11.20	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
876	11.20	11.10	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
877	11.10	11.00	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
878	11.00	10.90	12.6618	0.049	3.20	80.0	25600.	8000.0	256.0	0.	0.000	0.000	0.049
1047	10.90	10.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1048	10.80	10.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1049	10.70	10.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1050	10.60	10.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1051	10.50	10.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1052	10.40	10.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1053	10.30	10.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1054	10.20	10.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1055	10.10	10.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1056	10.00	9.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1057	9.90	9.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1058	9.80	9.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1059	9.70	9.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1060	9.60	9.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1061	9.50	9.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1062	9.40	9.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1063	9.30	9.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1064	9.20	9.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1065	9.10	9.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112

1066	9.00	8.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1067	8.90	8.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1068	8.80	8.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1069	8.70	8.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1070	8.60	8.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1071	8.50	8.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1072	8.40	8.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1073	8.30	8.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1074	8.20	8.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1075	8.10	8.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1076	8.00	7.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1077	7.90	7.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1078	7.80	7.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1079	7.70	7.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1080	7.60	7.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1081	7.50	7.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1082	7.40	7.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1083	7.30	7.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1084	7.20	7.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1085	7.10	7.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1086	7.00	6.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1087	6.90	6.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1088	6.80	6.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1089	6.70	6.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1090	6.60	6.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1091	6.50	6.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1092	6.40	6.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1093	6.30	6.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1094	6.20	6.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1095	6.10	6.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1096	6.00	5.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1097	5.90	5.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1098	5.80	5.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1099	5.70	5.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1100	5.60	5.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1101	5.50	5.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1102	5.40	5.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1103	5.30	5.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1104	5.20	5.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1105	5.10	5.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1106	5.00	4.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1107	4.90	4.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1108	4.80	4.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1109	4.70	4.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1110	4.60	4.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1111	4.50	4.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1112	4.40	4.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1113	4.30	4.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1114	4.20	4.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1115	4.10	4.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112

1116	4.00	3.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1117	3.90	3.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1118	3.80	3.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1119	3.70	3.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1120	3.60	3.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1121	3.50	3.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1122	3.40	3.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1123	3.30	3.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1124	3.20	3.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1125	3.10	3.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1126	3.00	2.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1127	2.90	2.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1128	2.80	2.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1129	2.70	2.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1130	2.60	2.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1131	2.50	2.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1132	2.40	2.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1133	2.30	2.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1134	2.20	2.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1135	2.10	2.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1136	2.00	1.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1137	1.90	1.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1138	1.80	1.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1139	1.70	1.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1140	1.60	1.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1141	1.50	1.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1142	1.40	1.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1143	1.30	1.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1144	1.20	1.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1145	1.10	1.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1146	1.00	0.90	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1147	0.90	0.80	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1148	0.80	0.70	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1149	0.70	0.60	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1150	0.60	0.50	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1151	0.50	0.40	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1152	0.40	0.30	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1153	0.30	0.20	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1154	0.20	0.10	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112
1155	0.10	0.00	19.5401	0.112	2.50	70.0	17500.	7000.0	175.0	0.	0.000	0.000	0.112

SPECIAL REPORT: Bayou Poydras #1
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
126	10.30	10.20	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150

127	10.20	10.10	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
128	10.10	10.00	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
129	10.00	9.90	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
130	9.90	9.80	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
131	9.80	9.70	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
132	9.70	9.60	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
133	9.60	9.50	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
134	9.50	9.40	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
135	9.40	9.30	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
136	9.30	9.20	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
137	9.20	9.10	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
138	9.10	9.00	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
139	9.00	8.90	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
140	8.90	8.80	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
141	8.80	8.70	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
142	8.70	8.60	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
143	8.60	8.50	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
144	8.50	8.40	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
145	8.40	8.30	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
146	8.30	8.20	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
147	8.20	8.10	1.3804	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
148	8.10	8.00	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
149	8.00	7.90	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
150	7.90	7.80	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
151	7.80	7.70	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
152	7.70	7.60	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
153	7.60	7.50	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
154	7.50	7.40	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
155	7.40	7.30	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
156	7.30	7.20	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
157	7.20	7.10	1.3805	1.150	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.150
158	7.10	7.00	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
159	7.00	6.90	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
160	6.90	6.80	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
161	6.80	6.70	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
162	6.70	6.60	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
163	6.60	6.50	1.3808	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
164	6.50	6.40	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
165	6.40	6.30	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
166	6.30	6.20	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
167	6.20	6.10	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
168	6.10	6.00	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
169	6.00	5.90	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
170	5.90	5.80	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
171	5.80	5.70	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
172	5.70	5.60	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
173	5.60	5.50	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
174	5.50	5.40	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
175	5.40	5.30	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
176	5.30	5.20	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151

177	5.20	5.10	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
178	5.10	5.00	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
179	5.00	4.90	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
180	4.90	4.80	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
181	4.80	4.70	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
182	4.70	4.60	1.3809	1.151	0.30	4.0	120.	400.0	1.2	0.	0.000	0.000	1.151
183	4.60	4.50	1.3850	0.289	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.289
184	4.50	4.40	1.3891	0.289	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.289
185	4.40	4.30	1.3932	0.290	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.290
186	4.30	4.20	1.3990	0.291	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.291
187	4.20	4.10	1.4037	0.292	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.292
188	4.10	4.00	1.4078	0.293	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.293
189	4.00	3.90	1.4119	0.294	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.294
190	3.90	3.80	1.4160	0.295	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.295
191	3.80	3.70	1.4201	0.296	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.296
192	3.70	3.60	1.4242	0.297	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.297
193	3.60	3.50	1.4283	0.298	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.298
194	3.50	3.40	1.4324	0.298	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.298
195	3.40	3.30	1.4365	0.299	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.299
196	3.30	3.20	1.4406	0.300	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.300
197	3.20	3.10	1.4447	0.301	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.301
198	3.10	3.00	1.4488	0.302	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.302
199	3.00	2.90	1.4529	0.303	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.303
200	2.90	2.80	1.4570	0.304	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.304
201	2.80	2.70	1.4611	0.304	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.304
202	2.70	2.60	1.4652	0.305	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.305
203	2.60	2.50	1.4693	0.306	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.306
204	2.50	2.40	1.4734	0.307	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.307
205	2.40	2.30	1.4775	0.308	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.308
206	2.30	2.20	1.4816	0.309	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.309
207	2.20	2.10	1.4857	0.310	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.310
208	2.10	2.00	1.4899	0.310	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.310
209	2.00	1.90	1.4940	0.311	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.311
210	1.90	1.80	1.4981	0.312	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.312
211	1.80	1.70	1.5022	0.313	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.313
212	1.70	1.60	1.5063	0.314	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.314
213	1.60	1.50	1.5104	0.315	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.315
214	1.50	1.40	1.5145	0.316	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.316
215	1.40	1.30	1.5186	0.316	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.316
216	1.30	1.20	1.5227	0.317	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.317
217	1.20	1.10	1.5268	0.318	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.318
218	1.10	1.00	1.5309	0.319	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.319
219	1.00	0.90	1.5350	0.320	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.320
220	0.90	0.80	1.5391	0.321	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.321
221	0.80	0.70	1.5432	0.322	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.322
222	0.70	0.60	1.5473	0.322	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.322
223	0.60	0.50	1.5514	0.323	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.323
224	0.50	0.40	1.5555	0.324	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.324
225	0.40	0.30	1.5596	0.325	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.325
226	0.30	0.20	1.5637	0.326	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.326

227	0.20	0.10	1.5678	0.327	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.327
228	0.10	0.00	1.5719	0.327	0.60	8.0	480.	800.0	4.8	0.	0.000	0.000	0.327

SPECIAL REPORT: Chamberlin Canal #1
HYDRAULIC PARAMETER VALUES

ELEM NO.	BEGIN DIST	ENDING DIST	FLOW	ADVCTV VELO	DEPTH	WIDTH	VOLUME	SURFACE AREA	X-SECT AREA	TIDAL PRISM	TIDAL VELO	DISPRSN	MEAN VELO
	km	km	m³/s	m/s	m	m	m³	m²	m²	m³	m/s	m²/s	m/s
272	7.50	7.40	0.0005	0.003	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.003
273	7.40	7.30	0.0006	0.003	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.003
274	7.30	7.20	0.0006	0.003	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.003
275	7.20	7.10	0.0007	0.003	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.003
276	7.10	7.00	0.0007	0.004	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.004
277	7.00	6.90	0.0008	0.004	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.004
278	6.90	6.80	0.0008	0.004	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.004
279	6.80	6.70	0.0009	0.004	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.004
280	6.70	6.60	0.0009	0.005	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.005
281	6.60	6.50	0.0010	0.005	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.005
282	6.50	6.40	0.0010	0.005	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.005
283	6.40	6.30	0.0010	0.005	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.005
284	6.30	6.20	0.0011	0.005	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.005
285	6.20	6.10	0.0011	0.006	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.006
286	6.10	6.00	0.0012	0.006	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.006
287	6.00	5.90	0.0012	0.006	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.006
288	5.90	5.80	0.0013	0.006	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.006
289	5.80	5.70	0.0013	0.007	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.007
290	5.70	5.60	0.0014	0.007	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.007
291	5.60	5.50	0.0014	0.007	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.007
292	5.50	5.40	0.0015	0.007	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.007
293	5.40	5.30	0.0015	0.008	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.008
294	5.30	5.20	0.0015	0.008	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.008
295	5.20	5.10	0.0016	0.008	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.008
296	5.10	5.00	0.0016	0.008	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.008
297	5.00	4.90	0.0017	0.008	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.008
298	4.90	4.80	0.0017	0.009	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.009
299	4.80	4.70	0.0018	0.009	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.009
300	4.70	4.60	0.0018	0.009	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.009
301	4.60	4.50	0.0019	0.009	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.009
302	4.50	4.40	0.0019	0.010	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.010
303	4.40	4.30	0.0020	0.010	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.010
304	4.30	4.20	0.0020	0.010	0.10	2.0	20.	200.0	0.2	0.	0.000	0.000	0.010
305	4.20	4.10	0.0043	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
306	4.10	4.00	0.0044	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
307	4.00	3.90	0.0045	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
308	3.90	3.80	0.0046	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
309	3.80	3.70	0.0047	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
310	3.70	3.60	0.0049	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003

311	3.60	3.50	0.0050	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
312	3.50	3.40	0.0051	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
313	3.40	3.30	0.0052	0.003	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.003
314	3.30	3.20	0.0053	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
315	3.20	3.10	0.0055	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
316	3.10	3.00	0.0056	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
317	3.00	2.90	0.0057	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
318	2.90	2.80	0.0058	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
319	2.80	2.70	0.0059	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
320	2.70	2.60	0.0061	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
321	2.60	2.50	0.0062	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
322	2.50	2.40	0.0063	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
323	2.40	2.30	0.0064	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
324	2.30	2.20	0.0065	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
325	2.20	2.10	0.0067	0.004	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.004
326	2.10	2.00	0.0068	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
327	2.00	1.90	0.0069	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
328	1.90	1.80	0.0070	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
329	1.80	1.70	0.0071	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
330	1.70	1.60	0.0072	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
331	1.60	1.50	0.0074	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
332	1.50	1.40	0.0075	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
333	1.40	1.30	0.0076	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
334	1.30	1.20	0.0077	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
335	1.20	1.10	0.0078	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
336	1.10	1.00	0.0080	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
337	1.00	0.90	0.0081	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
338	0.90	0.80	0.0082	0.005	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.005
339	0.80	0.70	0.0083	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
340	0.70	0.60	0.0084	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
341	0.60	0.50	0.0086	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
342	0.50	0.40	0.0087	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
343	0.40	0.30	0.0088	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
344	0.30	0.20	0.0089	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
345	0.20	0.10	0.0090	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006
346	0.10	0.00	0.0091	0.006	0.30	5.0	150.	500.0	1.5	0.	0.000	0.000	0.006

SPECIAL REPORT: Intracoastal Waterwa
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
420	13.40	13.30	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
421	13.30	13.20	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
422	13.20	13.10	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
423	13.10	13.00	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
424	13.00	12.90	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033

425	12.90	12.80	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
426	12.80	12.70	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
427	12.70	12.60	7.5300	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
428	12.60	12.50	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
429	12.50	12.40	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
430	12.40	12.30	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
431	12.30	12.20	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
432	12.20	12.10	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
433	12.10	12.00	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
434	12.00	11.90	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
435	11.90	11.80	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
436	11.80	11.70	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
437	11.70	11.60	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
438	11.60	11.50	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
439	11.50	11.40	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
440	11.40	11.30	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
441	11.30	11.20	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
442	11.20	11.10	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
443	11.10	11.00	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
444	11.00	10.90	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
445	10.90	10.80	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
446	10.80	10.70	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
447	10.70	10.60	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
448	10.60	10.50	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
449	10.50	10.40	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
450	10.40	10.30	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
451	10.30	10.20	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
452	10.20	10.10	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
453	10.10	10.00	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
454	10.00	9.90	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
455	9.90	9.80	7.5311	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
456	9.80	9.70	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
457	9.70	9.60	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
458	9.60	9.50	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
459	9.50	9.40	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
460	9.40	9.30	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
461	9.30	9.20	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
462	9.20	9.10	7.5314	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
463	9.10	9.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
464	9.00	8.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
465	8.90	8.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
466	8.80	8.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
467	8.70	8.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
468	8.60	8.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
469	8.50	8.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
470	8.40	8.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
471	8.30	8.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
472	8.20	8.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
473	8.10	8.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
474	8.00	7.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033

475	7.90	7.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
476	7.80	7.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
477	7.70	7.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
478	7.60	7.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
479	7.50	7.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
480	7.40	7.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
481	7.30	7.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
482	7.20	7.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
483	7.10	7.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
484	7.00	6.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
485	6.90	6.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
486	6.80	6.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
487	6.70	6.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
488	6.60	6.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
489	6.50	6.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
490	6.40	6.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
491	6.30	6.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
492	6.20	6.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
493	6.10	6.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
494	6.00	5.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
495	5.90	5.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
496	5.80	5.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
497	5.70	5.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
498	5.60	5.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
499	5.50	5.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
500	5.40	5.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
501	5.30	5.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
502	5.20	5.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
503	5.10	5.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
504	5.00	4.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
505	4.90	4.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
506	4.80	4.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
507	4.70	4.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
508	4.60	4.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
509	4.50	4.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
510	4.40	4.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
511	4.30	4.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
512	4.20	4.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
513	4.10	4.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
514	4.00	3.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
515	3.90	3.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
516	3.80	3.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
517	3.70	3.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
518	3.60	3.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
519	3.50	3.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
520	3.40	3.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
521	3.30	3.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
522	3.20	3.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
523	3.10	3.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
524	3.00	2.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033

525	2.90	2.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
526	2.80	2.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
527	2.70	2.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
528	2.60	2.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
529	2.50	2.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
530	2.40	2.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
531	2.30	2.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
532	2.20	2.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
533	2.10	2.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
534	2.00	1.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
535	1.90	1.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
536	1.80	1.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
537	1.70	1.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
538	1.60	1.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
539	1.50	1.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
540	1.40	1.30	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
541	1.30	1.20	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
542	1.20	1.10	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
543	1.10	1.00	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
544	1.00	0.90	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
545	0.90	0.80	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
546	0.80	0.70	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
547	0.70	0.60	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
548	0.60	0.50	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
549	0.50	0.40	7.5445	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
550	0.40	0.30	7.5639	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
551	0.30	0.20	7.5639	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
552	0.20	0.10	7.5639	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033
553	0.10	0.00	7.5639	0.033	3.00	76.0	22800.	7600.0	228.0	0.	0.000	0.000	0.033

SPECIAL REPORT: Bayou Plaquemine
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	AREA m^2	AREA m^2	PRISM m^3	SURFACE VELO m/s	X-SECT m^2/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
710	11.90	11.80	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
711	11.80	11.70	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
712	11.70	11.60	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
713	11.60	11.50	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
714	11.50	11.40	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
715	11.40	11.30	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
716	11.30	11.20	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
717	11.20	11.10	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
718	11.10	11.00	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
719	11.00	10.90	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
720	10.90	10.80	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			
721	10.80	10.70	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023			

722	10.70	10.60	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
723	10.60	10.50	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
724	10.50	10.40	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
725	10.40	10.30	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
726	10.30	10.20	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
727	10.20	10.10	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
728	10.10	10.00	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
729	10.00	9.90	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
730	9.90	9.80	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
731	9.80	9.70	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
732	9.70	9.60	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
733	9.60	9.50	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
734	9.50	9.40	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
735	9.40	9.30	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
736	9.30	9.20	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
737	9.20	9.10	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
738	9.10	9.00	0.7700	0.023	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.023
739	9.00	8.90	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
740	8.90	8.80	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
741	8.80	8.70	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
742	8.70	8.60	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
743	8.60	8.50	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
744	8.50	8.40	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
745	8.40	8.30	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
746	8.30	8.20	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
747	8.20	8.10	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
748	8.10	8.00	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
749	8.00	7.90	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
750	7.90	7.80	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
751	7.80	7.70	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
752	7.70	7.60	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
753	7.60	7.50	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
754	7.50	7.40	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
755	7.40	7.30	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
756	7.30	7.20	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
757	7.20	7.10	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
758	7.10	7.00	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
759	7.00	6.90	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
760	6.90	6.80	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
761	6.80	6.70	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
762	6.70	6.60	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
763	6.60	6.50	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
764	6.50	6.40	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
765	6.40	6.30	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
766	6.30	6.20	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
767	6.20	6.10	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
768	6.10	6.00	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
769	6.00	5.90	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
770	5.90	5.80	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
771	5.80	5.70	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025

772	5.70	5.60	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
773	5.60	5.50	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
774	5.50	5.40	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
775	5.40	5.30	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
776	5.30	5.20	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
777	5.20	5.10	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
778	5.10	5.00	0.8357	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
779	5.00	4.90	0.8386	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
780	4.90	4.80	0.8386	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
781	4.80	4.70	0.8386	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
782	4.70	4.60	0.8396	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
783	4.60	4.50	0.8396	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
784	4.50	4.40	0.8396	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
785	4.40	4.30	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
786	4.30	4.20	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
787	4.20	4.10	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
788	4.10	4.00	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
789	4.00	3.90	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
790	3.90	3.80	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
791	3.80	3.70	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
792	3.70	3.60	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
793	3.60	3.50	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
794	3.50	3.40	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
795	3.40	3.30	0.8398	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
796	3.30	3.20	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
797	3.20	3.10	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
798	3.10	3.00	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
799	3.00	2.90	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
800	2.90	2.80	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
801	2.80	2.70	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
802	2.70	2.60	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
803	2.60	2.50	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
804	2.50	2.40	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
805	2.40	2.30	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
806	2.30	2.20	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
807	2.20	2.10	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
808	2.10	2.00	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
809	2.00	1.90	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
810	1.90	1.80	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
811	1.80	1.70	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
812	1.70	1.60	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
813	1.60	1.50	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
814	1.50	1.40	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
815	1.40	1.30	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
816	1.30	1.20	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
817	1.20	1.10	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
818	1.10	1.00	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
819	1.00	0.90	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
820	0.90	0.80	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
821	0.80	0.70	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025

822	0.70	0.60	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
823	0.60	0.50	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
824	0.50	0.40	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
825	0.40	0.30	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
826	0.30	0.20	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
827	0.20	0.10	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025
828	0.10	0.00	0.8399	0.025	1.10	30.0	3300.	3000.0	33.0	0.	0.000	0.000	0.025

SPECIAL REPORT: Upper Grand River #1
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	PRISM m³	TIDAL VELO m/s	TIDAL m²/s	DISPRSN	MEAN VELO m/s
879	12.40	12.30	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
880	12.30	12.20	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
881	12.20	12.10	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
882	12.10	12.00	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
883	12.00	11.90	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
884	11.90	11.80	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
885	11.80	11.70	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
886	11.70	11.60	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
887	11.60	11.50	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
888	11.50	11.40	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
889	11.40	11.30	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
890	11.30	11.20	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
891	11.20	11.10	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
892	11.10	11.00	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
893	11.00	10.90	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
894	10.90	10.80	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
895	10.80	10.70	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
896	10.70	10.60	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
897	10.60	10.50	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
898	10.50	10.40	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
899	10.40	10.30	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
900	10.30	10.20	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
901	10.20	10.10	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
902	10.10	10.00	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
903	10.00	9.90	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
904	9.90	9.80	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
905	9.80	9.70	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
906	9.70	9.60	3.9400	0.041	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.041	
907	9.60	9.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	
908	9.50	9.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	
909	9.40	9.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	
910	9.30	9.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	
911	9.20	9.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	
912	9.10	9.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051	

913	9.00	8.90	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
914	8.90	8.80	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
915	8.80	8.70	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
916	8.70	8.60	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
917	8.60	8.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
918	8.50	8.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
919	8.40	8.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
920	8.30	8.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
921	8.20	8.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
922	8.10	8.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
923	8.00	7.90	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
924	7.90	7.80	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
925	7.80	7.70	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
926	7.70	7.60	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
927	7.60	7.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
928	7.50	7.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
929	7.40	7.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
930	7.30	7.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
931	7.20	7.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
932	7.10	7.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
933	7.00	6.90	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
934	6.90	6.80	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
935	6.80	6.70	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
936	6.70	6.60	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
937	6.60	6.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
938	6.50	6.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
939	6.40	6.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
940	6.30	6.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
941	6.20	6.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
942	6.10	6.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
943	6.00	5.90	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
944	5.90	5.80	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
945	5.80	5.70	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
946	5.70	5.60	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
947	5.60	5.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
948	5.50	5.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
949	5.40	5.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
950	5.30	5.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
951	5.20	5.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
952	5.10	5.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
953	5.00	4.90	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
954	4.90	4.80	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
955	4.80	4.70	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
956	4.70	4.60	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
957	4.60	4.50	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
958	4.50	4.40	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
959	4.40	4.30	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
960	4.30	4.20	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
961	4.20	4.10	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051
962	4.10	4.00	4.9083	0.051	1.10	88.0	9680.	8800.0	96.8	0.	0.000	0.000	0.051

1007	4.00	3.90	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1008	3.90	3.80	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1009	3.80	3.70	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1010	3.70	3.60	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1011	3.60	3.50	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1012	3.50	3.40	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1013	3.40	3.30	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1014	3.30	3.20	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1015	3.20	3.10	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1016	3.10	3.00	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1017	3.00	2.90	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1018	2.90	2.80	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1019	2.80	2.70	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1020	2.70	2.60	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1021	2.60	2.50	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1022	2.50	2.40	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1023	2.40	2.30	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1024	2.30	2.20	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1025	2.20	2.10	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1026	2.10	2.00	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1027	2.00	1.90	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1028	1.90	1.80	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1029	1.80	1.70	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1030	1.70	1.60	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1031	1.60	1.50	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1032	1.50	1.40	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1033	1.40	1.30	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1034	1.30	1.20	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1035	1.20	1.10	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1036	1.10	1.00	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1037	1.00	0.90	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1038	0.90	0.80	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1039	0.80	0.70	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1040	0.70	0.60	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1041	0.60	0.50	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1042	0.50	0.40	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1043	0.40	0.30	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1044	0.30	0.20	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1045	0.20	0.10	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085
1046	0.10	0.00	6.8783	0.085	1.30	62.0	8060.	6200.0	80.6	0.	0.000	0.000	0.085

SPECIAL REPORT: Lower Flat River
HYDRAULIC PARAMETER VALUES

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW VELO m^3/s	ADVCTV m/s	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	PRISM m^3	TIDAL VELO m/s	TIDAL m^2/s	DISPRSN VELO m/s	MEAN
963	4.40	4.30	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038	

964	4.30	4.20	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
965	4.20	4.10	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
966	4.10	4.00	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
967	4.00	3.90	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
968	3.90	3.80	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
969	3.80	3.70	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
970	3.70	3.60	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
971	3.60	3.50	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
972	3.50	3.40	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
973	3.40	3.30	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
974	3.30	3.20	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
975	3.20	3.10	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
976	3.10	3.00	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
977	3.00	2.90	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
978	2.90	2.80	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
979	2.80	2.70	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
980	2.70	2.60	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
981	2.60	2.50	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
982	2.50	2.40	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
983	2.40	2.30	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
984	2.30	2.20	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
985	2.20	2.10	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
986	2.10	2.00	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
987	2.00	1.90	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
988	1.90	1.80	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
989	1.80	1.70	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
990	1.70	1.60	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
991	1.60	1.50	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
992	1.50	1.40	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
993	1.40	1.30	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
994	1.30	1.20	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
995	1.20	1.10	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
996	1.10	1.00	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
997	1.00	0.90	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
998	0.90	0.80	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
999	0.80	0.70	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1000	0.70	0.60	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1001	0.60	0.50	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1002	0.50	0.40	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1003	0.40	0.30	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1004	0.30	0.20	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1005	0.20	0.10	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038
1006	0.10	0.00	1.9700	0.038	0.80	64.0	5120.	6400.0	51.2	0.	0.000	0.000	0.038

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

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN µg/L	NH3	NO3+2	PHOS	CHL A	COLI #/100mL	NCM
1	HDWTR	0.09485	30.00	0.00	0.00	0.00	5.00	3.11	0.00	3.11	0.00	1.59	0.03	1.50	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO
1	55.60	55.50	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
2	55.50	55.40	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
3	55.40	55.30	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
4	55.30	55.20	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
5	55.20	55.10	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
6	55.10	55.00	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
7	55.00	54.90	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
8	54.90	54.80	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
9	54.80	54.70	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
10	54.70	54.60	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
11	54.60	54.50	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
12	54.50	54.40	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
13	54.40	54.30	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
14	54.30	54.20	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
15	54.20	54.10	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
16	54.10	54.00	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
17	54.00	53.90	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
18	53.90	53.80	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
19	53.80	53.70	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
20	53.70	53.60	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
21	53.60	53.50	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
22	53.50	53.40	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
23	53.40	53.30	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
24	53.30	53.20	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
25	53.20	53.10	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
26	53.10	53.00	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
27	53.00	52.90	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
28	52.90	52.80	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
29	52.80	52.70	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
30	52.70	52.60	0.09485	0.0	0.37940	0.00	0.25	1.00	25.00	100.00	0.25	0.00	0.000	0.000	0.379	
TOT					0.09				750.00	3000.00						
AVG				0.3794			0.25	1.00				0.25				
CUM					0.09											

********** 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
1	55.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	55.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	55.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	55.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	55.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	55.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	54.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	54.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	54.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	54.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	54.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	54.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	54.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	54.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	54.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	54.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	53.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	53.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	53.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	53.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	53.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	53.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	53.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	53.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	53.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	53.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	52.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	52.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	52.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	52.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			10.00	0.13	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	55.500	30.00	0.00	0.00	0.00	5.07	3.11	0.00	3.11	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
2	55.400	30.00	0.00	0.00	0.00	5.14	3.11	0.00	3.11	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
3	55.300	30.00	0.00	0.00	0.00	5.21	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
4	55.200	30.00	0.00	0.00	0.00	5.28	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00

5	55.100	30.00	0.00	0.00	0.00	5.34	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
6	55.000	30.00	0.00	0.00	0.00	5.40	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
7	54.900	30.00	0.00	0.00	0.00	5.46	3.10	0.00	3.10	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
8	54.800	30.00	0.00	0.00	0.00	5.52	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
9	54.700	30.00	0.00	0.00	0.00	5.57	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
10	54.600	30.00	0.00	0.00	0.00	5.62	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
11	54.500	30.00	0.00	0.00	0.00	5.68	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
12	54.400	30.00	0.00	0.00	0.00	5.72	3.09	0.00	3.09	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
13	54.300	30.00	0.00	0.00	0.00	5.77	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
14	54.200	30.00	0.00	0.00	0.00	5.82	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
15	54.100	30.00	0.00	0.00	0.00	5.86	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
16	54.000	30.00	0.00	0.00	0.00	5.90	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
17	53.900	30.00	0.00	0.00	0.00	5.95	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
18	53.800	30.00	0.00	0.00	0.00	5.99	3.08	0.00	3.08	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
19	53.700	30.00	0.00	0.00	0.00	6.02	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
20	53.600	30.00	0.00	0.00	0.00	6.06	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
21	53.500	30.00	0.00	0.00	0.00	6.10	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
22	53.400	30.00	0.00	0.00	0.00	6.13	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
23	53.300	30.00	0.00	0.00	0.00	6.16	3.07	0.00	3.07	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
24	53.200	30.00	0.00	0.00	0.00	6.19	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
25	53.100	30.00	0.00	0.00	0.00	6.23	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
26	53.000	30.00	0.00	0.00	0.00	6.26	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
27	52.900	30.00	0.00	0.00	0.00	6.28	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
28	52.800	30.00	0.00	0.00	0.00	6.31	3.06	0.00	3.06	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
29	52.700	30.00	0.00	0.00	0.00	6.34	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00
30	52.600	30.00	0.00	0.00	0.00	6.36	3.05	0.00	3.05	0.00	1.59	0.03	1.50	3.12	0.00	0.00	0.00	0.	0.00

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

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A #/100mL	COLI	NCM
31	UPR RCH	0.09485	30.00	0.00	0.00	0.00	6.36	3.05	0.00	3.05	0.00	1.59	0.03	1.50	0.00	0.00	0.00	0.00
EACH	INCR	0.00615	30.00	0.00	0.00	0.00	5.00	6.16	0.00		0.99	0.00	0.00	0.00	0.00	0.00		

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	AREA m²	VOLUME m²	AREA m³	SURFACE PRISM m/s	X-SECT VELO m²/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
31	52.60	52.50	0.10100	0.0	0.01010	0.11	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.010			
32	52.50	52.40	0.10716	0.0	0.01072	0.11	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.011			
33	52.40	52.30	0.11331	0.0	0.01133	0.10	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.011			

34	52.30	52.20	0.11947	0.0	0.01195	0.10	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.012
35	52.20	52.10	0.12562	0.0	0.01256	0.09	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.013
36	52.10	52.00	0.13178	0.0	0.01318	0.09	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.013
37	52.00	51.90	0.13793	0.0	0.01379	0.08	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.014
38	51.90	51.80	0.14409	0.0	0.01441	0.08	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.014
39	51.80	51.70	0.15024	0.0	0.01502	0.08	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.015
40	51.70	51.60	0.15640	0.0	0.01564	0.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.016
41	51.60	51.50	0.16255	0.0	0.01626	0.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.016
42	51.50	51.40	0.16871	0.0	0.01687	0.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.017
43	51.40	51.30	0.17486	0.0	0.01749	0.07	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.017
44	51.30	51.20	0.18102	0.0	0.01810	0.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.018
45	51.20	51.10	0.18717	0.0	0.01872	0.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.019
46	51.10	51.00	0.19333	0.0	0.01933	0.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.019
47	51.00	50.90	0.19948	0.0	0.01995	0.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.020
48	50.90	50.80	0.20564	0.0	0.02056	0.06	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.021
49	50.80	50.70	0.21179	0.0	0.02118	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.021
50	50.70	50.60	0.21794	0.0	0.02179	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.022
51	50.60	50.50	0.22410	0.0	0.02241	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.022
52	50.50	50.40	0.23025	0.0	0.02303	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.023
53	50.40	50.30	0.23641	0.0	0.02364	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.024
54	50.30	50.20	0.24256	0.0	0.02426	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.024
55	50.20	50.10	0.24872	0.0	0.02487	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.025
56	50.10	50.00	0.25487	0.0	0.02549	0.05	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.025
57	50.00	49.90	0.26103	0.0	0.02610	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.026
58	49.90	49.80	0.26718	0.0	0.02672	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.027
59	49.80	49.70	0.27334	0.0	0.02733	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.027
60	49.70	49.60	0.27949	0.0	0.02795	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.028
61	49.60	49.50	0.28565	0.0	0.02856	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.029
62	49.50	49.40	0.29180	0.0	0.02918	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.029
63	49.40	49.30	0.29796	0.0	0.02980	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.030
64	49.30	49.20	0.30411	0.0	0.03041	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.030
65	49.20	49.10	0.31027	0.0	0.03103	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.031
66	49.10	49.00	0.31642	0.0	0.03164	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.032
67	49.00	48.90	0.32258	0.0	0.03226	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.032
68	48.90	48.80	0.32873	0.0	0.03287	0.04	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.033
69	48.80	48.70	0.33488	0.0	0.03349	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.033
70	48.70	48.60	0.34104	0.0	0.03410	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.034
71	48.60	48.50	0.34719	0.0	0.03472	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.035
72	48.50	48.40	0.35335	0.0	0.03533	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.035
73	48.40	48.30	0.35950	0.0	0.03595	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.036
74	48.30	48.20	0.36566	0.0	0.03657	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.037
75	48.20	48.10	0.37181	0.0	0.03718	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.037
76	48.10	48.00	0.37797	0.0	0.03780	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.038
77	48.00	47.90	0.38412	0.0	0.03841	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.038
78	47.90	47.80	0.39028	0.0	0.03903	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.039
79	47.80	47.70	0.39643	0.0	0.03964	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.040
80	47.70	47.60	0.40259	0.0	0.04026	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.040
81	47.60	47.50	0.40874	0.0	0.04087	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.041
82	47.50	47.40	0.41490	0.0	0.04149	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.041
83	47.40	47.30	0.42105	0.0	0.04211	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.042

84	47.30	47.20	0.42721	0.0	0.04272	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.043
85	47.20	47.10	0.43336	0.0	0.04334	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.043
86	47.10	47.00	0.43952	0.0	0.04395	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.044
87	47.00	46.90	0.44567	0.0	0.04457	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.045
88	46.90	46.80	0.45182	0.0	0.04518	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.045
89	46.80	46.70	0.45798	0.0	0.04580	0.03	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.046
90	46.70	46.60	0.46413	0.0	0.04641	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.046
91	46.60	46.50	0.47029	0.0	0.04703	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.047
92	46.50	46.40	0.47644	0.0	0.04764	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.048
93	46.40	46.30	0.48260	0.0	0.04826	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.048
94	46.30	46.20	0.48875	0.0	0.04888	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.049
95	46.20	46.10	0.49491	0.0	0.04949	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.049
96	46.10	46.00	0.50106	0.0	0.05011	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.050
97	46.00	45.90	0.50722	0.0	0.05072	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.051
98	45.90	45.80	0.51337	0.0	0.05134	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.051
99	45.80	45.70	0.51953	0.0	0.05195	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.052
100	45.70	45.60	0.52568	0.0	0.05257	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.053
101	45.60	45.50	0.53184	0.0	0.05318	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.053
102	45.50	45.40	0.53799	0.0	0.05380	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.054
103	45.40	45.30	0.54415	0.0	0.05441	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.054
104	45.30	45.20	0.55030	0.0	0.05503	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.055
105	45.20	45.10	0.55646	0.0	0.05565	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.056
106	45.10	45.00	0.56261	0.0	0.05626	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.056
107	45.00	44.90	0.56876	0.0	0.05688	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.057
108	44.90	44.80	0.57492	0.0	0.05749	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.057
109	44.80	44.70	0.58107	0.0	0.05811	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.058
110	44.70	44.60	0.58723	0.0	0.05872	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.059
111	44.60	44.50	0.59338	0.0	0.05934	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.059
112	44.50	44.40	0.59954	0.0	0.05995	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.060
113	44.40	44.30	0.60569	0.0	0.06057	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.061
114	44.30	44.20	0.61185	0.0	0.06118	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.061
115	44.20	44.10	0.61800	0.0	0.06180	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.062
116	44.10	44.00	0.62416	0.0	0.06242	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.062
117	44.00	43.90	0.63031	0.0	0.06303	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.063
118	43.90	43.80	0.63647	0.0	0.06365	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.064
119	43.80	43.70	0.64262	0.0	0.06426	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.064
120	43.70	43.60	0.64878	0.0	0.06488	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.065
121	43.60	43.50	0.65493	0.0	0.06549	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.065
122	43.50	43.40	0.66109	0.0	0.06611	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.066
123	43.40	43.30	0.66724	0.0	0.06672	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.067
124	43.30	43.20	0.67339	0.0	0.06734	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.067
125	43.20	43.10	0.67955	0.0	0.06795	0.02	1.00	10.00	1000.00	1000.00	10.00	0.00	0.000	0.000	0.068
TOT					3.65				95000.00	95000.00					
AVG				0.0301			1.00	10.00			10.00				
CUM					3.74										

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	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 DECAY *	ABOD#2 SOD *	ABOD#2 DECAY 1/da	BKGD SOD 1/da	BKGD SOD *	FULL SOD 1/da	CORR DECAY *	ORGN SETT **	ORGN DECAY **	NH3 SRCE 1/da	NH3 RATE 1/da	DENIT SRCE 1/da	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM	NCM SETT
31	52.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	52.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	52.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	52.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	52.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	52.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	51.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	51.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	51.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	51.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	51.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	51.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	51.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	51.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	51.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	51.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	50.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	50.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	50.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	50.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	50.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	50.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	50.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	50.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	50.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	50.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	49.900	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	49.800	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	49.700	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	49.600	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	49.500	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	49.400	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	49.300	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	49.200	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	49.100	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	49.000	7.56	0.84	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	48.900	7.56	0.85	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	48.800	7.56	0.86	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	48.700	7.56	0.87	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	48.600	7.56	0.87	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	48.500	7.56	0.88	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	48.400	7.56	0.89	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	48.300	7.56	0.90	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	48.200	7.56	0.90	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	48.100	7.56	0.91	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	48.000	7.56	0.92	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

77	47.900	7.56	0.93	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	47.800	7.56	0.93	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	47.700	7.56	0.94	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	47.600	7.56	0.95	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	47.500	7.56	0.96	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	47.400	7.56	0.96	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	47.300	7.56	0.97	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	47.200	7.56	0.98	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	47.100	7.56	0.98	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	47.000	7.56	0.99	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	46.900	7.56	1.00	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	46.800	7.56	1.01	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	46.700	7.56	1.01	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	46.600	7.56	1.02	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	46.500	7.56	1.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	46.400	7.56	1.03	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	46.300	7.56	1.04	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	46.200	7.56	1.05	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	46.100	7.56	1.05	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	46.000	7.56	1.06	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	45.900	7.56	1.07	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	45.800	7.56	1.07	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	45.700	7.56	1.08	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	45.600	7.56	1.08	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	45.500	7.56	1.09	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	45.400	7.56	1.10	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	45.300	7.56	1.10	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	45.200	7.56	1.11	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	45.100	7.56	1.12	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	45.000	7.56	1.12	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	44.900	7.56	1.13	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	44.800	7.56	1.13	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	44.700	7.56	1.14	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	44.600	7.56	1.15	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	44.500	7.56	1.15	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	44.400	7.56	1.16	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	44.300	7.56	1.16	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	44.200	7.56	1.17	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	44.100	7.56	1.18	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	44.000	7.56	1.18	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	43.900	7.56	1.19	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	43.800	7.56	1.19	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	43.700	7.56	1.20	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	43.600	7.56	1.20	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	43.500	7.56	1.21	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	43.400	7.56	1.22	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	43.300	7.56	1.22	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	43.200	7.56	1.23	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	43.100	7.56	1.23	0.21	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.81 0.13 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
31	52.500	30.00	0.00	0.00	0.00	6.18	3.17	0.00	3.17	0.00	1.55	0.03	1.41	2.99	0.00	0.00	0.00	0.	0.00
32	52.400	30.00	0.00	0.00	0.00	6.03	3.27	0.00	3.27	0.00	1.51	0.03	1.33	2.88	0.00	0.00	0.00	0.	0.00
33	52.300	30.00	0.00	0.00	0.00	5.91	3.35	0.00	3.35	0.00	1.48	0.03	1.26	2.77	0.00	0.00	0.00	0.	0.00
34	52.200	30.00	0.00	0.00	0.00	5.80	3.43	0.00	3.43	0.00	1.45	0.03	1.20	2.68	0.00	0.00	0.00	0.	0.00
35	52.100	30.00	0.00	0.00	0.00	5.71	3.50	0.00	3.50	0.00	1.42	0.03	1.14	2.60	0.00	0.00	0.00	0.	0.00
36	52.000	30.00	0.00	0.00	0.00	5.64	3.56	0.00	3.56	0.00	1.40	0.03	1.09	2.52	0.00	0.00	0.00	0.	0.00
37	51.900	30.00	0.00	0.00	0.00	5.57	3.61	0.00	3.61	0.00	1.38	0.03	1.04	2.45	0.00	0.00	0.00	0.	0.00
38	51.800	30.00	0.00	0.00	0.00	5.51	3.66	0.00	3.66	0.00	1.36	0.03	1.00	2.39	0.00	0.00	0.00	0.	0.00
39	51.700	30.00	0.00	0.00	0.00	5.46	3.70	0.00	3.70	0.00	1.34	0.03	0.96	2.33	0.00	0.00	0.00	0.	0.00
40	51.600	30.00	0.00	0.00	0.00	5.42	3.74	0.00	3.74	0.00	1.33	0.03	0.92	2.28	0.00	0.00	0.00	0.	0.00
41	51.500	30.00	0.00	0.00	0.00	5.38	3.78	0.00	3.78	0.00	1.31	0.03	0.89	2.23	0.00	0.00	0.00	0.	0.00
42	51.400	30.00	0.00	0.00	0.00	5.35	3.81	0.00	3.81	0.00	1.30	0.03	0.86	2.19	0.00	0.00	0.00	0.	0.00
43	51.300	30.00	0.00	0.00	0.00	5.32	3.84	0.00	3.84	0.00	1.28	0.03	0.83	2.15	0.00	0.00	0.00	0.	0.00
44	51.200	30.00	0.00	0.00	0.00	5.29	3.87	0.00	3.87	0.00	1.27	0.03	0.80	2.11	0.00	0.00	0.00	0.	0.00
45	51.100	30.00	0.00	0.00	0.00	5.26	3.90	0.00	3.90	0.00	1.26	0.03	0.77	2.07	0.00	0.00	0.00	0.	0.00
46	51.000	30.00	0.00	0.00	0.00	5.24	3.92	0.00	3.92	0.00	1.25	0.03	0.75	2.04	0.00	0.00	0.00	0.	0.00
47	50.900	30.00	0.00	0.00	0.00	5.22	3.94	0.00	3.94	0.00	1.24	0.03	0.73	2.00	0.00	0.00	0.00	0.	0.00
48	50.800	30.00	0.00	0.00	0.00	5.20	3.96	0.00	3.96	0.00	1.23	0.03	0.71	1.97	0.00	0.00	0.00	0.	0.00
49	50.700	30.00	0.00	0.00	0.00	5.19	3.98	0.00	3.98	0.00	1.22	0.03	0.69	1.94	0.00	0.00	0.00	0.	0.00
50	50.600	30.00	0.00	0.00	0.00	5.17	4.00	0.00	4.00	0.00	1.21	0.03	0.67	1.92	0.00	0.00	0.00	0.	0.00
51	50.500	30.00	0.00	0.00	0.00	5.16	4.02	0.00	4.02	0.00	1.21	0.03	0.65	1.89	0.00	0.00	0.00	0.	0.00
52	50.400	30.00	0.00	0.00	0.00	5.14	4.03	0.00	4.03	0.00	1.20	0.03	0.63	1.87	0.00	0.00	0.00	0.	0.00
53	50.300	30.00	0.00	0.00	0.00	5.13	4.05	0.00	4.05	0.00	1.19	0.03	0.62	1.84	0.00	0.00	0.00	0.	0.00
54	50.200	30.00	0.00	0.00	0.00	5.12	4.06	0.00	4.06	0.00	1.19	0.03	0.60	1.82	0.00	0.00	0.00	0.	0.00
55	50.100	30.00	0.00	0.00	0.00	5.11	4.07	0.00	4.07	0.00	1.18	0.03	0.59	1.80	0.00	0.00	0.00	0.	0.00
56	50.000	30.00	0.00	0.00	0.00	5.10	4.08	0.00	4.08	0.00	1.17	0.03	0.58	1.78	0.00	0.00	0.00	0.	0.00
57	49.900	30.00	0.00	0.00	0.00	5.09	4.10	0.00	4.10	0.00	1.17	0.03	0.56	1.76	0.00	0.00	0.00	0.	0.00
58	49.800	30.00	0.00	0.00	0.00	5.09	4.11	0.00	4.11	0.00	1.16	0.03	0.55	1.75	0.00	0.00	0.00	0.	0.00
59	49.700	30.00	0.00	0.00	0.00	5.08	4.12	0.00	4.12	0.00	1.16	0.03	0.54	1.73	0.00	0.00	0.00	0.	0.00
60	49.600	30.00	0.00	0.00	0.00	5.07	4.13	0.00	4.13	0.00	1.15	0.03	0.53	1.71	0.00	0.00	0.00	0.	0.00
61	49.500	30.00	0.00	0.00	0.00	5.07	4.14	0.00	4.14	0.00	1.15	0.03	0.52	1.70	0.00	0.00	0.00	0.	0.00
62	49.400	30.00	0.00	0.00	0.00	5.06	4.15	0.00	4.15	0.00	1.14	0.03	0.51	1.68	0.00	0.00	0.00	0.	0.00
63	49.300	30.00	0.00	0.00	0.00	5.05	4.15	0.00	4.15	0.00	1.14	0.03	0.50	1.67	0.00	0.00	0.00	0.	0.00
64	49.200	30.00	0.00	0.00	0.00	5.05	4.16	0.00	4.16	0.00	1.14	0.03	0.49	1.65	0.00	0.00	0.00	0.	0.00
65	49.100	30.00	0.00	0.00	0.00	5.04	4.17	0.00	4.17	0.00	1.13	0.03	0.48	1.64	0.00	0.00	0.00	0.	0.00
66	49.000	30.00	0.00	0.00	0.00	5.04	4.18	0.00	4.18	0.00	1.13	0.03	0.47	1.63	0.00	0.00	0.00	0.	0.00
67	48.900	30.00	0.00	0.00	0.00	5.03	4.18	0.00	4.18	0.00	1.12	0.03	0.46	1.62	0.00	0.00	0.00	0.	0.00
68	48.800	30.00	0.00	0.00	0.00	5.03	4.19	0.00	4.19	0.00	1.12	0.03	0.45	1.60	0.00	0.00	0.00	0.	0.00
69	48.700	30.00	0.00	0.00	0.00	5.03	4.20	0.00	4.20	0.00	1.12	0.03	0.44	1.59	0.00	0.00	0.00	0.	0.00
70	48.600	30.00	0.00	0.00	0.00	5.03	4.20	0.00	4.20	0.00	1.11	0.03	0.44	1.58	0.00	0.00	0.00	0.	0.00

71	48.500	30.00	0.00	0.00	0.00	5.03	4.21	0.00	4.21	0.00	1.11	0.03	0.43	1.57	0.00	0.00	0.00	0.	0.00
72	48.400	30.00	0.00	0.00	0.00	5.03	4.21	0.00	4.21	0.00	1.11	0.03	0.42	1.56	0.00	0.00	0.00	0.	0.00
73	48.300	30.00	0.00	0.00	0.00	5.03	4.22	0.00	4.22	0.00	1.11	0.03	0.41	1.55	0.00	0.00	0.00	0.	0.00
74	48.200	30.00	0.00	0.00	0.00	5.03	4.22	0.00	4.22	0.00	1.10	0.03	0.41	1.54	0.00	0.00	0.00	0.	0.00
75	48.100	30.00	0.00	0.00	0.00	5.03	4.23	0.00	4.23	0.00	1.10	0.03	0.40	1.53	0.00	0.00	0.00	0.	0.00
76	48.000	30.00	0.00	0.00	0.00	5.03	4.23	0.00	4.23	0.00	1.10	0.03	0.40	1.52	0.00	0.00	0.00	0.	0.00
77	47.900	30.00	0.00	0.00	0.00	5.03	4.24	0.00	4.24	0.00	1.09	0.03	0.39	1.52	0.00	0.00	0.00	0.	0.00
78	47.800	30.00	0.00	0.00	0.00	5.04	4.24	0.00	4.24	0.00	1.09	0.03	0.38	1.51	0.00	0.00	0.00	0.	0.00
79	47.700	30.00	0.00	0.00	0.00	5.04	4.25	0.00	4.25	0.00	1.09	0.03	0.38	1.50	0.00	0.00	0.00	0.	0.00
80	47.600	30.00	0.00	0.00	0.00	5.04	4.25	0.00	4.25	0.00	1.09	0.03	0.37	1.49	0.00	0.00	0.00	0.	0.00
81	47.500	30.00	0.00	0.00	0.00	5.05	4.26	0.00	4.26	0.00	1.09	0.03	0.37	1.48	0.00	0.00	0.00	0.	0.00
82	47.400	30.00	0.00	0.00	0.00	5.05	4.26	0.00	4.26	0.00	1.08	0.03	0.36	1.48	0.00	0.00	0.00	0.	0.00
83	47.300	30.00	0.00	0.00	0.00	5.06	4.26	0.00	4.26	0.00	1.08	0.03	0.36	1.47	0.00	0.00	0.00	0.	0.00
84	47.200	30.00	0.00	0.00	0.00	5.06	4.27	0.00	4.27	0.00	1.08	0.03	0.35	1.46	0.00	0.00	0.00	0.	0.00
85	47.100	30.00	0.00	0.00	0.00	5.07	4.27	0.00	4.27	0.00	1.08	0.03	0.35	1.46	0.00	0.00	0.00	0.	0.00
86	47.000	30.00	0.00	0.00	0.00	5.07	4.27	0.00	4.27	0.00	1.08	0.03	0.34	1.45	0.00	0.00	0.00	0.	0.00
87	46.900	30.00	0.00	0.00	0.00	5.08	4.28	0.00	4.28	0.00	1.07	0.03	0.34	1.44	0.00	0.00	0.00	0.	0.00
88	46.800	30.00	0.00	0.00	0.00	5.08	4.28	0.00	4.28	0.00	1.07	0.03	0.34	1.44	0.00	0.00	0.00	0.	0.00
89	46.700	30.00	0.00	0.00	0.00	5.09	4.28	0.00	4.28	0.00	1.07	0.03	0.33	1.43	0.00	0.00	0.00	0.	0.00
90	46.600	30.00	0.00	0.00	0.00	5.09	4.29	0.00	4.29	0.00	1.07	0.03	0.33	1.43	0.00	0.00	0.00	0.	0.00
91	46.500	30.00	0.00	0.00	0.00	5.10	4.29	0.00	4.29	0.00	1.07	0.03	0.32	1.42	0.00	0.00	0.00	0.	0.00
92	46.400	30.00	0.00	0.00	0.00	5.10	4.29	0.00	4.29	0.00	1.07	0.03	0.32	1.41	0.00	0.00	0.00	0.	0.00
93	46.300	30.00	0.00	0.00	0.00	5.11	4.29	0.00	4.29	0.00	1.06	0.03	0.32	1.41	0.00	0.00	0.00	0.	0.00
94	46.200	30.00	0.00	0.00	0.00	5.11	4.30	0.00	4.30	0.00	1.06	0.03	0.31	1.40	0.00	0.00	0.00	0.	0.00
95	46.100	30.00	0.00	0.00	0.00	5.12	4.30	0.00	4.30	0.00	1.06	0.03	0.31	1.40	0.00	0.00	0.00	0.	0.00
96	46.000	30.00	0.00	0.00	0.00	5.13	4.30	0.00	4.30	0.00	1.06	0.03	0.30	1.39	0.00	0.00	0.00	0.	0.00
97	45.900	30.00	0.00	0.00	0.00	5.13	4.30	0.00	4.30	0.00	1.06	0.03	0.30	1.39	0.00	0.00	0.00	0.	0.00
98	45.800	30.00	0.00	0.00	0.00	5.14	4.31	0.00	4.31	0.00	1.06	0.03	0.30	1.38	0.00	0.00	0.00	0.	0.00
99	45.700	30.00	0.00	0.00	0.00	5.14	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.38	0.00	0.00	0.00	0.	0.00
100	45.600	30.00	0.00	0.00	0.00	5.15	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.00	0.00	0.	0.00
101	45.500	30.00	0.00	0.00	0.00	5.16	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.00	0.00	0.	0.00
102	45.400	30.00	0.00	0.00	0.00	5.16	4.31	0.00	4.31	0.00	1.05	0.03	0.29	1.37	0.00	0.00	0.00	0.	0.00
103	45.300	30.00	0.00	0.00	0.00	5.17	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.36	0.00	0.00	0.00	0.	0.00
104	45.200	30.00	0.00	0.00	0.00	5.18	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.36	0.00	0.00	0.00	0.	0.00
105	45.100	30.00	0.00	0.00	0.00	5.18	4.32	0.00	4.32	0.00	1.05	0.03	0.28	1.35	0.00	0.00	0.00	0.	0.00
106	45.000	30.00	0.00	0.00	0.00	5.19	4.32	0.00	4.32	0.00	1.05	0.03	0.27	1.35	0.00	0.00	0.00	0.	0.00
107	44.900	30.00	0.00	0.00	0.00	5.19	4.32	0.00	4.32	0.00	1.05	0.03	0.27	1.35	0.00	0.00	0.00	0.	0.00
108	44.800	30.00	0.00	0.00	0.00	5.20	4.33	0.00	4.33	0.00	1.04	0.03	0.27	1.34	0.00	0.00	0.00	0.	0.00
109	44.700	30.00	0.00	0.00	0.00	5.21	4.33	0.00	4.33	0.00	1.04	0.03	0.27	1.34	0.00	0.00	0.00	0.	0.00
110	44.600	30.00	0.00	0.00	0.00	5.21	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.00	0.00	0.	0.00
111	44.500	30.00	0.00	0.00	0.00	5.22	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.00	0.00	0.	0.00
112	44.400	30.00	0.00	0.00	0.00	5.23	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.33	0.00	0.00	0.00	0.	0.00
113	44.300	30.00	0.00	0.00	0.00	5.23	4.33	0.00	4.33	0.00	1.04	0.03	0.26	1.32	0.00	0.00	0.00	0.	0.00
114	44.200	30.00	0.00	0.00	0.00	5.24	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.32	0.00	0.00	0.00	0.	0.00
115	44.100	30.00	0.00	0.00	0.00	5.25	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.32	0.00	0.00	0.00	0.	0.00
116	44.000	30.00	0.00	0.00	0.00	5.25	4.34	0.00	4.34	0.00	1.04	0.03	0.25	1.31	0.00	0.00	0.00	0.	0.00
117	43.900	30.00	0.00	0.00	0.00	5.26	4.34	0.00	4.34	0.00	1.03	0.03	0.25	1.31	0.00	0.00	0.00	0.	0.00
118	43.800	30.00	0.00	0.00	0.00	5.26	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.31	0.00	0.00	0.00	0.	0.00
119	43.700	30.00	0.00	0.00	0.00	5.27	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.00	0.00	0.	0.00
120	43.600	30.00	0.00	0.00	0.00	5.28	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.00	0.00	0.	0.00

121	43.500	30.00	0.00	0.00	0.00	5.28	4.34	0.00	4.34	0.00	1.03	0.03	0.24	1.30	0.00	0.00	0.00	0.	0.00
122	43.400	30.00	0.00	0.00	0.00	5.29	4.35	0.00	4.35	0.00	1.03	0.03	0.24	1.30	0.00	0.00	0.00	0.	0.00
123	43.300	30.00	0.00	0.00	0.00	5.29	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.00	0.00	0.	0.00
124	43.200	30.00	0.00	0.00	0.00	5.30	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.00	0.00	0.	0.00
125	43.100	30.00	0.00	0.00	0.00	5.31	4.35	0.00	4.35	0.00	1.03	0.03	0.23	1.29	0.00	0.00	0.00	0.	0.00

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

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS	CHL A	COLI #/100mL	NCM
229	UPR RCH	0.67955	30.00	0.00	0.00	0.00	5.31	4.35	0.00	4.35	0.00	1.03	0.03	0.23	0.00	0.00	0.00	0.00
229	TRIB	1.57194	30.00	0.00	0.00	0.00	6.18	5.92	0.00	5.92	0.00	1.38	1.15	1.83	0.00	0.00	0.00	0.00
230	WSTLD	0.37939	30.00	0.00	0.00	0.00	5.00	3.20	0.00	3.20	0.00	0.30	0.10	1.00	0.00	0.00	0.00	0.00
271	WSTLD	0.00022	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	0.30	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	PRISM m³	VELO m/s	TIDAL VELO m²/s	TIDAL VELO m/s	DISPRSN	MEAN
229	43.10	43.00	2.25149	58.5	0.02759	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.028		
230	43.00	42.90	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
231	42.90	42.80	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
232	42.80	42.70	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
233	42.70	42.60	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
234	42.60	42.50	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
235	42.50	42.40	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
236	42.40	42.30	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
237	42.30	42.20	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
238	42.20	42.10	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
239	42.10	42.00	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
240	42.00	41.90	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
241	41.90	41.80	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
242	41.80	41.70	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
243	41.70	41.60	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
244	41.60	41.50	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
245	41.50	41.40	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
246	41.40	41.30	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
247	41.30	41.20	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
248	41.20	41.10	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
249	41.10	41.00	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		
250	41.00	40.90	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032		

251	40.90	40.80	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
252	40.80	40.70	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
253	40.70	40.60	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
254	40.60	40.50	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
255	40.50	40.40	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
256	40.40	40.30	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
257	40.30	40.20	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
258	40.20	40.10	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
259	40.10	40.00	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
260	40.00	39.90	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
261	39.90	39.80	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
262	39.80	39.70	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
263	39.70	39.60	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
264	39.60	39.50	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
265	39.50	39.40	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
266	39.40	39.30	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
267	39.30	39.20	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
268	39.20	39.10	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
269	39.10	39.00	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
270	39.00	38.90	2.63088	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032
271	38.90	38.80	2.63110	64.5	0.03224	0.04	2.40	34.00	8160.00	3400.00	81.60	0.00	0.000	0.000	0.032

TOT			1.55		350880.03	146200.00
AVG		0.0321		2.40	34.00	81.60
CUM			5.29			

********** 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 *	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
229	43.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
230	42.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
231	42.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
232	42.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
233	42.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00
234	42.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
235	42.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
236	42.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00
237	42.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
238	42.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
239	42.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
240	41.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00
241	41.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
242	41.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
243	41.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00
244	41.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.94	0.00	0.00	0.00	0.00
245	41.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.07	0.00	0.00	0.00	0.00

246	41.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
247	41.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
248	41.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
249	41.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
250	40.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
251	40.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
252	40.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
253	40.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
254	40.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00
255	40.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00
256	40.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00
257	40.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.52	0.00	0.00	0.00	0.00
258	40.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.64	0.00	0.00	0.00	0.00
259	40.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.77	0.00	0.00	0.00	0.00
260	39.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.89	0.00	0.00	0.00	0.00
261	39.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
262	39.700	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00
263	39.600	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00
264	39.500	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00
265	39.400	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	4.49	0.00	0.00	0.00	0.00
266	39.300	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.62	0.00	0.00	0.00	0.00
267	39.200	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.74	0.00	0.00	0.00	0.00
268	39.100	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.86	0.00	0.00	0.00	0.00
269	39.000	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	4.98	0.00	0.00	0.00	0.00
270	38.900	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
271	38.800	7.56	0.35	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.29 0.11 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
229	43.000	30.00	0.00	0.00	0.00	5.81	5.44	0.00	5.44	0.00	1.27	0.80	1.36	3.43	0.00	1.53	0.00	0.	0.00
230	42.900	30.00	0.00	0.00	0.00	5.62	5.11	0.00	5.11	0.00	1.13	0.69	1.32	3.14	0.00	3.07	0.00	0.	0.00
231	42.800	30.00	0.00	0.00	0.00	5.56	5.11	0.00	5.11	0.00	1.13	0.68	1.33	3.14	0.00	4.60	0.00	0.	0.00
232	42.700	30.00	0.00	0.00	0.00	5.50	5.10	0.00	5.10	0.00	1.13	0.67	1.34	3.14	0.00	6.14	0.00	0.	0.00
233	42.600	30.00	0.00	0.00	0.00	5.44	5.10	0.00	5.10	0.00	1.13	0.66	1.35	3.14	0.00	7.67	0.00	0.	0.00
234	42.500	30.00	0.00	0.00	0.00	5.40	5.09	0.00	5.09	0.00	1.13	0.65	1.35	3.13	0.00	9.21	0.00	0.	0.00
235	42.400	30.00	0.00	0.00	0.00	5.35	5.09	0.00	5.09	0.00	1.13	0.64	1.36	3.13	0.00	10.74	0.00	0.	0.00
236	42.300	30.00	0.00	0.00	0.00	5.32	5.08	0.00	5.08	0.00	1.12	0.64	1.37	3.13	0.00	12.28	0.00	0.	0.00
237	42.200	30.00	0.00	0.00	0.00	5.28	5.08	0.00	5.08	0.00	1.12	0.63	1.38	3.13	0.00	13.81	0.00	0.	0.00
238	42.100	30.00	0.00	0.00	0.00	5.26	5.07	0.00	5.07	0.00	1.12	0.62	1.38	3.13	0.00	15.35	0.00	0.	0.00
239	42.000	30.00	0.00	0.00	0.00	5.24	5.07	0.00	5.07	0.00	1.12	0.61	1.39	3.12	0.00	16.88	0.00	0.	0.00
240	41.900	30.00	0.00	0.00	0.00	5.22	5.06	0.00	5.06	0.00	1.12	0.60	1.40	3.12	0.00	18.42	0.00	0.	0.00
241	41.800	30.00	0.00	0.00	0.00	5.21	5.06	0.00	5.06	0.00	1.12	0.60	1.40	3.12	0.00	19.95	0.00	0.	0.00

242	41.700	30.00	0.00	0.00	0.00	5.20	5.05	0.00	5.05	0.00	1.12	0.59	1.41	3.12	0.00	21.49	0.00	0.	0.00
243	41.600	30.00	0.00	0.00	0.00	5.20	5.05	0.00	5.05	0.00	1.12	0.58	1.41	3.11	0.00	23.02	0.00	0.	0.00
244	41.500	30.00	0.00	0.00	0.00	5.20	5.04	0.00	5.04	0.00	1.12	0.57	1.42	3.11	0.00	24.56	0.00	0.	0.00
245	41.400	30.00	0.00	0.00	0.00	5.21	5.04	0.00	5.04	0.00	1.12	0.57	1.42	3.11	0.00	26.09	0.00	0.	0.00
246	41.300	30.00	0.00	0.00	0.00	5.22	5.03	0.00	5.03	0.00	1.11	0.56	1.43	3.10	0.00	27.63	0.00	0.	0.00
247	41.200	30.00	0.00	0.00	0.00	5.24	5.03	0.00	5.03	0.00	1.11	0.55	1.43	3.10	0.00	29.16	0.00	0.	0.00
248	41.100	30.00	0.00	0.00	0.00	5.26	5.02	0.00	5.02	0.00	1.11	0.54	1.44	3.09	0.00	30.70	0.00	0.	0.00
249	41.000	30.00	0.00	0.00	0.00	5.29	5.02	0.00	5.02	0.00	1.11	0.54	1.44	3.09	0.00	32.23	0.00	0.	0.00
250	40.900	30.00	0.00	0.00	0.00	5.32	5.01	0.00	5.01	0.00	1.11	0.53	1.44	3.08	0.00	33.77	0.00	0.	0.00
251	40.800	30.00	0.00	0.00	0.00	5.36	5.01	0.00	5.01	0.00	1.11	0.52	1.44	3.08	0.00	35.30	0.00	0.	0.00
252	40.700	30.00	0.00	0.00	0.00	5.39	5.01	0.00	5.01	0.00	1.11	0.52	1.45	3.07	0.00	36.84	0.00	0.	0.00
253	40.600	30.00	0.00	0.00	0.00	5.44	5.00	0.00	5.00	0.00	1.11	0.51	1.45	3.07	0.00	38.37	0.00	0.	0.00
254	40.500	30.00	0.00	0.00	0.00	5.49	5.00	0.00	5.00	0.00	1.11	0.50	1.45	3.06	0.00	39.91	0.00	0.	0.00
255	40.400	30.00	0.00	0.00	0.00	5.54	4.99	0.00	4.99	0.00	1.11	0.50	1.45	3.06	0.00	41.44	0.00	0.	0.00
256	40.300	30.00	0.00	0.00	0.00	5.59	4.99	0.00	4.99	0.00	1.10	0.49	1.45	3.05	0.00	42.98	0.00	0.	0.00
257	40.200	30.00	0.00	0.00	0.00	5.65	4.98	0.00	4.98	0.00	1.10	0.49	1.45	3.04	0.00	44.51	0.00	0.	0.00
258	40.100	30.00	0.00	0.00	0.00	5.72	4.98	0.00	4.98	0.00	1.10	0.48	1.46	3.04	0.00	46.05	0.00	0.	0.00
259	40.000	30.00	0.00	0.00	0.00	5.78	4.98	0.00	4.98	0.00	1.10	0.47	1.46	3.03	0.00	47.58	0.00	0.	0.00
260	39.900	30.00	0.00	0.00	0.00	5.86	4.97	0.00	4.97	0.00	1.10	0.47	1.46	3.02	0.00	49.12	0.00	0.	0.00
261	39.800	30.00	0.00	0.00	0.00	5.93	4.97	0.00	4.97	0.00	1.10	0.46	1.46	3.02	0.00	50.65	0.00	0.	0.00
262	39.700	30.00	0.00	0.00	0.00	6.01	4.96	0.00	4.96	0.00	1.10	0.46	1.46	3.01	0.00	52.19	0.00	0.	0.00
263	39.600	30.00	0.00	0.00	0.00	6.09	4.96	0.00	4.96	0.00	1.10	0.45	1.45	3.00	0.00	53.72	0.00	0.	0.00
264	39.500	30.00	0.00	0.00	0.00	6.18	4.95	0.00	4.95	0.00	1.10	0.44	1.45	2.99	0.00	55.26	0.00	0.	0.00
265	39.400	30.00	0.00	0.00	0.00	6.27	4.95	0.00	4.95	0.00	1.10	0.44	1.45	2.99	0.00	56.79	0.00	0.	0.00
266	39.300	30.00	0.00	0.00	0.00	6.36	4.95	0.00	4.95	0.00	1.10	0.43	1.45	2.98	0.00	58.33	0.00	0.	0.00
267	39.200	30.00	0.00	0.00	0.00	6.46	4.94	0.00	4.94	0.00	1.09	0.43	1.45	2.97	0.00	59.86	0.00	0.	0.00
268	39.100	30.00	0.00	0.00	0.00	6.56	4.94	0.00	4.94	0.00	1.09	0.42	1.45	2.96	0.00	61.40	0.00	0.	0.00
269	39.000	30.00	0.00	0.00	0.00	6.66	4.93	0.00	4.93	0.00	1.09	0.42	1.44	2.95	0.00	62.93	0.00	0.	0.00
270	38.900	30.00	0.00	0.00	0.00	6.77	4.93	0.00	4.93	0.00	1.09	0.41	1.44	2.94	0.00	64.47	0.00	0.	0.00
271	38.800	30.00	0.00	0.00	0.00	6.88	4.93	0.00	4.93	0.00	1.09	0.40	1.44	2.93	0.00	66.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 8 Choctaw Bayou #2 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS	CHL A #/100mL	COLI	NCM
347	UPR RCH	2.63110	30.00	0.00	0.00	0.00	6.88	4.93	0.00	4.93	0.00	1.09	0.40	1.44	0.00	66.00	0.00	0.00
347	TRIB	0.00915	30.00	0.00	0.00	0.00	7.12	1.98	0.00	1.98	0.00	0.86	0.03	0.00	0.00	66.00	0.00	0.00
366	WSTLD	0.23500	30.00	0.00	0.00	0.00	5.00	1.40	0.00	1.40	0.00	0.50	1.50	0.10	0.00	0.00	0.00	0.00
367	WSTLD	0.01882	30.00	0.00	0.00	0.00	5.00	27.70	0.00	27.70	0.00	1.50	1.50	0.10	0.00	0.00	0.00	0.00

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

ELEM	BEGIN	ENDING	FLOW	PCT	ADVCTV	TRAVEL	DEPTH	WIDTH	VOLUME	SURFACE	X-SECT	TIDAL	TIDAL	DISPRSN	MEAN

NO.	DIST km	DIST km	m³/s	EFF	VELO m/s	TIME days	m	m	m³	AREA m²	AREA m²	m³	PRISM m/s	VELO m²/s	m/s	VELO	
347	38.80	38.70	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
348	38.70	38.60	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
349	38.60	38.50	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
350	38.50	38.40	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
351	38.40	38.30	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
352	38.30	38.20	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
353	38.20	38.10	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
354	38.10	38.00	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
355	38.00	37.90	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
356	37.90	37.80	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
357	37.80	37.70	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
358	37.70	37.60	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
359	37.60	37.50	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
360	37.50	37.40	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
361	37.40	37.30	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
362	37.30	37.20	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
363	37.20	37.10	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
364	37.10	37.00	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
365	37.00	36.90	2.64025	64.3	0.02006	0.06	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.020		
366	36.90	36.80	2.87525	67.3	0.02185	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
367	36.80	36.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
368	36.70	36.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
369	36.60	36.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
370	36.50	36.40	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
371	36.40	36.30	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
372	36.30	36.20	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
373	36.20	36.10	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
374	36.10	36.00	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
375	36.00	35.90	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
376	35.90	35.80	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
377	35.80	35.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
378	35.70	35.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
379	35.60	35.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
380	35.50	35.40	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
381	35.40	35.30	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
382	35.30	35.20	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
383	35.20	35.10	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
384	35.10	35.00	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
385	35.00	34.90	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
386	34.90	34.80	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
387	34.80	34.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
388	34.70	34.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
389	34.60	34.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
390	34.50	34.40	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
391	34.40	34.30	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
392	34.30	34.20	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		
393	34.20	34.10	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022		

394	34.10	34.00	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
395	34.00	33.90	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
396	33.90	33.80	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
397	33.80	33.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
398	33.70	33.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
399	33.60	33.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
400	33.50	33.40	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
401	33.40	33.30	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
402	33.30	33.20	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
403	33.20	33.10	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
404	33.10	33.00	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
405	33.00	32.90	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
406	32.90	32.80	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
407	32.80	32.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
408	32.70	32.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
409	32.60	32.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
410	32.50	32.40	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
411	32.40	32.30	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
412	32.30	32.20	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
413	32.20	32.10	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
414	32.10	32.00	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
415	32.00	31.90	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
416	31.90	31.80	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
417	31.80	31.70	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
418	31.70	31.60	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
419	31.60	31.50	2.89407	67.5	0.02199	0.05	2.80	47.00	13160.00	4700.00	131.60	0.00	0.000	0.000	0.022
TOT					3.94				960679.94	343100.00					
AVG					0.0215		2.80	47.00			131.60				
CUM					9.23										

********** 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 1/da	ABOD#2 SOD 1/da	BKGD SOD 1/da	FULL SOD *	1/da	CORR DECAY *	**	ORGN SETT **	ORGN DECAY 1/da	NH3 SRCE 1/da	NH3 RATE 1/da	DENIT SRCE	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM SETT
347	38.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	5.15	0.00	0.00	0.00	0.00				
348	38.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.08	0.00	0.00	0.00	0.00				
349	38.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	5.01	0.00	0.00	0.00	0.00				
350	38.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00				
351	38.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.87	0.00	0.00	0.00	0.00				
352	38.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.79	0.00	0.00	0.00	0.00				
353	38.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.72	0.00	0.00	0.00	0.00				
354	38.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.65	0.00	0.00	0.00	0.00				
355	37.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.58	0.00	0.00	0.00	0.00				
356	37.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00				
357	37.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00				
358	37.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.37	0.00	0.00	0.00	0.00				

359	37.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.29	0.00	0.00	0.00	0.00
360	37.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.22	0.00	0.00	0.00	0.00
361	37.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00
362	37.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.08	0.00	0.00	0.00	0.00
363	37.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00
364	37.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.94	0.00	0.00	0.00	0.00
365	36.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
366	36.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00
367	36.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.72	0.00	0.00	0.00	0.00
368	36.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00
369	36.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.58	0.00	0.00	0.00	0.00
370	36.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00
371	36.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00
372	36.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
373	36.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.29	0.00	0.00	0.00	0.00
374	36.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.22	0.00	0.00	0.00	0.00
375	35.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.15	0.00	0.00	0.00	0.00
376	35.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00
377	35.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
378	35.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
379	35.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
380	35.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
381	35.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
382	35.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
383	35.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
384	35.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00
385	34.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
386	34.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
387	34.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00
388	34.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.22	0.00	0.00	0.00	0.00
389	34.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
390	34.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
391	34.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
392	34.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
393	34.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00
394	34.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00
395	33.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00
396	33.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
397	33.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
398	33.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
399	33.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
400	33.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
401	33.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
402	33.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
403	33.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
404	33.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00
405	32.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
406	32.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
407	32.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00
408	32.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00

409	32.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00
410	32.400	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00
411	32.300	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
412	32.200	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
413	32.100	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00
414	32.000	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00
415	31.900	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
416	31.800	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
417	31.700	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
418	31.600	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
419	31.500	7.56	0.30	0.17	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.25 0.11 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
347	38.700	30.00	0.00	0.00	0.00	7.06	4.90	0.00	4.90	0.00	1.09	0.40	1.43	2.91	0.00	65.10	0.00	0.	0.00
348	38.600	30.00	0.00	0.00	0.00	7.22	4.89	0.00	4.89	0.00	1.09	0.39	1.42	2.89	0.00	64.19	0.00	0.	0.00
349	38.500	30.00	0.00	0.00	0.00	7.39	4.87	0.00	4.87	0.00	1.08	0.38	1.42	2.88	0.00	63.29	0.00	0.	0.00
350	38.400	30.00	0.00	0.00	0.00	7.54	4.86	0.00	4.86	0.00	1.08	0.37	1.41	2.87	0.00	62.38	0.00	0.	0.00
351	38.300	30.00	0.00	0.00	0.00	7.70	4.85	0.00	4.85	0.00	1.08	0.36	1.41	2.85	0.00	61.48	0.00	0.	0.00
352	38.200	30.00	0.00	0.00	0.00	7.84	4.83	0.00	4.83	0.00	1.08	0.36	1.40	2.84	0.00	60.58	0.00	0.	0.00
353	38.100	30.00	0.00	0.00	0.00	7.98	4.82	0.00	4.82	0.00	1.08	0.35	1.40	2.82	0.00	59.67	0.00	0.	0.00
354	38.000	30.00	0.00	0.00	0.00	8.11	4.80	0.00	4.80	0.00	1.08	0.34	1.39	2.81	0.00	58.77	0.00	0.	0.00
355	37.900	30.00	0.00	0.00	0.00	8.24	4.79	0.00	4.79	0.00	1.08	0.33	1.39	2.80	0.00	57.86	0.00	0.	0.00
356	37.800	30.00	0.00	0.00	0.00	8.37	4.78	0.00	4.78	0.00	1.07	0.33	1.38	2.78	0.00	56.96	0.00	0.	0.00
357	37.700	30.00	0.00	0.00	0.00	8.49	4.76	0.00	4.76	0.00	1.07	0.32	1.38	2.77	0.00	56.05	0.00	0.	0.00
358	37.600	30.00	0.00	0.00	0.00	8.60	4.75	0.00	4.75	0.00	1.07	0.31	1.37	2.76	0.00	55.15	0.00	0.	0.00
359	37.500	30.00	0.00	0.00	0.00	8.71	4.74	0.00	4.74	0.00	1.07	0.31	1.37	2.75	0.00	54.25	0.00	0.	0.00
360	37.400	30.00	0.00	0.00	0.00	8.81	4.73	0.00	4.73	0.00	1.07	0.30	1.36	2.73	0.00	53.34	0.00	0.	0.00
361	37.300	30.00	0.00	0.00	0.00	8.91	4.71	0.00	4.71	0.00	1.07	0.30	1.36	2.72	0.00	52.44	0.00	0.	0.00
362	37.200	30.00	0.00	0.00	0.00	9.00	4.70	0.00	4.70	0.00	1.07	0.29	1.36	2.71	0.00	51.53	0.00	0.	0.00
363	37.100	30.00	0.00	0.00	0.00	9.09	4.69	0.00	4.69	0.00	1.06	0.28	1.35	2.70	0.00	50.63	0.00	0.	0.00
364	37.000	30.00	0.00	0.00	0.00	9.17	4.67	0.00	4.67	0.00	1.06	0.28	1.35	2.69	0.00	49.73	0.00	0.	0.00
365	36.900	30.00	0.00	0.00	0.00	9.25	4.66	0.00	4.66	0.00	1.06	0.27	1.34	2.68	0.00	48.82	0.00	0.	0.00
366	36.800	30.00	0.00	0.00	0.00	8.97	4.39	0.00	4.39	0.00	1.01	0.37	1.24	2.62	0.00	47.92	0.00	0.	0.00
367	36.700	30.00	0.00	0.00	0.00	9.00	4.53	0.00	4.53	0.00	1.02	0.37	1.23	2.61	0.00	47.01	0.00	0.	0.00
368	36.600	30.00	0.00	0.00	0.00	9.05	4.52	0.00	4.52	0.00	1.01	0.36	1.23	2.60	0.00	46.11	0.00	0.	0.00
369	36.500	30.00	0.00	0.00	0.00	9.11	4.51	0.00	4.51	0.00	1.01	0.35	1.23	2.59	0.00	45.21	0.00	0.	0.00
370	36.400	30.00	0.00	0.00	0.00	9.15	4.50	0.00	4.50	0.00	1.01	0.35	1.23	2.58	0.00	44.30	0.00	0.	0.00
371	36.300	30.00	0.00	0.00	0.00	9.20	4.49	0.00	4.49	0.00	1.01	0.34	1.23	2.58	0.00	43.40	0.00	0.	0.00
372	36.200	30.00	0.00	0.00	0.00	9.24	4.48	0.00	4.48	0.00	1.01	0.33	1.22	2.57	0.00	42.49	0.00	0.	0.00
373	36.100	30.00	0.00	0.00	0.00	9.28	4.47	0.00	4.47	0.00	1.01	0.33	1.22	2.56	0.00	41.59	0.00	0.	0.00
374	36.000	30.00	0.00	0.00	0.00	9.31	4.46	0.00	4.46	0.00	1.01	0.32	1.22	2.55	0.00	40.68	0.00	0.	0.00

375	35.900	30.00	0.00	0.00	0.00	9.34	4.45	0.00	4.45	0.00	1.01	0.31	1.22	2.54	0.00	39.78	0.00	0.	0.00
376	35.800	30.00	0.00	0.00	0.00	9.37	4.44	0.00	4.44	0.00	1.00	0.31	1.22	2.53	0.00	38.88	0.00	0.	0.00
377	35.700	30.00	0.00	0.00	0.00	9.39	4.43	0.00	4.43	0.00	1.00	0.30	1.22	2.53	0.00	37.97	0.00	0.	0.00
378	35.600	30.00	0.00	0.00	0.00	9.41	4.43	0.00	4.43	0.00	1.00	0.30	1.22	2.52	0.00	37.07	0.00	0.	0.00
379	35.500	30.00	0.00	0.00	0.00	9.42	4.42	0.00	4.42	0.00	1.00	0.29	1.22	2.51	0.00	36.16	0.00	0.	0.00
380	35.400	30.00	0.00	0.00	0.00	9.44	4.41	0.00	4.41	0.00	1.00	0.29	1.22	2.50	0.00	35.26	0.00	0.	0.00
381	35.300	30.00	0.00	0.00	0.00	9.45	4.40	0.00	4.40	0.00	1.00	0.28	1.22	2.50	0.00	34.36	0.00	0.	0.00
382	35.200	30.00	0.00	0.00	0.00	9.45	4.39	0.00	4.39	0.00	1.00	0.28	1.22	2.49	0.00	33.45	0.00	0.	0.00
383	35.100	30.00	0.00	0.00	0.00	9.46	4.38	0.00	4.38	0.00	0.99	0.27	1.22	2.48	0.00	32.55	0.00	0.	0.00
384	35.000	30.00	0.00	0.00	0.00	9.46	4.37	0.00	4.37	0.00	0.99	0.27	1.22	2.48	0.00	31.64	0.00	0.	0.00
385	34.900	30.00	0.00	0.00	0.00	9.45	4.36	0.00	4.36	0.00	0.99	0.26	1.21	2.47	0.00	30.74	0.00	0.	0.00
386	34.800	30.00	0.00	0.00	0.00	9.45	4.36	0.00	4.36	0.00	0.99	0.26	1.21	2.46	0.00	29.84	0.00	0.	0.00
387	34.700	30.00	0.00	0.00	0.00	9.44	4.35	0.00	4.35	0.00	0.99	0.25	1.21	2.46	0.00	28.93	0.00	0.	0.00
388	34.600	30.00	0.00	0.00	0.00	9.42	4.34	0.00	4.34	0.00	0.99	0.25	1.21	2.45	0.00	28.03	0.00	0.	0.00
389	34.500	30.00	0.00	0.00	0.00	9.41	4.33	0.00	4.33	0.00	0.99	0.24	1.21	2.45	0.00	27.12	0.00	0.	0.00
390	34.400	30.00	0.00	0.00	0.00	9.39	4.32	0.00	4.32	0.00	0.99	0.24	1.21	2.44	0.00	26.22	0.00	0.	0.00
391	34.300	30.00	0.00	0.00	0.00	9.37	4.32	0.00	4.32	0.00	0.98	0.24	1.21	2.43	0.00	25.32	0.00	0.	0.00
392	34.200	30.00	0.00	0.00	0.00	9.34	4.31	0.00	4.31	0.00	0.98	0.23	1.21	2.43	0.00	24.41	0.00	0.	0.00
393	34.100	30.00	0.00	0.00	0.00	9.32	4.30	0.00	4.30	0.00	0.98	0.23	1.22	2.42	0.00	23.51	0.00	0.	0.00
394	34.000	30.00	0.00	0.00	0.00	9.29	4.29	0.00	4.29	0.00	0.98	0.22	1.22	2.42	0.00	22.60	0.00	0.	0.00
395	33.900	30.00	0.00	0.00	0.00	9.25	4.28	0.00	4.28	0.00	0.98	0.22	1.22	2.42	0.00	21.70	0.00	0.	0.00
396	33.800	30.00	0.00	0.00	0.00	9.22	4.28	0.00	4.28	0.00	0.98	0.22	1.22	2.41	0.00	20.79	0.00	0.	0.00
397	33.700	30.00	0.00	0.00	0.00	9.18	4.27	0.00	4.27	0.00	0.98	0.21	1.22	2.41	0.00	19.89	0.00	0.	0.00
398	33.600	30.00	0.00	0.00	0.00	9.14	4.26	0.00	4.26	0.00	0.98	0.21	1.22	2.40	0.00	18.99	0.00	0.	0.00
399	33.500	30.00	0.00	0.00	0.00	9.09	4.25	0.00	4.25	0.00	0.97	0.21	1.22	2.40	0.00	18.08	0.00	0.	0.00
400	33.400	30.00	0.00	0.00	0.00	9.05	4.25	0.00	4.25	0.00	0.97	0.20	1.22	2.40	0.00	17.18	0.00	0.	0.00
401	33.300	30.00	0.00	0.00	0.00	9.00	4.24	0.00	4.24	0.00	0.97	0.20	1.22	2.39	0.00	16.27	0.00	0.	0.00
402	33.200	30.00	0.00	0.00	0.00	8.95	4.23	0.00	4.23	0.00	0.97	0.20	1.22	2.39	0.00	15.37	0.00	0.	0.00
403	33.100	30.00	0.00	0.00	0.00	8.89	4.23	0.00	4.23	0.00	0.97	0.19	1.22	2.39	0.00	14.47	0.00	0.	0.00
404	33.000	30.00	0.00	0.00	0.00	8.84	4.22	0.00	4.22	0.00	0.97	0.19	1.23	2.38	0.00	13.56	0.00	0.	0.00
405	32.900	30.00	0.00	0.00	0.00	8.78	4.21	0.00	4.21	0.00	0.97	0.19	1.23	2.38	0.00	12.66	0.00	0.	0.00
406	32.800	30.00	0.00	0.00	0.00	8.72	4.20	0.00	4.20	0.00	0.97	0.18	1.23	2.38	0.00	11.75	0.00	0.	0.00
407	32.700	30.00	0.00	0.00	0.00	8.65	4.20	0.00	4.20	0.00	0.96	0.18	1.23	2.38	0.00	10.85	0.00	0.	0.00
408	32.600	30.00	0.00	0.00	0.00	8.59	4.19	0.00	4.19	0.00	0.96	0.18	1.23	2.37	0.00	9.95	0.00	0.	0.00
409	32.500	30.00	0.00	0.00	0.00	8.52	4.18	0.00	4.18	0.00	0.96	0.17	1.24	2.37	0.00	9.04	0.00	0.	0.00
410	32.400	30.00	0.00	0.00	0.00	8.45	4.18	0.00	4.18	0.00	0.96	0.17	1.24	2.37	0.00	8.14	0.00	0.	0.00
411	32.300	30.00	0.00	0.00	0.00	8.37	4.17	0.00	4.17	0.00	0.96	0.17	1.24	2.37	0.00	7.23	0.00	0.	0.00
412	32.200	30.00	0.00	0.00	0.00	8.30	4.16	0.00	4.16	0.00	0.96	0.17	1.24	2.37	0.00	6.33	0.00	0.	0.00
413	32.100	30.00	0.00	0.00	0.00	8.22	4.16	0.00	4.16	0.00	0.96	0.16	1.25	2.37	0.00	5.42	0.00	0.	0.00
414	32.000	30.00	0.00	0.00	0.00	8.14	4.15	0.00	4.15	0.00	0.96	0.16	1.25	2.37	0.00	4.52	0.00	0.	0.00
415	31.900	30.00	0.00	0.00	0.00	8.06	4.14	0.00	4.14	0.00	0.95	0.16	1.25	2.36	0.00	3.62	0.00	0.	0.00
416	31.800	30.00	0.00	0.00	0.00	7.97	4.14	0.00	4.14	0.00	0.95	0.16	1.25	2.36	0.00	2.71	0.00	0.	0.00
417	31.700	30.00	0.00	0.00	0.00	7.89	4.13	0.00	4.13	0.00	0.95	0.15	1.26	2.36	0.00	1.81	0.00	0.	0.00
418	31.600	30.00	0.00	0.00	0.00	7.80	4.13	0.00	4.13	0.00	0.95	0.15	1.26	2.36	0.00	0.90	0.00	0.	0.00
419	31.500	30.00	0.00	0.00	0.00	7.71	4.12	0.00	4.12	0.00	0.95	0.15	1.26	2.36	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 10 Intracoastal Waterway #2 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2 #/100mL	PHOS	CHL A	COLI	NCM
554	UPR RCH	2.89407	30.00	0.00	0.00	0.00	7.71	4.12	0.00	4.12	0.00	0.95	0.15	1.26	0.00	0.00	0.00	0.00
554	TRIB	7.56386	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.03	1.79	0.00	0.00	0.00	0.00
566	WSTLD	0.00001	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	0.30	1.50	10.00	0.00	0.00	0.00	0.00
623	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
656	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
666	WSTLD	0.00455	30.00	0.00	0.00	0.00	5.00	15.20	0.00	15.20	0.00	0.30	1.50	10.00	0.00	0.00	0.00	0.00
674	WSTLD	0.00010	30.00	0.00	0.00	0.00	6.30	3.00	0.00	3.00	0.00	1.20	0.10	1.50	0.00	0.00	0.00	0.00
678	WSTLD	1.35901	30.00	0.00	0.00	0.00	5.00	1.60	0.00	1.60	0.00	0.50	0.03	0.00	0.00	0.00	0.00	0.00
703	WSTLD	0.00004	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	0.30	1.50	1.70	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO
554	31.50	31.40	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
555	31.40	31.30	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
556	31.30	31.20	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
557	31.20	31.10	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
558	31.10	31.00	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
559	31.00	30.90	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
560	30.90	30.80	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
561	30.80	30.70	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
562	30.70	30.60	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
563	30.60	30.50	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
564	30.50	30.40	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
565	30.40	30.30	10.45793	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
566	30.30	30.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
567	30.20	30.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
568	30.10	30.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
569	30.00	29.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
570	29.90	29.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
571	29.80	29.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
572	29.70	29.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
573	29.60	29.50	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
574	29.50	29.40	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
575	29.40	29.30	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
576	29.30	29.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
577	29.20	29.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
578	29.10	29.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
579	29.00	28.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
580	28.90	28.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046

581	28.80	28.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
582	28.70	28.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
583	28.60	28.50	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
584	28.50	28.40	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
585	28.40	28.30	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
586	28.30	28.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
587	28.20	28.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
588	28.10	28.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
589	28.00	27.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
590	27.90	27.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
591	27.80	27.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
592	27.70	27.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
593	27.60	27.50	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
594	27.50	27.40	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
595	27.40	27.30	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
596	27.30	27.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
597	27.20	27.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
598	27.10	27.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
599	27.00	26.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
600	26.90	26.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
601	26.80	26.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
602	26.70	26.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
603	26.60	26.50	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
604	26.50	26.40	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
605	26.40	26.30	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
606	26.30	26.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
607	26.20	26.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
608	26.10	26.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
609	26.00	25.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
610	25.90	25.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
611	25.80	25.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
612	25.70	25.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
613	25.60	25.50	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
614	25.50	25.40	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
615	25.40	25.30	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
616	25.30	25.20	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
617	25.20	25.10	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
618	25.10	25.00	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
619	25.00	24.90	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
620	24.90	24.80	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
621	24.80	24.70	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
622	24.70	24.60	10.45794	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
623	24.60	24.50	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
624	24.50	24.40	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
625	24.40	24.30	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
626	24.30	24.20	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
627	24.20	24.10	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
628	24.10	24.00	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
629	24.00	23.90	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
630	23.90	23.80	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046

631	23.80	23.70	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
632	23.70	23.60	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
633	23.60	23.50	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
634	23.50	23.40	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
635	23.40	23.30	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
636	23.30	23.20	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
637	23.20	23.10	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
638	23.10	23.00	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
639	23.00	22.90	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
640	22.90	22.80	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
641	22.80	22.70	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
642	22.70	22.60	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
643	22.60	22.50	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
644	22.50	22.40	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
645	22.40	22.30	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
646	22.30	22.20	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
647	22.20	22.10	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
648	22.10	22.00	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
649	22.00	21.90	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
650	21.90	21.80	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
651	21.80	21.70	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
652	21.70	21.60	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
653	21.60	21.50	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
654	21.50	21.40	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
655	21.40	21.30	10.45804	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
656	21.30	21.20	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
657	21.20	21.10	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
658	21.10	21.00	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
659	21.00	20.90	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
660	20.90	20.80	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
661	20.80	20.70	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
662	20.70	20.60	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
663	20.60	20.50	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
664	20.50	20.40	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
665	20.40	20.30	10.45814	19.0	0.04587	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
666	20.30	20.20	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
667	20.20	20.10	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
668	20.10	20.00	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
669	20.00	19.90	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
670	19.90	19.80	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
671	19.80	19.70	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
672	19.70	19.60	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
673	19.60	19.50	10.46269	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
674	19.50	19.40	10.46279	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
675	19.40	19.30	10.46279	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
676	19.30	19.20	10.46279	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
677	19.20	19.10	10.46279	19.0	0.04589	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.046
678	19.10	19.00	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
679	19.00	18.90	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
680	18.90	18.80	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052

681	18.80	18.70	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
682	18.70	18.60	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
683	18.60	18.50	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
684	18.50	18.40	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
685	18.40	18.30	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
686	18.30	18.20	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
687	18.20	18.10	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
688	18.10	18.00	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
689	18.00	17.90	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
690	17.90	17.80	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
691	17.80	17.70	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
692	17.70	17.60	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
693	17.60	17.50	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
694	17.50	17.40	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
695	17.40	17.30	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
696	17.30	17.20	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
697	17.20	17.10	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
698	17.10	17.00	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
699	17.00	16.90	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
700	16.90	16.80	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
701	16.80	16.70	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
702	16.70	16.60	11.82180	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
703	16.60	16.50	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
704	16.50	16.40	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
705	16.40	16.30	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
706	16.30	16.20	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
707	16.20	16.10	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
708	16.10	16.00	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052
709	16.00	15.90	11.82184	28.3	0.05185	0.02	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.052

TOT			3.84		3556800.00	1185600.00
AVG		0.0470		3.00	76.00	228.00
CUM			13.07			

********** 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	NCM SETT
554	31.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
555	31.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
556	31.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557	31.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
558	31.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
559	30.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	30.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561	30.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
562	30.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

563	30.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
564	30.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
565	30.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566	30.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
567	30.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
568	30.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569	29.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
570	29.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
571	29.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572	29.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
573	29.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
574	29.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	29.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
576	29.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577	29.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
578	29.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
579	28.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
580	28.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
581	28.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582	28.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
583	28.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
584	28.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
585	28.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
586	28.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587	28.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
588	28.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
589	27.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
590	27.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591	27.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
592	27.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
593	27.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
594	27.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
595	27.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
596	27.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
597	27.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598	27.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599	26.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600	26.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
601	26.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
602	26.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
603	26.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604	26.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	26.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
606	26.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
607	26.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608	26.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
609	25.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
610	25.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
611	25.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612	25.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

613	25.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
614	25.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
615	25.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
616	25.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
617	25.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
618	25.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
619	24.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
620	24.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
621	24.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
622	24.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
623	24.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
624	24.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
625	24.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
626	24.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
627	24.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
628	24.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
629	23.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	23.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
631	23.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
632	23.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
633	23.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
634	23.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	23.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
636	23.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
637	23.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
638	23.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
639	22.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
640	22.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
641	22.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
642	22.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
643	22.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
644	22.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
645	22.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
646	22.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
647	22.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
648	22.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
649	21.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
650	21.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
651	21.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
652	21.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
653	21.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
654	21.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
655	21.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
656	21.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
657	21.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
658	21.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
659	20.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	20.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
661	20.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
662	20.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

663	20.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
664	20.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	20.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
666	20.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
667	20.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
668	20.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
669	19.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	19.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
671	19.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
672	19.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
673	19.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
674	19.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
675	19.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
676	19.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677	19.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	19.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
679	18.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
680	18.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
681	18.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
682	18.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
683	18.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
684	18.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
685	18.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
686	18.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
687	18.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
688	18.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
689	17.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	17.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	17.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	17.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	17.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	17.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	17.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
696	17.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
697	17.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
698	17.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	16.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700	16.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
701	16.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
702	16.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703	16.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
704	16.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
705	16.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706	16.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
707	16.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
708	16.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
709	15.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.23	0.13	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
554	31.400	30.00	0.00	0.00	0.00	6.68	1.48	0.00	1.48	0.00	0.48	0.06	1.64	2.19	0.00	0.00	0.00	0.	0.00
555	31.300	30.00	0.00	0.00	0.00	6.66	1.48	0.00	1.48	0.00	0.48	0.06	1.64	2.19	0.00	0.00	0.00	0.	0.00
556	31.200	30.00	0.00	0.00	0.00	6.65	1.47	0.00	1.47	0.00	0.48	0.06	1.64	2.19	0.00	0.00	0.00	0.	0.00
557	31.100	30.00	0.00	0.00	0.00	6.63	1.46	0.00	1.46	0.00	0.48	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
558	31.000	30.00	0.00	0.00	0.00	6.61	1.46	0.00	1.46	0.00	0.48	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
559	30.900	30.00	0.00	0.00	0.00	6.59	1.45	0.00	1.45	0.00	0.48	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
560	30.800	30.00	0.00	0.00	0.00	6.57	1.45	0.00	1.45	0.00	0.49	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
561	30.700	30.00	0.00	0.00	0.00	6.55	1.44	0.00	1.44	0.00	0.49	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
562	30.600	30.00	0.00	0.00	0.00	6.53	1.44	0.00	1.44	0.00	0.49	0.06	1.65	2.19	0.00	0.00	0.00	0.	0.00
563	30.500	30.00	0.00	0.00	0.00	6.51	1.43	0.00	1.43	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
564	30.400	30.00	0.00	0.00	0.00	6.49	1.43	0.00	1.43	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
565	30.300	30.00	0.00	0.00	0.00	6.47	1.42	0.00	1.42	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
566	30.200	30.00	0.00	0.00	0.00	6.46	1.42	0.00	1.42	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
567	30.100	30.00	0.00	0.00	0.00	6.44	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
568	30.000	30.00	0.00	0.00	0.00	6.42	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
569	29.900	30.00	0.00	0.00	0.00	6.40	1.41	0.00	1.41	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
570	29.800	30.00	0.00	0.00	0.00	6.39	1.40	0.00	1.40	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
571	29.700	30.00	0.00	0.00	0.00	6.37	1.40	0.00	1.40	0.00	0.49	0.06	1.65	2.20	0.00	0.00	0.00	0.	0.00
572	29.600	30.00	0.00	0.00	0.00	6.35	1.39	0.00	1.39	0.00	0.49	0.06	1.65	2.21	0.00	0.00	0.00	0.	0.00
573	29.500	30.00	0.00	0.00	0.00	6.34	1.39	0.00	1.39	0.00	0.50	0.06	1.66	2.21	0.00	0.00	0.00	0.	0.00
574	29.400	30.00	0.00	0.00	0.00	6.32	1.38	0.00	1.38	0.00	0.50	0.06	1.66	2.21	0.00	0.00	0.00	0.	0.00
575	29.300	30.00	0.00	0.00	0.00	6.30	1.38	0.00	1.38	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
576	29.200	30.00	0.00	0.00	0.00	6.29	1.37	0.00	1.37	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
577	29.100	30.00	0.00	0.00	0.00	6.27	1.37	0.00	1.37	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
578	29.000	30.00	0.00	0.00	0.00	6.25	1.36	0.00	1.36	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
579	28.900	30.00	0.00	0.00	0.00	6.24	1.36	0.00	1.36	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
580	28.800	30.00	0.00	0.00	0.00	6.22	1.35	0.00	1.35	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
581	28.700	30.00	0.00	0.00	0.00	6.21	1.35	0.00	1.35	0.00	0.50	0.05	1.66	2.21	0.00	0.00	0.00	0.	0.00
582	28.600	30.00	0.00	0.00	0.00	6.19	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
583	28.500	30.00	0.00	0.00	0.00	6.17	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
584	28.400	30.00	0.00	0.00	0.00	6.16	1.34	0.00	1.34	0.00	0.50	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
585	28.300	30.00	0.00	0.00	0.00	6.14	1.33	0.00	1.33	0.00	0.50	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
586	28.200	30.00	0.00	0.00	0.00	6.13	1.33	0.00	1.33	0.00	0.51	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
587	28.100	30.00	0.00	0.00	0.00	6.11	1.32	0.00	1.32	0.00	0.51	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
588	28.000	30.00	0.00	0.00	0.00	6.10	1.32	0.00	1.32	0.00	0.51	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
589	27.900	30.00	0.00	0.00	0.00	6.09	1.31	0.00	1.31	0.00	0.51	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
590	27.800	30.00	0.00	0.00	0.00	6.07	1.31	0.00	1.31	0.00	0.51	0.05	1.66	2.22	0.00	0.00	0.00	0.	0.00
591	27.700	30.00	0.00	0.00	0.00	6.06	1.31	0.00	1.31	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
592	27.600	30.00	0.00	0.00	0.00	6.04	1.30	0.00	1.30	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
593	27.500	30.00	0.00	0.00	0.00	6.03	1.30	0.00	1.30	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
594	27.400	30.00	0.00	0.00	0.00	6.01	1.29	0.00	1.29	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
595	27.300	30.00	0.00	0.00	0.00	6.00	1.29	0.00	1.29	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00

596	27.200	30.00	0.00	0.00	0.00	5.99	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
597	27.100	30.00	0.00	0.00	0.00	5.97	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
598	27.000	30.00	0.00	0.00	0.00	5.96	1.28	0.00	1.28	0.00	0.51	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
599	26.900	30.00	0.00	0.00	0.00	5.95	1.27	0.00	1.27	0.00	0.52	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
600	26.800	30.00	0.00	0.00	0.00	5.93	1.27	0.00	1.27	0.00	0.52	0.05	1.67	2.23	0.00	0.00	0.00	0.	0.00
601	26.700	30.00	0.00	0.00	0.00	5.92	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
602	26.600	30.00	0.00	0.00	0.00	5.91	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
603	26.500	30.00	0.00	0.00	0.00	5.90	1.26	0.00	1.26	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
604	26.400	30.00	0.00	0.00	0.00	5.88	1.25	0.00	1.25	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
605	26.300	30.00	0.00	0.00	0.00	5.87	1.25	0.00	1.25	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
606	26.200	30.00	0.00	0.00	0.00	5.86	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
607	26.100	30.00	0.00	0.00	0.00	5.85	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
608	26.000	30.00	0.00	0.00	0.00	5.83	1.24	0.00	1.24	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
609	25.900	30.00	0.00	0.00	0.00	5.82	1.23	0.00	1.23	0.00	0.52	0.05	1.67	2.24	0.00	0.00	0.00	0.	0.00
610	25.800	30.00	0.00	0.00	0.00	5.81	1.23	0.00	1.23	0.00	0.52	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
611	25.700	30.00	0.00	0.00	0.00	5.80	1.22	0.00	1.22	0.00	0.52	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
612	25.600	30.00	0.00	0.00	0.00	5.79	1.22	0.00	1.22	0.00	0.52	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
613	25.500	30.00	0.00	0.00	0.00	5.77	1.22	0.00	1.22	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
614	25.400	30.00	0.00	0.00	0.00	5.76	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
615	25.300	30.00	0.00	0.00	0.00	5.75	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
616	25.200	30.00	0.00	0.00	0.00	5.74	1.21	0.00	1.21	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
617	25.100	30.00	0.00	0.00	0.00	5.73	1.20	0.00	1.20	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
618	25.000	30.00	0.00	0.00	0.00	5.72	1.20	0.00	1.20	0.00	0.53	0.05	1.68	2.25	0.00	0.00	0.00	0.	0.00
619	24.900	30.00	0.00	0.00	0.00	5.71	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.00	0.00	0.	0.00
620	24.800	30.00	0.00	0.00	0.00	5.70	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.00	0.00	0.	0.00
621	24.700	30.00	0.00	0.00	0.00	5.69	1.19	0.00	1.19	0.00	0.53	0.05	1.68	2.26	0.00	0.00	0.00	0.	0.00
622	24.600	30.00	0.00	0.00	0.00	5.67	1.18	0.00	1.18	0.00	0.53	0.05	1.68	2.26	0.00	0.00	0.00	0.	0.00
623	24.500	30.00	0.00	0.00	0.00	5.66	1.18	0.00	1.18	0.00	0.53	0.05	1.68	2.26	0.00	0.00	0.00	0.	0.00
624	24.400	30.00	0.00	0.00	0.00	5.65	1.18	0.00	1.18	0.00	0.53	0.04	1.68	2.26	0.00	0.00	0.00	0.	0.00
625	24.300	30.00	0.00	0.00	0.00	5.64	1.17	0.00	1.17	0.00	0.53	0.04	1.68	2.26	0.00	0.00	0.00	0.	0.00
626	24.200	30.00	0.00	0.00	0.00	5.63	1.17	0.00	1.17	0.00	0.54	0.04	1.68	2.26	0.00	0.00	0.00	0.	0.00
627	24.100	30.00	0.00	0.00	0.00	5.62	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.26	0.00	0.00	0.00	0.	0.00
628	24.000	30.00	0.00	0.00	0.00	5.61	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.26	0.00	0.00	0.00	0.	0.00
629	23.900	30.00	0.00	0.00	0.00	5.60	1.16	0.00	1.16	0.00	0.54	0.04	1.68	2.27	0.00	0.00	0.00	0.	0.00
630	23.800	30.00	0.00	0.00	0.00	5.59	1.15	0.00	1.15	0.00	0.54	0.04	1.68	2.27	0.00	0.00	0.00	0.	0.00
631	23.700	30.00	0.00	0.00	0.00	5.58	1.15	0.00	1.15	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
632	23.600	30.00	0.00	0.00	0.00	5.57	1.15	0.00	1.15	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
633	23.500	30.00	0.00	0.00	0.00	5.56	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
634	23.400	30.00	0.00	0.00	0.00	5.55	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
635	23.300	30.00	0.00	0.00	0.00	5.55	1.14	0.00	1.14	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
636	23.200	30.00	0.00	0.00	0.00	5.54	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
637	23.100	30.00	0.00	0.00	0.00	5.53	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.27	0.00	0.00	0.00	0.	0.00
638	23.000	30.00	0.00	0.00	0.00	5.52	1.13	0.00	1.13	0.00	0.54	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
639	22.900	30.00	0.00	0.00	0.00	5.51	1.12	0.00	1.12	0.00	0.54	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
640	22.800	30.00	0.00	0.00	0.00	5.50	1.12	0.00	1.12	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
641	22.700	30.00	0.00	0.00	0.00	5.49	1.12	0.00	1.12	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
642	22.600	30.00	0.00	0.00	0.00	5.48	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
643	22.500	30.00	0.00	0.00	0.00	5.47	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
644	22.400	30.00	0.00	0.00	0.00	5.46	1.11	0.00	1.11	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
645	22.300	30.00	0.00	0.00	0.00	5.46	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00

646	22.200	30.00	0.00	0.00	0.00	5.45	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
647	22.100	30.00	0.00	0.00	0.00	5.44	1.10	0.00	1.10	0.00	0.55	0.04	1.69	2.28	0.00	0.00	0.00	0.	0.00
648	22.000	30.00	0.00	0.00	0.00	5.43	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
649	21.900	30.00	0.00	0.00	0.00	5.42	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
650	21.800	30.00	0.00	0.00	0.00	5.41	1.09	0.00	1.09	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
651	21.700	30.00	0.00	0.00	0.00	5.41	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
652	21.600	30.00	0.00	0.00	0.00	5.40	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
653	21.500	30.00	0.00	0.00	0.00	5.39	1.08	0.00	1.08	0.00	0.55	0.04	1.69	2.29	0.00	0.00	0.00	0.	0.00
654	21.400	30.00	0.00	0.00	0.00	5.38	1.08	0.00	1.08	0.00	0.56	0.04	1.70	2.29	0.00	0.00	0.00	0.	0.00
655	21.300	30.00	0.00	0.00	0.00	5.37	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.29	0.00	0.00	0.00	0.	0.00
656	21.200	30.00	0.00	0.00	0.00	5.37	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.29	0.00	0.00	0.00	0.	0.00
657	21.100	30.00	0.00	0.00	0.00	5.36	1.07	0.00	1.07	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
658	21.000	30.00	0.00	0.00	0.00	5.35	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
659	20.900	30.00	0.00	0.00	0.00	5.34	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
660	20.800	30.00	0.00	0.00	0.00	5.34	1.06	0.00	1.06	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
661	20.700	30.00	0.00	0.00	0.00	5.33	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
662	20.600	30.00	0.00	0.00	0.00	5.32	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
663	20.500	30.00	0.00	0.00	0.00	5.32	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
664	20.400	30.00	0.00	0.00	0.00	5.31	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
665	20.300	30.00	0.00	0.00	0.00	5.30	1.04	0.00	1.04	0.00	0.56	0.04	1.70	2.30	0.00	0.00	0.00	0.	0.00
666	20.200	30.00	0.00	0.00	0.00	5.29	1.05	0.00	1.05	0.00	0.56	0.04	1.70	2.31	0.00	0.00	0.00	0.	0.00
667	20.100	30.00	0.00	0.00	0.00	5.29	1.04	0.00	1.04	0.00	0.56	0.04	1.70	2.31	0.00	0.00	0.00	0.	0.00
668	20.000	30.00	0.00	0.00	0.00	5.28	1.04	0.00	1.04	0.00	0.57	0.04	1.70	2.31	0.00	0.00	0.00	0.	0.00
669	19.900	30.00	0.00	0.00	0.00	5.27	1.04	0.00	1.04	0.00	0.57	0.04	1.71	2.31	0.00	0.00	0.00	0.	0.00
670	19.800	30.00	0.00	0.00	0.00	5.27	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.31	0.00	0.00	0.00	0.	0.00
671	19.700	30.00	0.00	0.00	0.00	5.26	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.31	0.00	0.00	0.00	0.	0.00
672	19.600	30.00	0.00	0.00	0.00	5.25	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
673	19.500	30.00	0.00	0.00	0.00	5.25	1.03	0.00	1.03	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
674	19.400	30.00	0.00	0.00	0.00	5.24	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
675	19.300	30.00	0.00	0.00	0.00	5.23	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
676	19.200	30.00	0.00	0.00	0.00	5.23	1.02	0.00	1.02	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
677	19.100	30.00	0.00	0.00	0.00	5.22	1.01	0.00	1.01	0.00	0.57	0.04	1.71	2.32	0.00	0.00	0.00	0.	0.00
678	19.000	30.00	0.00	0.00	0.00	5.19	1.08	0.00	1.08	0.00	0.56	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
679	18.900	30.00	0.00	0.00	0.00	5.18	1.08	0.00	1.08	0.00	0.56	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
680	18.800	30.00	0.00	0.00	0.00	5.18	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
681	18.700	30.00	0.00	0.00	0.00	5.17	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
682	18.600	30.00	0.00	0.00	0.00	5.17	1.07	0.00	1.07	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
683	18.500	30.00	0.00	0.00	0.00	5.16	1.06	0.00	1.06	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
684	18.400	30.00	0.00	0.00	0.00	5.16	1.06	0.00	1.06	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
685	18.300	30.00	0.00	0.00	0.00	5.15	1.06	0.00	1.06	0.00	0.57	0.04	1.52	2.12	0.00	0.00	0.00	0.	0.00
686	18.200	30.00	0.00	0.00	0.00	5.15	1.06	0.00	1.06	0.00	0.57	0.04	1.52	2.12	0.00	0.00	0.00	0.	0.00
687	18.100	30.00	0.00	0.00	0.00	5.14	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.12	0.00	0.00	0.00	0.	0.00
688	18.000	30.00	0.00	0.00	0.00	5.14	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
689	17.900	30.00	0.00	0.00	0.00	5.13	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
690	17.800	30.00	0.00	0.00	0.00	5.13	1.05	0.00	1.05	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
691	17.700	30.00	0.00	0.00	0.00	5.12	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
692	17.600	30.00	0.00	0.00	0.00	5.12	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
693	17.500	30.00	0.00	0.00	0.00	5.11	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
694	17.400	30.00	0.00	0.00	0.00	5.11	1.04	0.00	1.04	0.00	0.57	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
695	17.300	30.00	0.00	0.00	0.00	5.10	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00

696	17.200	30.00	0.00	0.00	0.00	5.10	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
697	17.100	30.00	0.00	0.00	0.00	5.09	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
698	17.000	30.00	0.00	0.00	0.00	5.09	1.03	0.00	1.03	0.00	0.58	0.04	1.52	2.13	0.00	0.00	0.00	0.	0.00
699	16.900	30.00	0.00	0.00	0.00	5.08	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
700	16.800	30.00	0.00	0.00	0.00	5.08	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
701	16.700	30.00	0.00	0.00	0.00	5.07	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
702	16.600	30.00	0.00	0.00	0.00	5.07	1.02	0.00	1.02	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
703	16.500	30.00	0.00	0.00	0.00	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
704	16.400	30.00	0.00	0.00	0.00	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
705	16.300	30.00	0.00	0.00	0.00	5.06	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
706	16.200	30.00	0.00	0.00	0.00	5.05	1.01	0.00	1.01	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
707	16.100	30.00	0.00	0.00	0.00	5.05	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
708	16.000	30.00	0.00	0.00	0.00	5.04	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.14	0.00	0.00	0.00	0.	0.00
709	15.900	30.00	0.00	0.00	0.00	5.04	1.00	0.00	1.00	0.00	0.58	0.04	1.52	2.15	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 12 Intracoastal Waterway #3 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS	CHL A #/100mL	COLI	NCM
829	UPR RCH	11.82184	30.00	0.00	0.00	0.00	5.04	1.00	0.00	1.00	0.00	0.58	0.04	1.52	0.00	0.00	0.00	0.00
829	TRIB	0.83995	30.00	0.00	0.00	0.00	6.78	4.04	0.00	4.04	0.00	0.21	0.04	1.14	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
829	15.90	15.80	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
830	15.80	15.70	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
831	15.70	15.60	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
832	15.60	15.50	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
833	15.50	15.40	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
834	15.40	15.30	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
835	15.30	15.20	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
836	15.20	15.10	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
837	15.10	15.00	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
838	15.00	14.90	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
839	14.90	14.80	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
840	14.80	14.70	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
841	14.70	14.60	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
842	14.60	14.50	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
843	14.50	14.40	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049

844	14.40	14.30	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
845	14.30	14.20	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
846	14.20	14.10	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
847	14.10	14.00	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
848	14.00	13.90	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
849	13.90	13.80	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
850	13.80	13.70	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
851	13.70	13.60	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
852	13.60	13.50	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
853	13.50	13.40	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
854	13.40	13.30	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
855	13.30	13.20	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
856	13.20	13.10	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
857	13.10	13.00	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
858	13.00	12.90	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
859	12.90	12.80	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
860	12.80	12.70	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
861	12.70	12.60	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
862	12.60	12.50	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
863	12.50	12.40	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
864	12.40	12.30	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
865	12.30	12.20	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
866	12.20	12.10	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
867	12.10	12.00	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
868	12.00	11.90	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
869	11.90	11.80	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
870	11.80	11.70	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
871	11.70	11.60	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
872	11.60	11.50	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
873	11.50	11.40	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
874	11.40	11.30	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
875	11.30	11.20	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
876	11.20	11.10	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
877	11.10	11.00	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
878	11.00	10.90	12.66179	27.0	0.04946	0.02	3.20	80.00	25600.00	8000.00	256.00	0.00	0.000	0.000	0.049
TOT					1.17			1280000.00	400000.00						
AVG					0.0495		3.20	80.00			256.00				
CUM					14.24										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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
829	15.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
830	15.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
831	15.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

832	15.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
833	15.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
834	15.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	15.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
836	15.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
837	15.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
838	14.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
839	14.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	14.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
841	14.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
842	14.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
843	14.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
844	14.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
845	14.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
846	14.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
847	14.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
848	13.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
849	13.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850	13.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
851	13.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
852	13.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
853	13.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
854	13.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
855	13.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856	13.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857	13.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
858	12.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859	12.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
860	12.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
861	12.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862	12.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
863	12.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864	12.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
865	12.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
866	12.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
867	12.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
868	11.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
869	11.800	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
870	11.700	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
871	11.600	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
872	11.500	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
873	11.400	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
874	11.300	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
875	11.200	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
876	11.100	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
877	11.000	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878	10.900	7.56	0.26	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.22	0.20	0.00	0.00	0.00	0.00	0.00	0.70			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
829	15.800	30.00	0.00	0.00	0.00	5.15	1.19	0.00	1.19	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
830	15.700	30.00	0.00	0.00	0.00	5.14	1.18	0.00	1.18	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
831	15.600	30.00	0.00	0.00	0.00	5.14	1.17	0.00	1.17	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
832	15.500	30.00	0.00	0.00	0.00	5.13	1.17	0.00	1.17	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
833	15.400	30.00	0.00	0.00	0.00	5.13	1.16	0.00	1.16	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
834	15.300	30.00	0.00	0.00	0.00	5.12	1.15	0.00	1.15	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
835	15.200	30.00	0.00	0.00	0.00	5.12	1.14	0.00	1.14	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
836	15.100	30.00	0.00	0.00	0.00	5.12	1.13	0.00	1.13	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
837	15.000	30.00	0.00	0.00	0.00	5.11	1.12	0.00	1.12	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
838	14.900	30.00	0.00	0.00	0.00	5.11	1.12	0.00	1.12	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
839	14.800	30.00	0.00	0.00	0.00	5.10	1.11	0.00	1.11	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
840	14.700	30.00	0.00	0.00	0.00	5.10	1.10	0.00	1.10	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
841	14.600	30.00	0.00	0.00	0.00	5.09	1.09	0.00	1.09	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
842	14.500	30.00	0.00	0.00	0.00	5.09	1.08	0.00	1.08	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
843	14.400	30.00	0.00	0.00	0.00	5.09	1.07	0.00	1.07	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
844	14.300	30.00	0.00	0.00	0.00	5.08	1.07	0.00	1.07	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
845	14.200	30.00	0.00	0.00	0.00	5.08	1.06	0.00	1.06	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
846	14.100	30.00	0.00	0.00	0.00	5.07	1.05	0.00	1.05	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
847	14.000	30.00	0.00	0.00	0.00	5.07	1.04	0.00	1.04	0.00	0.56	0.04	1.50	2.10	0.00	0.00	0.00	0.	0.00
848	13.900	30.00	0.00	0.00	0.00	5.07	1.04	0.00	1.04	0.00	0.56	0.04	1.51	2.10	0.00	0.00	0.00	0.	0.00
849	13.800	30.00	0.00	0.00	0.00	5.06	1.03	0.00	1.03	0.00	0.56	0.04	1.51	2.10	0.00	0.00	0.00	0.	0.00
850	13.700	30.00	0.00	0.00	0.00	5.06	1.02	0.00	1.02	0.00	0.56	0.04	1.51	2.10	0.00	0.00	0.00	0.	0.00
851	13.600	30.00	0.00	0.00	0.00	5.06	1.01	0.00	1.01	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
852	13.500	30.00	0.00	0.00	0.00	5.05	1.01	0.00	1.01	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
853	13.400	30.00	0.00	0.00	0.00	5.05	1.00	0.00	1.00	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
854	13.300	30.00	0.00	0.00	0.00	5.05	0.99	0.00	0.99	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
855	13.200	30.00	0.00	0.00	0.00	5.05	0.98	0.00	0.98	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
856	13.100	30.00	0.00	0.00	0.00	5.04	0.98	0.00	0.98	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
857	13.000	30.00	0.00	0.00	0.00	5.04	0.97	0.00	0.97	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
858	12.900	30.00	0.00	0.00	0.00	5.04	0.96	0.00	0.96	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
859	12.800	30.00	0.00	0.00	0.00	5.03	0.96	0.00	0.96	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
860	12.700	30.00	0.00	0.00	0.00	5.03	0.95	0.00	0.95	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
861	12.600	30.00	0.00	0.00	0.00	5.03	0.94	0.00	0.94	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
862	12.500	30.00	0.00	0.00	0.00	5.03	0.93	0.00	0.93	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
863	12.400	30.00	0.00	0.00	0.00	5.02	0.93	0.00	0.93	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
864	12.300	30.00	0.00	0.00	0.00	5.02	0.92	0.00	0.92	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
865	12.200	30.00	0.00	0.00	0.00	5.02	0.91	0.00	0.91	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
866	12.100	30.00	0.00	0.00	0.00	5.02	0.91	0.00	0.91	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
867	12.000	30.00	0.00	0.00	0.00	5.02	0.90	0.00	0.90	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
868	11.900	30.00	0.00	0.00	0.00	5.01	0.89	0.00	0.89	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
869	11.800	30.00	0.00	0.00	0.00	5.01	0.89	0.00	0.89	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
870	11.700	30.00	0.00	0.00	0.00	5.01	0.88	0.00	0.88	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00

871	11.600	30.00	0.00	0.00	0.00	5.01	0.87	0.00	0.87	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
872	11.500	30.00	0.00	0.00	0.00	5.01	0.87	0.00	0.87	0.00	0.56	0.04	1.51	2.11	0.00	0.00	0.00	0.	0.00
873	11.400	30.00	0.00	0.00	0.00	5.00	0.86	0.00	0.86	0.00	0.56	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
874	11.300	30.00	0.00	0.00	0.00	5.00	0.85	0.00	0.85	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
875	11.200	30.00	0.00	0.00	0.00	5.00	0.85	0.00	0.85	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
876	11.100	30.00	0.00	0.00	0.00	5.00	0.84	0.00	0.84	0.00	0.57	0.04	1.51	2.12	0.00	0.00	0.00	0.	0.00
877	11.000	30.00	0.00	0.00	0.00	5.00	0.84	0.00	0.84	0.00	0.57	0.04	1.52	2.12	0.00	0.00	0.00	0.	0.00
878	10.900	30.00	0.00	0.00	0.00	5.00	0.83	0.00	0.83	0.00	0.57	0.04	1.52	2.12	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Cholpe #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 16 Intracoastal Waterway #4 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN µg/L	NH3	NO3+2	PHOS	CHL A #/100mL	COLI	NCM
1047	UPR RCH	12.66179	30.00	0.00	0.00	0.00	5.00	0.83	0.00	0.83	0.00	0.57	0.04	1.52	0.00	0.00	0.00	0.00
1047	TRIB	6.87829	30.00	0.00	0.00	0.00	6.37	1.87	0.00	1.87	0.00	0.55	0.04	0.69	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW EFF m³/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m³	VOLUME m²	SURFACE AREA m²	X-SECT AREA m³	TIDAL PRISM m/s	TIDAL VELO m²/s	DISPRSN m/s	MEAN VELO m/s
1047	10.90	10.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1048	10.80	10.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1049	10.70	10.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1050	10.60	10.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1051	10.50	10.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1052	10.40	10.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1053	10.30	10.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1054	10.20	10.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1055	10.10	10.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1056	10.00	9.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1057	9.90	9.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1058	9.80	9.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1059	9.70	9.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1060	9.60	9.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1061	9.50	9.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1062	9.40	9.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1063	9.30	9.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1064	9.20	9.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1065	9.10	9.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1066	9.00	8.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1067	8.90	8.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112

1068	8.80	8.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1069	8.70	8.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1070	8.60	8.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1071	8.50	8.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1072	8.40	8.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1073	8.30	8.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1074	8.20	8.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1075	8.10	8.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1076	8.00	7.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1077	7.90	7.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1078	7.80	7.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1079	7.70	7.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1080	7.60	7.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1081	7.50	7.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1082	7.40	7.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1083	7.30	7.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1084	7.20	7.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1085	7.10	7.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1086	7.00	6.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1087	6.90	6.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1088	6.80	6.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1089	6.70	6.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1090	6.60	6.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1091	6.50	6.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1092	6.40	6.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1093	6.30	6.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1094	6.20	6.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1095	6.10	6.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1096	6.00	5.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1097	5.90	5.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1098	5.80	5.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1099	5.70	5.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1100	5.60	5.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1101	5.50	5.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1102	5.40	5.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1103	5.30	5.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1104	5.20	5.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1105	5.10	5.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1106	5.00	4.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1107	4.90	4.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1108	4.80	4.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1109	4.70	4.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1110	4.60	4.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1111	4.50	4.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1112	4.40	4.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1113	4.30	4.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1114	4.20	4.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1115	4.10	4.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1116	4.00	3.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1117	3.90	3.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112

1118	3.80	3.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1119	3.70	3.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1120	3.60	3.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1121	3.50	3.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1122	3.40	3.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1123	3.30	3.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1124	3.20	3.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1125	3.10	3.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1126	3.00	2.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1127	2.90	2.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1128	2.80	2.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1129	2.70	2.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1130	2.60	2.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1131	2.50	2.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1132	2.40	2.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1133	2.30	2.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1134	2.20	2.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1135	2.10	2.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1136	2.00	1.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1137	1.90	1.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1138	1.80	1.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1139	1.70	1.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1140	1.60	1.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1141	1.50	1.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1142	1.40	1.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1143	1.30	1.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1144	1.20	1.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1145	1.10	1.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1146	1.00	0.90	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1147	0.90	0.80	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1148	0.80	0.70	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1149	0.70	0.60	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1150	0.60	0.50	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1151	0.50	0.40	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1152	0.40	0.30	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1153	0.30	0.20	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1154	0.20	0.10	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
1155	0.10	0.00	19.54008	22.5	0.11166	0.01	2.50	70.00	17500.00	7000.00	175.00	0.00	0.000	0.000	0.112
TOT					1.13			1907500.00	763000.00						
AVG					0.1117		2.50	70.00			175.00				
CUM					15.37										

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

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

1047	10.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1048	10.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1049	10.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1050	10.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1051	10.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1052	10.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1053	10.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1054	10.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1055	10.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1056	9.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1057	9.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1058	9.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1059	9.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1060	9.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1061	9.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1062	9.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1063	9.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1064	9.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1065	9.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1066	8.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1067	8.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1068	8.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1069	8.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1070	8.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1071	8.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1072	8.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1073	8.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1074	8.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1075	8.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1076	7.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1077	7.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1078	7.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1079	7.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1080	7.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1081	7.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1082	7.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1083	7.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1084	7.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1085	7.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1086	6.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1087	6.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1088	6.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1089	6.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1090	6.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1091	6.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1092	6.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1093	6.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1094	6.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1095	6.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1096	5.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1097	5.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1098	5.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1099	5.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100	5.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1101	5.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1102	5.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1103	5.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1104	5.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1105	5.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1106	4.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1107	4.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1108	4.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1109	4.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1110	4.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1111	4.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1112	4.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1113	4.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1114	4.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1115	4.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1116	3.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1117	3.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1118	3.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1119	3.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1120	3.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1121	3.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1122	3.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1123	3.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1124	3.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1125	3.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1126	2.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1127	2.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1128	2.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1129	2.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1130	2.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1131	2.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1132	2.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1133	2.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1134	2.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1135	2.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1136	1.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1137	1.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1138	1.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1139	1.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1140	1.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1141	1.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1142	1.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1143	1.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1144	1.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1145	1.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1146	0.900	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1147	0.800	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1148	0.700	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1149	0.600	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1150	0.500	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1151	0.400	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1152	0.300	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1153	0.200	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1154	0.100	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1155	0.000	7.56	0.40	0.32	0.00	0.00	0.00	0.00	0.00	1.31	1.31	1.31	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.33	0.20	0.00	0.00	0.00	0.00	0.00	0.70			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
1047	10.800	30.00	0.00	0.00	0.00	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1048	10.700	30.00	0.00	0.00	0.00	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1049	10.600	30.00	0.00	0.00	0.00	5.48	1.19	0.00	1.19	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1050	10.500	30.00	0.00	0.00	0.00	5.47	1.18	0.00	1.18	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1051	10.400	30.00	0.00	0.00	0.00	5.47	1.18	0.00	1.18	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1052	10.300	30.00	0.00	0.00	0.00	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1053	10.200	30.00	0.00	0.00	0.00	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1054	10.100	30.00	0.00	0.00	0.00	5.47	1.17	0.00	1.17	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1055	10.000	30.00	0.00	0.00	0.00	5.47	1.16	0.00	1.16	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1056	9.900	30.00	0.00	0.00	0.00	5.47	1.16	0.00	1.16	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1057	9.800	30.00	0.00	0.00	0.00	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1058	9.700	30.00	0.00	0.00	0.00	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1059	9.600	30.00	0.00	0.00	0.00	5.46	1.15	0.00	1.15	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1060	9.500	30.00	0.00	0.00	0.00	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1061	9.400	30.00	0.00	0.00	0.00	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1062	9.300	30.00	0.00	0.00	0.00	5.46	1.14	0.00	1.14	0.00	0.56	0.04	1.23	1.82	0.00	0.00	0.00	0.	0.00
1063	9.200	30.00	0.00	0.00	0.00	5.46	1.13	0.00	1.13	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1064	9.100	30.00	0.00	0.00	0.00	5.46	1.13	0.00	1.13	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1065	9.000	30.00	0.00	0.00	0.00	5.46	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1066	8.900	30.00	0.00	0.00	0.00	5.45	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1067	8.800	30.00	0.00	0.00	0.00	5.45	1.12	0.00	1.12	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1068	8.700	30.00	0.00	0.00	0.00	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1069	8.600	30.00	0.00	0.00	0.00	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1070	8.500	30.00	0.00	0.00	0.00	5.45	1.11	0.00	1.11	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1071	8.400	30.00	0.00	0.00	0.00	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1072	8.300	30.00	0.00	0.00	0.00	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1073	8.200	30.00	0.00	0.00	0.00	5.45	1.10	0.00	1.10	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1074	8.100	30.00	0.00	0.00	0.00	5.45	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1075	8.000	30.00	0.00	0.00	0.00	5.45	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1076	7.900	30.00	0.00	0.00	0.00	5.44	1.09	0.00	1.09	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00

1077	7.800	30.00	0.00	0.00	0.00	5.44	1.08	0.00	1.08	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1078	7.700	30.00	0.00	0.00	0.00	5.44	1.08	0.00	1.08	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1079	7.600	30.00	0.00	0.00	0.00	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1080	7.500	30.00	0.00	0.00	0.00	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1081	7.400	30.00	0.00	0.00	0.00	5.44	1.07	0.00	1.07	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1082	7.300	30.00	0.00	0.00	0.00	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1083	7.200	30.00	0.00	0.00	0.00	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1084	7.100	30.00	0.00	0.00	0.00	5.44	1.06	0.00	1.06	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1085	7.000	30.00	0.00	0.00	0.00	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1086	6.900	30.00	0.00	0.00	0.00	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1087	6.800	30.00	0.00	0.00	0.00	5.44	1.05	0.00	1.05	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1088	6.700	30.00	0.00	0.00	0.00	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1089	6.600	30.00	0.00	0.00	0.00	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1090	6.500	30.00	0.00	0.00	0.00	5.43	1.04	0.00	1.04	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1091	6.400	30.00	0.00	0.00	0.00	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1092	6.300	30.00	0.00	0.00	0.00	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1093	6.200	30.00	0.00	0.00	0.00	5.43	1.03	0.00	1.03	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1094	6.100	30.00	0.00	0.00	0.00	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1095	6.000	30.00	0.00	0.00	0.00	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1096	5.900	30.00	0.00	0.00	0.00	5.43	1.02	0.00	1.02	0.00	0.56	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1097	5.800	30.00	0.00	0.00	0.00	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1098	5.700	30.00	0.00	0.00	0.00	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1099	5.600	30.00	0.00	0.00	0.00	5.43	1.01	0.00	1.01	0.00	0.57	0.04	1.23	1.83	0.00	0.00	0.00	0.	0.00
1100	5.500	30.00	0.00	0.00	0.00	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1101	5.400	30.00	0.00	0.00	0.00	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1102	5.300	30.00	0.00	0.00	0.00	5.43	1.00	0.00	1.00	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1103	5.200	30.00	0.00	0.00	0.00	5.43	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1104	5.100	30.00	0.00	0.00	0.00	5.42	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1105	5.000	30.00	0.00	0.00	0.00	5.42	0.99	0.00	0.99	0.00	0.57	0.04	1.23	1.84	0.00	0.00	0.00	0.	0.00
1106	4.900	30.00	0.00	0.00	0.00	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1107	4.800	30.00	0.00	0.00	0.00	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1108	4.700	30.00	0.00	0.00	0.00	5.42	0.98	0.00	0.98	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1109	4.600	30.00	0.00	0.00	0.00	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1110	4.500	30.00	0.00	0.00	0.00	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1111	4.400	30.00	0.00	0.00	0.00	5.42	0.97	0.00	0.97	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1112	4.300	30.00	0.00	0.00	0.00	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1113	4.200	30.00	0.00	0.00	0.00	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1114	4.100	30.00	0.00	0.00	0.00	5.42	0.96	0.00	0.96	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1115	4.000	30.00	0.00	0.00	0.00	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1116	3.900	30.00	0.00	0.00	0.00	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1117	3.800	30.00	0.00	0.00	0.00	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1118	3.700	30.00	0.00	0.00	0.00	5.42	0.95	0.00	0.95	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1119	3.600	30.00	0.00	0.00	0.00	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1120	3.500	30.00	0.00	0.00	0.00	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1121	3.400	30.00	0.00	0.00	0.00	5.42	0.94	0.00	0.94	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1122	3.300	30.00	0.00	0.00	0.00	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1123	3.200	30.00	0.00	0.00	0.00	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1124	3.100	30.00	0.00	0.00	0.00	5.42	0.93	0.00	0.93	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1125	3.000	30.00	0.00	0.00	0.00	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1126	2.900	30.00	0.00	0.00	0.00	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00

1127	2.800	30.00	0.00	0.00	0.00	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1128	2.700	30.00	0.00	0.00	0.00	5.42	0.92	0.00	0.92	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1129	2.600	30.00	0.00	0.00	0.00	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1130	2.500	30.00	0.00	0.00	0.00	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1131	2.400	30.00	0.00	0.00	0.00	5.42	0.91	0.00	0.91	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1132	2.300	30.00	0.00	0.00	0.00	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1133	2.200	30.00	0.00	0.00	0.00	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1134	2.100	30.00	0.00	0.00	0.00	5.42	0.90	0.00	0.90	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1135	2.000	30.00	0.00	0.00	0.00	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.84	0.00	0.00	0.00	0.	0.00
1136	1.900	30.00	0.00	0.00	0.00	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1137	1.800	30.00	0.00	0.00	0.00	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1138	1.700	30.00	0.00	0.00	0.00	5.41	0.89	0.00	0.89	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1139	1.600	30.00	0.00	0.00	0.00	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1140	1.500	30.00	0.00	0.00	0.00	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1141	1.400	30.00	0.00	0.00	0.00	5.41	0.88	0.00	0.88	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1142	1.300	30.00	0.00	0.00	0.00	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1143	1.200	30.00	0.00	0.00	0.00	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1144	1.100	30.00	0.00	0.00	0.00	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1145	1.000	30.00	0.00	0.00	0.00	5.41	0.87	0.00	0.87	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1146	0.900	30.00	0.00	0.00	0.00	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1147	0.800	30.00	0.00	0.00	0.00	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1148	0.700	30.00	0.00	0.00	0.00	5.41	0.86	0.00	0.86	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1149	0.600	30.00	0.00	0.00	0.00	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1150	0.500	30.00	0.00	0.00	0.00	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1151	0.400	30.00	0.00	0.00	0.00	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1152	0.300	30.00	0.00	0.00	0.00	5.41	0.85	0.00	0.85	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1153	0.200	30.00	0.00	0.00	0.00	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1154	0.100	30.00	0.00	0.00	0.00	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00
1155	0.000	30.00	0.00	0.00	0.00	5.41	0.84	0.00	0.84	0.00	0.57	0.04	1.24	1.85	0.00	0.00	0.00	0.	0.00

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

TRAVEL TIME = 15.37 DAYS

MAXIMUM EFFLUENT = 67.47 PERCENT

FLOW = 0.09485 TO 19.54008 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.01010 TO 0.37940 m/s
DEPTH = 0.25 TO 3.20 m
WIDTH = 1.00 TO 80.00 m

BOD DECAY = 0.17 TO 0.32 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 1.31 TO 1.88 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.26 TO 12.03 per day
BOD SETTLING = 0.00 TO 0.00 per day

ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.00 TO 9.46 mg/L

FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 3 Bayou Poydras #1 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS	CHL A	COLI #/100mL	NCM
126	HDWTR	0.06597	30.00	0.00	0.00	0.00	5.00	9.81	0.00	9.81	0.00	0.49	0.06	0.00	0.00	0.00	0.00	0.00
126	WSTLD	1.31438	30.00	0.00	0.00	0.00	5.00	5.00	0.00	5.00	0.00	1.50	1.50	2.00	0.00	0.00	0.00	0.00
148	WSTLD	0.00013	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	1.50	1.50	2.00	0.00	0.00	0.00	0.00
151	WSTLD	0.00003	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	1.50	1.50	2.00	0.00	0.00	0.00	0.00
158	WSTLD	0.00028	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	1.50	1.50	2.00	0.00	0.00	0.00	0.00
164	WSTLD	0.00007	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	1.50	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
126	10.30	10.20	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
127	10.20	10.10	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
128	10.10	10.00	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
129	10.00	9.90	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
130	9.90	9.80	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
131	9.80	9.70	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
132	9.70	9.60	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
133	9.60	9.50	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
134	9.50	9.40	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
135	9.40	9.30	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
136	9.30	9.20	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
137	9.20	9.10	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
138	9.10	9.00	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
139	9.00	8.90	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
140	8.90	8.80	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
141	8.80	8.70	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
142	8.70	8.60	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
143	8.60	8.50	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
144	8.50	8.40	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
145	8.40	8.30	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150

146	8.30	8.20	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
147	8.20	8.10	1.38035	95.2	1.15029	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
148	8.10	8.00	1.38048	95.2	1.15040	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
149	8.00	7.90	1.38048	95.2	1.15040	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
150	7.90	7.80	1.38048	95.2	1.15040	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
151	7.80	7.70	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
152	7.70	7.60	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
153	7.60	7.50	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
154	7.50	7.40	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
155	7.40	7.30	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
156	7.30	7.20	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
157	7.20	7.10	1.38051	95.2	1.15043	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.150
158	7.10	7.00	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
159	7.00	6.90	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
160	6.90	6.80	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
161	6.80	6.70	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
162	6.70	6.60	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
163	6.60	6.50	1.38079	95.2	1.15066	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
164	6.50	6.40	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
165	6.40	6.30	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
166	6.30	6.20	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
167	6.20	6.10	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
168	6.10	6.00	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
169	6.00	5.90	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
170	5.90	5.80	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
171	5.80	5.70	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
172	5.70	5.60	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
173	5.60	5.50	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
174	5.50	5.40	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
175	5.40	5.30	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
176	5.30	5.20	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
177	5.20	5.10	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
178	5.10	5.00	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
179	5.00	4.90	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
180	4.90	4.80	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
181	4.80	4.70	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
182	4.70	4.60	1.38086	95.2	1.15072	0.00	0.30	4.00	120.00	400.00	1.20	0.00	0.000	0.000	1.151
TOT						0.06		6840.00	22800.00						
AVG					1.1505		0.30	4.00			1.20				
CUM						0.06									

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 SETT 1/da	BOD#2 DECAY *	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 **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
126	10.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

127	10.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	10.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	9.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	9.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	9.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	9.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	9.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	9.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	9.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	9.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	9.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	9.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	8.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	8.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	8.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	8.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	8.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	8.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	8.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	8.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	8.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	7.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	7.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	7.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	7.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	7.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	7.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	7.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	7.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	7.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	7.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	6.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	6.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	6.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	6.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	6.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	6.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	6.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	6.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	6.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	6.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	5.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	5.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	5.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	5.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	5.500	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	5.400	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	5.300	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	5.200	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

177	5.100	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	5.000	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	4.900	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	4.800	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181	4.700	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182	4.600	7.56	12.03	0.16	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 10.00 0.10 0.00 0.00 0.00 0.00 0.00 1.00 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
126	10.200	30.00	0.00	0.00	0.00	5.02	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
127	10.100	30.00	0.00	0.00	0.00	5.04	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
128	10.000	30.00	0.00	0.00	0.00	5.06	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
129	9.900	30.00	0.00	0.00	0.00	5.08	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
130	9.800	30.00	0.00	0.00	0.00	5.10	5.23	0.00	5.23	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
131	9.700	30.00	0.00	0.00	0.00	5.12	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
132	9.600	30.00	0.00	0.00	0.00	5.14	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
133	9.500	30.00	0.00	0.00	0.00	5.16	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
134	9.400	30.00	0.00	0.00	0.00	5.18	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
135	9.300	30.00	0.00	0.00	0.00	5.20	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
136	9.200	30.00	0.00	0.00	0.00	5.22	5.22	0.00	5.22	0.00	1.45	1.43	1.91	4.79	0.00	0.00	0.00	0.	0.00
137	9.100	30.00	0.00	0.00	0.00	5.24	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
138	9.000	30.00	0.00	0.00	0.00	5.25	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
139	8.900	30.00	0.00	0.00	0.00	5.27	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
140	8.800	30.00	0.00	0.00	0.00	5.29	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
141	8.700	30.00	0.00	0.00	0.00	5.31	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
142	8.600	30.00	0.00	0.00	0.00	5.33	5.22	0.00	5.22	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
143	8.500	30.00	0.00	0.00	0.00	5.34	5.21	0.00	5.21	0.00	1.45	1.42	1.91	4.79	0.00	0.00	0.00	0.	0.00
144	8.400	30.00	0.00	0.00	0.00	5.36	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
145	8.300	30.00	0.00	0.00	0.00	5.38	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
146	8.200	30.00	0.00	0.00	0.00	5.39	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
147	8.100	30.00	0.00	0.00	0.00	5.41	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
148	8.000	30.00	0.00	0.00	0.00	5.43	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
149	7.900	30.00	0.00	0.00	0.00	5.44	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
150	7.800	30.00	0.00	0.00	0.00	5.46	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
151	7.700	30.00	0.00	0.00	0.00	5.47	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
152	7.600	30.00	0.00	0.00	0.00	5.49	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
153	7.500	30.00	0.00	0.00	0.00	5.50	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
154	7.400	30.00	0.00	0.00	0.00	5.52	5.21	0.00	5.21	0.00	1.45	1.42	1.92	4.79	0.00	0.00	0.00	0.	0.00
155	7.300	30.00	0.00	0.00	0.00	5.53	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.00	0.00	0.	0.00
156	7.200	30.00	0.00	0.00	0.00	5.55	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.00	0.00	0.	0.00
157	7.100	30.00	0.00	0.00	0.00	5.56	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.00	0.00	0.	0.00
158	7.000	30.00	0.00	0.00	0.00	5.58	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.00	0.00	0.	0.00

159	6.900	30.00	0.00	0.00	0.00	5.59	5.21	0.00	5.21	0.00	1.45	1.41	1.92	4.79	0.00	0.00	0.00	0.	0.00
160	6.800	30.00	0.00	0.00	0.00	5.60	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
161	6.700	30.00	0.00	0.00	0.00	5.62	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
162	6.600	30.00	0.00	0.00	0.00	5.63	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
163	6.500	30.00	0.00	0.00	0.00	5.65	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
164	6.400	30.00	0.00	0.00	0.00	5.66	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
165	6.300	30.00	0.00	0.00	0.00	5.67	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
166	6.200	30.00	0.00	0.00	0.00	5.68	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
167	6.100	30.00	0.00	0.00	0.00	5.70	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
168	6.000	30.00	0.00	0.00	0.00	5.71	5.21	0.00	5.21	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
169	5.900	30.00	0.00	0.00	0.00	5.72	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
170	5.800	30.00	0.00	0.00	0.00	5.74	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
171	5.700	30.00	0.00	0.00	0.00	5.75	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
172	5.600	30.00	0.00	0.00	0.00	5.76	5.20	0.00	5.20	0.00	1.45	1.41	1.93	4.79	0.00	0.00	0.00	0.	0.00
173	5.500	30.00	0.00	0.00	0.00	5.77	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.00	0.00	0.	0.00
174	5.400	30.00	0.00	0.00	0.00	5.78	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.00	0.00	0.	0.00
175	5.300	30.00	0.00	0.00	0.00	5.79	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.00	0.00	0.	0.00
176	5.200	30.00	0.00	0.00	0.00	5.81	5.20	0.00	5.20	0.00	1.45	1.40	1.93	4.79	0.00	0.00	0.00	0.	0.00
177	5.100	30.00	0.00	0.00	0.00	5.82	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00
178	5.000	30.00	0.00	0.00	0.00	5.83	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00
179	4.900	30.00	0.00	0.00	0.00	5.84	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00
180	4.800	30.00	0.00	0.00	0.00	5.85	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00
181	4.700	30.00	0.00	0.00	0.00	5.86	5.20	0.00	5.20	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00
182	4.600	30.00	0.00	0.00	0.00	5.87	5.19	0.00	5.19	0.00	1.45	1.40	1.94	4.79	0.00	0.00	0.00	0.	0.00

FINAL REPORT Bayou Poydras #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 4 Bayou Poydras #2 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS #/100mL	CHL A	COLI	NCM
183	UPR RCH	1.38086	30.00	0.00	0.00	0.00	5.87	5.19	0.00	5.19	0.00	1.45	1.40	1.94	0.00	0.00	0.00	0.00
EACH	INCR	0.00410	30.00	0.00	0.00	0.00	5.00	12.16	0.00		0.90	0.00	0.32	0.00	0.00	0.00		
186	WSTLD	0.00175	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	1.50	1.50	2.00	0.00	0.00	0.00	0.00
187	WSTLD	0.00053	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	1.50	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
183	4.60	4.50	1.38496	94.9	0.28853	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.289
184	4.50	4.40	1.38907	94.7	0.28939	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.289
185	4.40	4.30	1.39317	94.4	0.29024	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.290

186	4.30	4.20	1.39903	94.1	0.29146	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.291
187	4.20	4.10	1.40366	93.8	0.29243	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.292
188	4.10	4.00	1.40777	93.6	0.29328	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.293
189	4.00	3.90	1.41187	93.3	0.29414	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.294
190	3.90	3.80	1.41598	93.0	0.29499	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.295
191	3.80	3.70	1.42008	92.8	0.29585	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.296
192	3.70	3.60	1.42418	92.5	0.29670	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.297
193	3.60	3.50	1.42829	92.2	0.29756	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.298
194	3.50	3.40	1.43239	92.0	0.29842	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.298
195	3.40	3.30	1.43650	91.7	0.29927	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.299
196	3.30	3.20	1.44060	91.4	0.30013	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.300
197	3.20	3.10	1.44471	91.2	0.30098	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.301
198	3.10	3.00	1.44881	90.9	0.30184	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.302
199	3.00	2.90	1.45291	90.7	0.30269	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.303
200	2.90	2.80	1.45702	90.4	0.30355	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.304
201	2.80	2.70	1.46112	90.1	0.30440	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.304
202	2.70	2.60	1.46523	89.9	0.30526	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.305
203	2.60	2.50	1.46933	89.6	0.30611	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.306
204	2.50	2.40	1.47344	89.4	0.30697	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.307
205	2.40	2.30	1.47754	89.1	0.30782	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.308
206	2.30	2.20	1.48165	88.9	0.30868	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.309
207	2.20	2.10	1.48575	88.7	0.30953	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.310
208	2.10	2.00	1.48985	88.4	0.31039	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.310
209	2.00	1.90	1.49396	88.2	0.31124	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.311
210	1.90	1.80	1.49806	87.9	0.31210	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.312
211	1.80	1.70	1.50217	87.7	0.31295	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.313
212	1.70	1.60	1.50627	87.4	0.31381	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.314
213	1.60	1.50	1.51038	87.2	0.31466	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.315
214	1.50	1.40	1.51448	87.0	0.31552	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.316
215	1.40	1.30	1.51858	86.7	0.31637	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.316
216	1.30	1.20	1.52269	86.5	0.31723	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.317
217	1.20	1.10	1.52679	86.3	0.31808	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.318
218	1.10	1.00	1.53090	86.0	0.31894	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.319
219	1.00	0.90	1.53500	85.8	0.31979	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.320
220	0.90	0.80	1.53911	85.6	0.32065	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.321
221	0.80	0.70	1.54321	85.4	0.32150	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.322
222	0.70	0.60	1.54732	85.1	0.32236	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.322
223	0.60	0.50	1.55142	84.9	0.32321	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.323
224	0.50	0.40	1.55552	84.7	0.32407	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.324
225	0.40	0.30	1.55963	84.5	0.32492	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.325
226	0.30	0.20	1.56373	84.2	0.32578	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.326
227	0.20	0.10	1.56784	84.0	0.32663	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.327
228	0.10	0.00	1.57194	83.8	0.32749	0.00	0.60	8.00	480.00	800.00	4.80	0.00	0.000	0.000	0.327

TOT					0.17			22080.00	36800.00						
AVG				0.3078		0.60	8.00			4.80					
CUM					0.23										

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	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 *	CORR DECAY **	ORGN SETT **	ORGN DECAY 1/da	NH3 SRCE 1/da	NH3 RATE	DENIT SRCE	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM	NCM SETT
183	4.500	7.56	5.47	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184	4.400	7.56	5.47	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	4.300	7.56	5.48	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
186	4.200	7.56	5.49	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187	4.100	7.56	5.50	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
188	4.000	7.56	5.51	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189	3.900	7.56	5.52	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190	3.800	7.56	5.53	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
191	3.700	7.56	5.54	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192	3.600	7.56	5.54	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193	3.500	7.56	5.55	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194	3.400	7.56	5.56	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	3.300	7.56	5.57	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196	3.200	7.56	5.58	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	3.100	7.56	5.58	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
198	3.000	7.56	5.59	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	2.900	7.56	5.60	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200	2.800	7.56	5.61	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
201	2.700	7.56	5.61	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202	2.600	7.56	5.62	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
203	2.500	7.56	5.63	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
204	2.400	7.56	5.64	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	2.300	7.56	5.65	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206	2.200	7.56	5.65	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
207	2.100	7.56	5.66	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
208	2.000	7.56	5.67	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
209	1.900	7.56	5.68	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210	1.800	7.56	5.69	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
211	1.700	7.56	5.69	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	1.600	7.56	5.70	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	1.500	7.56	5.71	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	1.400	7.56	5.72	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	1.300	7.56	5.72	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
216	1.200	7.56	5.73	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
217	1.100	7.56	5.74	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
218	1.000	7.56	5.75	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
219	0.900	7.56	5.75	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	0.800	7.56	5.76	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	0.700	7.56	5.77	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
222	0.600	7.56	5.78	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	0.500	7.56	5.79	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
224	0.400	7.56	5.79	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.300	7.56	5.80	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226	0.200	7.56	5.81	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
227	0.100	7.56	5.82	0.16	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.02	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

228 0.000 7.56 5.82 0.16 0.00 0.00 0.00 0.00 0.00 1.69 1.69 1.69 0.02 0.00 0.42 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

AVG 20 DEG C RATE 4.70 0.10 0.00 0.00 0.00 0.00 0.00 0.90 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
183	4.500	30.00	0.00	0.00	0.00	5.88	5.21	0.00	5.21	0.00	1.45	1.39	1.94	4.78	0.00	0.00	0.00	0.	0.00
184	4.400	30.00	0.00	0.00	0.00	5.89	5.23	0.00	5.23	0.00	1.45	1.39	1.93	4.77	0.00	0.00	0.00	0.	0.00
185	4.300	30.00	0.00	0.00	0.00	5.90	5.25	0.00	5.25	0.00	1.44	1.38	1.93	4.76	0.00	0.00	0.00	0.	0.00
186	4.200	30.00	0.00	0.00	0.00	5.91	5.29	0.00	5.29	0.00	1.44	1.37	1.93	4.75	0.00	0.00	0.00	0.	0.00
187	4.100	30.00	0.00	0.00	0.00	5.92	5.32	0.00	5.32	0.00	1.44	1.37	1.93	4.74	0.00	0.00	0.00	0.	0.00
188	4.000	30.00	0.00	0.00	0.00	5.93	5.34	0.00	5.34	0.00	1.44	1.36	1.92	4.73	0.00	0.00	0.00	0.	0.00
189	3.900	30.00	0.00	0.00	0.00	5.93	5.35	0.00	5.35	0.00	1.44	1.36	1.92	4.72	0.00	0.00	0.00	0.	0.00
190	3.800	30.00	0.00	0.00	0.00	5.94	5.37	0.00	5.37	0.00	1.44	1.35	1.92	4.71	0.00	0.00	0.00	0.	0.00
191	3.700	30.00	0.00	0.00	0.00	5.95	5.39	0.00	5.39	0.00	1.43	1.34	1.92	4.69	0.00	0.00	0.00	0.	0.00
192	3.600	30.00	0.00	0.00	0.00	5.96	5.40	0.00	5.40	0.00	1.43	1.34	1.91	4.68	0.00	0.00	0.00	0.	0.00
193	3.500	30.00	0.00	0.00	0.00	5.97	5.42	0.00	5.42	0.00	1.43	1.33	1.91	4.67	0.00	0.00	0.00	0.	0.00
194	3.400	30.00	0.00	0.00	0.00	5.97	5.43	0.00	5.43	0.00	1.43	1.33	1.91	4.67	0.00	0.00	0.00	0.	0.00
195	3.300	30.00	0.00	0.00	0.00	5.98	5.45	0.00	5.45	0.00	1.43	1.32	1.91	4.66	0.00	0.00	0.00	0.	0.00
196	3.200	30.00	0.00	0.00	0.00	5.99	5.47	0.00	5.47	0.00	1.43	1.32	1.90	4.65	0.00	0.00	0.00	0.	0.00
197	3.100	30.00	0.00	0.00	0.00	6.00	5.48	0.00	5.48	0.00	1.42	1.31	1.90	4.64	0.00	0.00	0.00	0.	0.00
198	3.000	30.00	0.00	0.00	0.00	6.00	5.50	0.00	5.50	0.00	1.42	1.30	1.90	4.63	0.00	0.00	0.00	0.	0.00
199	2.900	30.00	0.00	0.00	0.00	6.01	5.51	0.00	5.51	0.00	1.42	1.30	1.90	4.62	0.00	0.00	0.00	0.	0.00
200	2.800	30.00	0.00	0.00	0.00	6.02	5.53	0.00	5.53	0.00	1.42	1.29	1.89	4.61	0.00	0.00	0.00	0.	0.00
201	2.700	30.00	0.00	0.00	0.00	6.02	5.54	0.00	5.54	0.00	1.42	1.29	1.89	4.60	0.00	0.00	0.00	0.	0.00
202	2.600	30.00	0.00	0.00	0.00	6.03	5.56	0.00	5.56	0.00	1.42	1.28	1.89	4.59	0.00	0.00	0.00	0.	0.00
203	2.500	30.00	0.00	0.00	0.00	6.04	5.57	0.00	5.57	0.00	1.41	1.28	1.89	4.58	0.00	0.00	0.00	0.	0.00
204	2.400	30.00	0.00	0.00	0.00	6.04	5.59	0.00	5.59	0.00	1.41	1.27	1.89	4.57	0.00	0.00	0.00	0.	0.00
205	2.300	30.00	0.00	0.00	0.00	6.05	5.60	0.00	5.60	0.00	1.41	1.27	1.88	4.56	0.00	0.00	0.00	0.	0.00
206	2.200	30.00	0.00	0.00	0.00	6.06	5.62	0.00	5.62	0.00	1.41	1.26	1.88	4.55	0.00	0.00	0.00	0.	0.00
207	2.100	30.00	0.00	0.00	0.00	6.06	5.63	0.00	5.63	0.00	1.41	1.25	1.88	4.54	0.00	0.00	0.00	0.	0.00
208	2.000	30.00	0.00	0.00	0.00	6.07	5.65	0.00	5.65	0.00	1.41	1.25	1.88	4.53	0.00	0.00	0.00	0.	0.00
209	1.900	30.00	0.00	0.00	0.00	6.08	5.66	0.00	5.66	0.00	1.41	1.24	1.87	4.52	0.00	0.00	0.00	0.	0.00
210	1.800	30.00	0.00	0.00	0.00	6.08	5.68	0.00	5.68	0.00	1.40	1.24	1.87	4.51	0.00	0.00	0.00	0.	0.00
211	1.700	30.00	0.00	0.00	0.00	6.09	5.69	0.00	5.69	0.00	1.40	1.23	1.87	4.51	0.00	0.00	0.00	0.	0.00
212	1.600	30.00	0.00	0.00	0.00	6.09	5.71	0.00	5.71	0.00	1.40	1.23	1.87	4.50	0.00	0.00	0.00	0.	0.00
213	1.500	30.00	0.00	0.00	0.00	6.10	5.72	0.00	5.72	0.00	1.40	1.22	1.86	4.49	0.00	0.00	0.00	0.	0.00
214	1.400	30.00	0.00	0.00	0.00	6.11	5.73	0.00	5.73	0.00	1.40	1.22	1.86	4.48	0.00	0.00	0.00	0.	0.00
215	1.300	30.00	0.00	0.00	0.00	6.11	5.75	0.00	5.75	0.00	1.40	1.21	1.86	4.47	0.00	0.00	0.00	0.	0.00
216	1.200	30.00	0.00	0.00	0.00	6.12	5.76	0.00	5.76	0.00	1.40	1.21	1.86	4.46	0.00	0.00	0.00	0.	0.00
217	1.100	30.00	0.00	0.00	0.00	6.12	5.78	0.00	5.78	0.00	1.39	1.20	1.86	4.45	0.00	0.00	0.00	0.	0.00
218	1.000	30.00	0.00	0.00	0.00	6.13	5.79	0.00	5.79	0.00	1.39	1.20	1.85	4.44	0.00	0.00	0.00	0.	0.00
219	0.900	30.00	0.00	0.00	0.00	6.13	5.80	0.00	5.80	0.00	1.39	1.19	1.85	4.43	0.00	0.00	0.00	0.	0.00
220	0.800	30.00	0.00	0.00	0.00	6.14	5.82	0.00	5.82	0.00	1.39	1.19	1.85	4.43	0.00	0.00	0.00	0.	0.00

221	0.700	30.00	0.00	0.00	0.00	6.14	5.83	0.00	5.83	0.00	1.39	1.18	1.85	4.42	0.00	0.00	0.00	0.	0.00
222	0.600	30.00	0.00	0.00	0.00	6.15	5.84	0.00	5.84	0.00	1.39	1.18	1.84	4.41	0.00	0.00	0.00	0.	0.00
223	0.500	30.00	0.00	0.00	0.00	6.15	5.86	0.00	5.86	0.00	1.39	1.17	1.84	4.40	0.00	0.00	0.00	0.	0.00
224	0.400	30.00	0.00	0.00	0.00	6.16	5.87	0.00	5.87	0.00	1.38	1.17	1.84	4.39	0.00	0.00	0.00	0.	0.00
225	0.300	30.00	0.00	0.00	0.00	6.16	5.88	0.00	5.88	0.00	1.38	1.16	1.84	4.38	0.00	0.00	0.00	0.	0.00
226	0.200	30.00	0.00	0.00	0.00	6.17	5.90	0.00	5.90	0.00	1.38	1.16	1.83	4.38	0.00	0.00	0.00	0.	0.00
227	0.100	30.00	0.00	0.00	0.00	6.17	5.91	0.00	5.91	0.00	1.38	1.16	1.83	4.37	0.00	0.00	0.00	0.	0.00
228	0.000	30.00	0.00	0.00	0.00	6.18	5.92	0.00	5.92	0.00	1.38	1.15	1.83	4.36	0.00	0.00	0.00	0.	0.00

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

TRAVEL TIME = 0.23 DAYS

MAXIMUM EFFLUENT = 95.22 PERCENT

FLOW = 1.38035 TO 1.57194 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.28853 TO 1.15072 m/s
DEPTH = 0.30 TO 0.60 m
WIDTH = 4.00 TO 8.00 m

BOD DECAY = 0.16 TO 0.16 per day
NH3 DECAY = 0.41 TO 0.42 per day
SOD = 1.69 TO 1.88 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 5.47 TO 12.03 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.02 TO 6.18 mg/L

FINAL REPORT Chamberlin Canal #1 — LA-QUAL Model for Upper Terrebonne
REACH NO. 6 Chamberlin Canal #1 — Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A #/100mL	COLI	NCM
272	HDWTR	0.00050	30.00	0.00	0.00	0.00	6.00	2.60	0.00	2.60	0.00	0.33	0.10	0.07	0.00	0.00	0.00	0.00
EACH	INCR	0.00005	30.00	0.00	0.00	0.00	5.00	7.00	0.00			0.67	0.00	0.05	0.00	0.00	0.00	

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	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
272	7.50	7.40	0.00055	0.0	0.00273	0.42	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.003	
273	7.40	7.30	0.00059	0.0	0.00295	0.39	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.003	
274	7.30	7.20	0.00064	0.0	0.00318	0.36	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.003	
275	7.20	7.10	0.00068	0.0	0.00341	0.34	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.003	
276	7.10	7.00	0.00073	0.0	0.00364	0.32	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.004	
277	7.00	6.90	0.00077	0.0	0.00386	0.30	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.004	
278	6.90	6.80	0.00082	0.0	0.00409	0.28	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.004	
279	6.80	6.70	0.00086	0.0	0.00432	0.27	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.004	
280	6.70	6.60	0.00091	0.0	0.00455	0.25	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.005	
281	6.60	6.50	0.00095	0.0	0.00477	0.24	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.005	
282	6.50	6.40	0.00100	0.0	0.00500	0.23	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.005	
283	6.40	6.30	0.00105	0.0	0.00523	0.22	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.005	
284	6.30	6.20	0.00109	0.0	0.00545	0.21	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.005	
285	6.20	6.10	0.00114	0.0	0.00568	0.20	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.006	
286	6.10	6.00	0.00118	0.0	0.00591	0.20	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.006	
287	6.00	5.90	0.00123	0.0	0.00614	0.19	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.006	
288	5.90	5.80	0.00127	0.0	0.00636	0.18	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.006	
289	5.80	5.70	0.00132	0.0	0.00659	0.18	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.007	
290	5.70	5.60	0.00136	0.0	0.00682	0.17	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.007	
291	5.60	5.50	0.00141	0.0	0.00705	0.16	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.007	
292	5.50	5.40	0.00145	0.0	0.00727	0.16	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.007	
293	5.40	5.30	0.00150	0.0	0.00750	0.15	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.008	
294	5.30	5.20	0.00155	0.0	0.00773	0.15	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.008	
295	5.20	5.10	0.00159	0.0	0.00795	0.15	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.008	
296	5.10	5.00	0.00164	0.0	0.00818	0.14	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.008	
297	5.00	4.90	0.00168	0.0	0.00841	0.14	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.008	
298	4.90	4.80	0.00173	0.0	0.00864	0.13	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.009	
299	4.80	4.70	0.00177	0.0	0.00886	0.13	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.009	
300	4.70	4.60	0.00182	0.0	0.00909	0.13	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.009	
301	4.60	4.50	0.00186	0.0	0.00932	0.12	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.009	
302	4.50	4.40	0.00191	0.0	0.00955	0.12	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.010	
303	4.40	4.30	0.00195	0.0	0.00977	0.12	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.010	
304	4.30	4.20	0.00200	0.0	0.01000	0.12	0.10	2.00	20.00	200.00	0.20	0.00	0.000	0.000	0.010	
TOT					6.89			660.00	6600.00							
AVG				0.0055		0.10	2.00				0.20					
CUM					6.89											

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

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

272	7.400	7.56	8.42	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	7.300	7.56	8.42	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	7.200	7.56	8.44	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	7.100	7.56	8.73	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	7.000	7.56	9.02	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	6.900	7.56	9.30	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	6.800	7.56	9.57	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	6.700	7.56	9.83	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	6.600	7.56	10.08	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	6.500	7.56	10.33	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	6.400	7.56	10.58	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	6.300	7.56	10.81	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	6.200	7.56	11.05	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	6.100	7.56	11.27	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	6.000	7.56	11.50	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287	5.900	7.56	11.72	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
288	5.800	7.56	11.93	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
289	5.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
290	5.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
291	5.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292	5.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
293	5.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
294	5.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	5.100	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	5.000	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
297	4.900	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
298	4.800	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	4.700	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	4.600	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
301	4.500	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	4.400	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
303	4.300	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	4.200	7.56	12.03	0.21	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.01	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 9.16 0.13 0.00 0.00 0.00 0.00 0.00 1.00 0.01 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
272	7.400	30.00	0.00	0.00	0.00	5.39	2.73	0.00	2.73	0.00	0.36	0.08	0.08	0.52	0.00	0.00	0.00	0.	0.00
273	7.300	30.00	0.00	0.00	0.00	5.27	2.83	0.00	2.83	0.00	0.38	0.06	0.09	0.53	0.00	0.00	0.00	0.	0.00
274	7.200	30.00	0.00	0.00	0.00	5.25	2.91	0.00	2.91	0.00	0.40	0.05	0.10	0.55	0.00	0.00	0.00	0.	0.00
275	7.100	30.00	0.00	0.00	0.00	5.31	2.97	0.00	2.97	0.00	0.41	0.05	0.10	0.56	0.00	0.00	0.00	0.	0.00
276	7.000	30.00	0.00	0.00	0.00	5.37	3.03	0.00	3.03	0.00	0.43	0.04	0.10	0.57	0.00	0.00	0.00	0.	0.00
277	6.900	30.00	0.00	0.00	0.00	5.43	3.07	0.00	3.07	0.00	0.44	0.03	0.10	0.58	0.00	0.00	0.00	0.	0.00

278	6.800	30.00	0.00	0.00	0.00	5.49	3.11	0.00	3.11	0.00	0.45	0.03	0.10	0.59	0.00	0.00	0.00	0.	0.00
279	6.700	30.00	0.00	0.00	0.00	5.55	3.14	0.00	3.14	0.00	0.46	0.03	0.10	0.59	0.00	0.00	0.00	0.	0.00
280	6.600	30.00	0.00	0.00	0.00	5.60	3.17	0.00	3.17	0.00	0.47	0.02	0.10	0.60	0.00	0.00	0.00	0.	0.00
281	6.500	30.00	0.00	0.00	0.00	5.64	3.19	0.00	3.19	0.00	0.48	0.02	0.10	0.60	0.00	0.00	0.00	0.	0.00
282	6.400	30.00	0.00	0.00	0.00	5.69	3.21	0.00	3.21	0.00	0.49	0.02	0.10	0.61	0.00	0.00	0.00	0.	0.00
283	6.300	30.00	0.00	0.00	0.00	5.73	3.23	0.00	3.23	0.00	0.49	0.02	0.10	0.61	0.00	0.00	0.00	0.	0.00
284	6.200	30.00	0.00	0.00	0.00	5.77	3.24	0.00	3.24	0.00	0.50	0.02	0.10	0.62	0.00	0.00	0.00	0.	0.00
285	6.100	30.00	0.00	0.00	0.00	5.80	3.26	0.00	3.26	0.00	0.50	0.02	0.10	0.62	0.00	0.00	0.00	0.	0.00
286	6.000	30.00	0.00	0.00	0.00	5.84	3.27	0.00	3.27	0.00	0.51	0.02	0.10	0.63	0.00	0.00	0.00	0.	0.00
287	5.900	30.00	0.00	0.00	0.00	5.87	3.28	0.00	3.28	0.00	0.51	0.02	0.10	0.63	0.00	0.00	0.00	0.	0.00
288	5.800	30.00	0.00	0.00	0.00	5.90	3.29	0.00	3.29	0.00	0.52	0.02	0.10	0.63	0.00	0.00	0.00	0.	0.00
289	5.700	30.00	0.00	0.00	0.00	5.92	3.30	0.00	3.30	0.00	0.52	0.01	0.10	0.64	0.00	0.00	0.00	0.	0.00
290	5.600	30.00	0.00	0.00	0.00	5.92	3.31	0.00	3.31	0.00	0.53	0.01	0.10	0.64	0.00	0.00	0.00	0.	0.00
291	5.500	30.00	0.00	0.00	0.00	5.92	3.31	0.00	3.31	0.00	0.53	0.01	0.10	0.64	0.00	0.00	0.00	0.	0.00
292	5.400	30.00	0.00	0.00	0.00	5.92	3.32	0.00	3.32	0.00	0.53	0.01	0.10	0.64	0.00	0.00	0.00	0.	0.00
293	5.300	30.00	0.00	0.00	0.00	5.92	3.33	0.00	3.33	0.00	0.54	0.01	0.10	0.65	0.00	0.00	0.00	0.	0.00
294	5.200	30.00	0.00	0.00	0.00	5.92	3.33	0.00	3.33	0.00	0.54	0.01	0.10	0.65	0.00	0.00	0.00	0.	0.00
295	5.100	30.00	0.00	0.00	0.00	5.92	3.34	0.00	3.34	0.00	0.54	0.01	0.10	0.65	0.00	0.00	0.00	0.	0.00
296	5.000	30.00	0.00	0.00	0.00	5.92	3.34	0.00	3.34	0.00	0.55	0.01	0.09	0.65	0.00	0.00	0.00	0.	0.00
297	4.900	30.00	0.00	0.00	0.00	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.65	0.00	0.00	0.00	0.	0.00
298	4.800	30.00	0.00	0.00	0.00	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
299	4.700	30.00	0.00	0.00	0.00	5.92	3.35	0.00	3.35	0.00	0.55	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
300	4.600	30.00	0.00	0.00	0.00	5.92	3.36	0.00	3.36	0.00	0.55	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
301	4.500	30.00	0.00	0.00	0.00	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
302	4.400	30.00	0.00	0.00	0.00	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
303	4.300	30.00	0.00	0.00	0.00	5.92	3.36	0.00	3.36	0.00	0.56	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00
304	4.200	30.00	0.00	0.00	0.00	5.92	3.37	0.00	3.37	0.00	0.56	0.01	0.09	0.66	0.00	0.00	0.00	0.	0.00

FINAL REPORT Chamberlin Canal #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 7 Chamberlin Canal #2 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A #/100mL	COLI	NCM
305	UPR RCH	0.00200	30.00	0.00	0.00	0.00	5.92	3.37	0.00	3.37	0.00	0.56	0.01	0.09	0.00	0.00	0.00	0.00
EACH	INCR	0.00012	30.00	0.00	0.00	0.00	5.00	7.00	0.00			0.67	0.00	0.05	0.00	0.00	0.00	
305	WSTLD	0.00215	30.00	0.00	0.00	0.00	6.00	10.00	0.00	10.00	0.00	2.00	1.50	0.50	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
305	4.20	4.10	0.00427	50.4	0.00285	0.41	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003

306	4.10	4.00	0.00439	49.0	0.00293	0.40	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
307	4.00	3.90	0.00451	47.7	0.00300	0.39	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
308	3.90	3.80	0.00463	46.5	0.00308	0.38	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
309	3.80	3.70	0.00475	45.3	0.00316	0.37	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
310	3.70	3.60	0.00486	44.2	0.00324	0.36	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
311	3.60	3.50	0.00498	43.1	0.00332	0.35	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
312	3.50	3.40	0.00510	42.1	0.00340	0.34	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
313	3.40	3.30	0.00522	41.2	0.00348	0.33	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.003
314	3.30	3.20	0.00534	40.3	0.00356	0.33	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
315	3.20	3.10	0.00546	39.4	0.00364	0.32	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
316	3.10	3.00	0.00558	38.5	0.00372	0.31	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
317	3.00	2.90	0.00570	37.7	0.00380	0.30	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
318	2.90	2.80	0.00582	37.0	0.00388	0.30	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
319	2.80	2.70	0.00594	36.2	0.00396	0.29	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
320	2.70	2.60	0.00605	35.5	0.00404	0.29	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
321	2.60	2.50	0.00617	34.8	0.00412	0.28	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
322	2.50	2.40	0.00629	34.2	0.00420	0.28	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
323	2.40	2.30	0.00641	33.5	0.00427	0.27	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
324	2.30	2.20	0.00653	32.9	0.00435	0.27	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
325	2.20	2.10	0.00665	32.3	0.00443	0.26	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.004
326	2.10	2.00	0.00677	31.8	0.00451	0.26	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
327	2.00	1.90	0.00689	31.2	0.00459	0.25	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
328	1.90	1.80	0.00701	30.7	0.00467	0.25	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
329	1.80	1.70	0.00713	30.2	0.00475	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
330	1.70	1.60	0.00725	29.7	0.00483	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
331	1.60	1.50	0.00736	29.2	0.00491	0.24	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
332	1.50	1.40	0.00748	28.7	0.00499	0.23	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
333	1.40	1.30	0.00760	28.3	0.00507	0.23	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
334	1.30	1.20	0.00772	27.8	0.00515	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
335	1.20	1.10	0.00784	27.4	0.00523	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
336	1.10	1.00	0.00796	27.0	0.00531	0.22	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
337	1.00	0.90	0.00808	26.6	0.00539	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
338	0.90	0.80	0.00820	26.2	0.00547	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.005
339	0.80	0.70	0.00832	25.9	0.00554	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
340	0.70	0.60	0.00844	25.5	0.00562	0.21	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
341	0.60	0.50	0.00855	25.1	0.00570	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
342	0.50	0.40	0.00867	24.8	0.00578	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
343	0.40	0.30	0.00879	24.5	0.00586	0.20	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
344	0.30	0.20	0.00891	24.1	0.00594	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
345	0.20	0.10	0.00903	23.8	0.00602	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
346	0.10	0.00	0.00915	23.5	0.00610	0.19	0.30	5.00	150.00	500.00	1.50	0.00	0.000	0.000	0.006
TOT					11.42				6300.00	21000.00					
AVG				0.0043			0.30	5.00			1.50				
CUM					18.31										

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

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

NO.	DIST mg/L	D.O. 1/da	RATE 1/da	DECAY 1/da	SETT 1/da	DECAY 1/da	DECAY 1/da	SETT *	DECAY *	SOD 1/da	SOD 1/da	SOD *	DECAY 1/da	SETT *	DECAY **	SRCE **	RATE 1/da	SRCE 1/da	PROD	PROD	DECAY	DECAY	SETT
305	4.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
306	4.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
307	3.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00
308	3.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
309	3.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
310	3.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
311	3.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
312	3.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00
313	3.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
314	3.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.41	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
315	3.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
316	3.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00
317	2.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
318	2.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
319	2.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.87	0.00	0.00	0.00	0.00
320	2.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00
321	2.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
322	2.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
323	2.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.00
324	2.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.49	0.00	0.00	0.00	0.00
325	2.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
326	2.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
327	1.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.42	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
328	1.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
329	1.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00
330	1.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00
331	1.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00
332	1.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.48	0.00	0.00	0.00	0.00
333	1.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.61	0.00	0.00	0.00	0.00
334	1.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00
335	1.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00
336	1.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00
337	0.900	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.10	0.00	0.00	0.00	0.00
338	0.800	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
339	0.700	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.35	0.00	0.00	0.00	0.00
340	0.600	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.48	0.00	0.00	0.00	0.00
341	0.500	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00
342	0.400	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.73	0.00	0.00	0.00	0.00
343	0.300	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00
344	0.200	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	4.97	0.00	0.00	0.00	0.00
345	0.100	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00
346	0.000	7.56	2.81	0.21	0.00	0.00	0.00	0.00	0.00	1.69	1.69	1.69	0.01	0.00	0.43	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			2.33	0.13	0.00	0.00	0.00	0.00	0.00	0.90			0.01	0.00	0.20	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
305	4.100	30.00	0.00	0.00	0.00	5.29	6.28	0.00	6.28	0.00	1.28	0.66	0.40	2.34	0.00	1.57	0.00	0.	0.00
306	4.000	30.00	0.00	0.00	0.00	5.06	5.83	0.00	5.83	0.00	1.26	0.56	0.48	2.29	0.00	3.14	0.00	0.	0.00
307	3.900	30.00	0.00	0.00	0.00	5.02	5.43	0.00	5.43	0.00	1.24	0.47	0.53	2.25	0.00	4.71	0.00	0.	0.00
308	3.800	30.00	0.00	0.00	0.00	5.06	5.08	0.00	5.08	0.00	1.22	0.40	0.57	2.20	0.00	6.29	0.00	0.	0.00
309	3.700	30.00	0.00	0.00	0.00	5.13	4.77	0.00	4.77	0.00	1.20	0.35	0.60	2.15	0.00	7.86	0.00	0.	0.00
310	3.600	30.00	0.00	0.00	0.00	5.22	4.49	0.00	4.49	0.00	1.18	0.30	0.62	2.10	0.00	9.43	0.00	0.	0.00
311	3.500	30.00	0.00	0.00	0.00	5.30	4.25	0.00	4.25	0.00	1.16	0.26	0.63	2.05	0.00	11.00	0.00	0.	0.00
312	3.400	30.00	0.00	0.00	0.00	5.38	4.03	0.00	4.03	0.00	1.15	0.23	0.63	2.00	0.00	12.57	0.00	0.	0.00
313	3.300	30.00	0.00	0.00	0.00	5.45	3.83	0.00	3.83	0.00	1.13	0.20	0.62	1.96	0.00	14.14	0.00	0.	0.00
314	3.200	30.00	0.00	0.00	0.00	5.52	3.66	0.00	3.66	0.00	1.12	0.18	0.62	1.91	0.00	15.71	0.00	0.	0.00
315	3.100	30.00	0.00	0.00	0.00	5.59	3.50	0.00	3.50	0.00	1.10	0.16	0.60	1.86	0.00	17.29	0.00	0.	0.00
316	3.000	30.00	0.00	0.00	0.00	5.66	3.36	0.00	3.36	0.00	1.09	0.14	0.58	1.81	0.00	18.86	0.00	0.	0.00
317	2.900	30.00	0.00	0.00	0.00	5.72	3.24	0.00	3.24	0.00	1.08	0.12	0.56	1.77	0.00	20.43	0.00	0.	0.00
318	2.800	30.00	0.00	0.00	0.00	5.78	3.12	0.00	3.12	0.00	1.07	0.11	0.54	1.72	0.00	22.00	0.00	0.	0.00
319	2.700	30.00	0.00	0.00	0.00	5.84	3.02	0.00	3.02	0.00	1.05	0.10	0.52	1.67	0.00	23.57	0.00	0.	0.00
320	2.600	30.00	0.00	0.00	0.00	5.90	2.92	0.00	2.92	0.00	1.04	0.09	0.49	1.62	0.00	25.14	0.00	0.	0.00
321	2.500	30.00	0.00	0.00	0.00	5.95	2.84	0.00	2.84	0.00	1.03	0.08	0.46	1.58	0.00	26.71	0.00	0.	0.00
322	2.400	30.00	0.00	0.00	0.00	6.01	2.76	0.00	2.76	0.00	1.02	0.08	0.43	1.53	0.00	28.29	0.00	0.	0.00
323	2.300	30.00	0.00	0.00	0.00	6.06	2.69	0.00	2.69	0.00	1.01	0.07	0.40	1.48	0.00	29.86	0.00	0.	0.00
324	2.200	30.00	0.00	0.00	0.00	6.11	2.62	0.00	2.62	0.00	1.00	0.06	0.37	1.44	0.00	31.43	0.00	0.	0.00
325	2.100	30.00	0.00	0.00	0.00	6.16	2.56	0.00	2.56	0.00	0.99	0.06	0.34	1.39	0.00	33.00	0.00	0.	0.00
326	2.000	30.00	0.00	0.00	0.00	6.21	2.51	0.00	2.51	0.00	0.98	0.06	0.30	1.34	0.00	34.57	0.00	0.	0.00
327	1.900	30.00	0.00	0.00	0.00	6.26	2.46	0.00	2.46	0.00	0.98	0.05	0.27	1.30	0.00	36.14	0.00	0.	0.00
328	1.800	30.00	0.00	0.00	0.00	6.31	2.41	0.00	2.41	0.00	0.97	0.05	0.23	1.25	0.00	37.71	0.00	0.	0.00
329	1.700	30.00	0.00	0.00	0.00	6.35	2.37	0.00	2.37	0.00	0.96	0.05	0.20	1.20	0.00	39.29	0.00	0.	0.00
330	1.600	30.00	0.00	0.00	0.00	6.40	2.33	0.00	2.33	0.00	0.95	0.04	0.16	1.16	0.00	40.86	0.00	0.	0.00
331	1.500	30.00	0.00	0.00	0.00	6.45	2.30	0.00	2.30	0.00	0.94	0.04	0.12	1.11	0.00	42.43	0.00	0.	0.00
332	1.400	30.00	0.00	0.00	0.00	6.49	2.26	0.00	2.26	0.00	0.94	0.04	0.08	1.06	0.00	44.00	0.00	0.	0.00
333	1.300	30.00	0.00	0.00	0.00	6.54	2.23	0.00	2.23	0.00	0.93	0.04	0.05	1.02	0.00	45.57	0.00	0.	0.00
334	1.200	30.00	0.00	0.00	0.00	6.59	2.20	0.00	2.20	0.00	0.92	0.04	0.01	0.97	0.00	47.14	0.00	0.	0.00
335	1.100	30.00	0.00	0.00	0.00	6.63	2.18	0.00	2.18	0.00	0.92	0.04	0.00	0.95	0.00	48.71	0.00	0.	0.00
336	1.000	30.00	0.00	0.00	0.00	6.68	2.15	0.00	2.15	0.00	0.91	0.03	0.00	0.95	0.00	50.29	0.00	0.	0.00
337	0.900	30.00	0.00	0.00	0.00	6.72	2.13	0.00	2.13	0.00	0.91	0.03	0.00	0.94	0.00	51.86	0.00	0.	0.00
338	0.800	30.00	0.00	0.00	0.00	6.77	2.11	0.00	2.11	0.00	0.90	0.03	0.00	0.93	0.00	53.43	0.00	0.	0.00
339	0.700	30.00	0.00	0.00	0.00	6.81	2.09	0.00	2.09	0.00	0.89	0.03	0.00	0.93	0.00	55.00	0.00	0.	0.00
340	0.600	30.00	0.00	0.00	0.00	6.85	2.07	0.00	2.07	0.00	0.89	0.03	0.00	0.92	0.00	56.57	0.00	0.	0.00
341	0.500	30.00	0.00	0.00	0.00	6.90	2.05	0.00	2.05	0.00	0.88	0.03	0.00	0.91	0.00	58.14	0.00	0.	0.00
342	0.400	30.00	0.00	0.00	0.00	6.94	2.04	0.00	2.04	0.00	0.88	0.03	0.00	0.91	0.00	59.71	0.00	0.	0.00
343	0.300	30.00	0.00	0.00	0.00	6.99	2.02	0.00	2.02	0.00	0.87	0.03	0.00	0.90	0.00	61.29	0.00	0.	0.00
344	0.200	30.00	0.00	0.00	0.00	7.03	2.01	0.00	2.01	0.00	0.87	0.03	0.00	0.90	0.00	62.86	0.00	0.	0.00
345	0.100	30.00	0.00	0.00	0.00	7.07	2.00	0.00	2.00	0.00	0.86	0.03	0.00	0.89	0.00	64.43	0.00	0.	0.00
346	0.000	30.00	0.00	0.00	0.00	7.12	1.98	0.00	1.98	0.00	0.86	0.03	0.00	0.89	0.00	66.00	0.00	0.	0.00

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

TRAVEL TIME = 18.31 DAYS

MAXIMUM EFFLUENT = 50.36 PERCENT

FLOW = 0.00055 TO 0.00915 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.00273 TO 0.01000 m/s
DEPTH = 0.10 TO 0.30 m
WIDTH = 2.00 TO 5.00 m

BOD DECAY = 0.21 TO 0.21 per day
NH3 DECAY = 0.41 TO 0.43 per day
SOD = 1.69 TO 1.88 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 2.81 TO 12.03 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.01 TO 0.01 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.02 TO 7.12 mg/L

FINAL REPORT Intracoastal Waterwa — LA-QUAL Model for Upper Terrebonne
REACH NO. 9 Intracoastal Waterway #1 — Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A	COLI #/100mL	NCM
420	HDWTR	7.53000	30.00	0.00	0.00	0.00	7.40	0.55	0.00	0.55	0.00	0.28	0.03	1.70	0.00	0.00	0.00	0.00
428	WSTLD	0.00105	30.00	0.00	0.00	0.00	5.00	30.90	0.00	30.90	0.00	0.30	1.50	10.00	0.00	0.00	0.00	0.00
456	WSTLD	0.00031	30.00	0.00	0.00	0.00	5.00	20.00	0.00	20.00	0.00	0.30	1.50	1.70	0.00	0.00	0.00	0.00
463	WSTLD	0.01314	30.00	0.00	0.00	0.00	5.00	10.00	0.00	10.00	0.00	0.30	4.00	10.00	0.00	0.00	0.00	0.00
550	WSTLD	0.01936	30.00	0.00	0.00	0.00	5.00	14.80	0.00	14.80	0.00	0.30	3.50	10.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN VELO m^2/s	MEAN m/s
420	13.40	13.30	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
421	13.30	13.20	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033

422	13.20	13.10	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
423	13.10	13.00	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
424	13.00	12.90	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
425	12.90	12.80	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
426	12.80	12.70	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
427	12.70	12.60	7.53000	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
428	12.60	12.50	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
429	12.50	12.40	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
430	12.40	12.30	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
431	12.30	12.20	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
432	12.20	12.10	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
433	12.10	12.00	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
434	12.00	11.90	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
435	11.90	11.80	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
436	11.80	11.70	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
437	11.70	11.60	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
438	11.60	11.50	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
439	11.50	11.40	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
440	11.40	11.30	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
441	11.30	11.20	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
442	11.20	11.10	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
443	11.10	11.00	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
444	11.00	10.90	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
445	10.90	10.80	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
446	10.80	10.70	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
447	10.70	10.60	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
448	10.60	10.50	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
449	10.50	10.40	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
450	10.40	10.30	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
451	10.30	10.20	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
452	10.20	10.10	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
453	10.10	10.00	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
454	10.00	9.90	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
455	9.90	9.80	7.53105	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
456	9.80	9.70	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
457	9.70	9.60	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
458	9.60	9.50	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
459	9.50	9.40	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
460	9.40	9.30	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
461	9.30	9.20	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
462	9.20	9.10	7.53136	0.0	0.03303	0.04	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
463	9.10	9.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
464	9.00	8.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
465	8.90	8.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
466	8.80	8.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
467	8.70	8.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
468	8.60	8.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
469	8.50	8.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
470	8.40	8.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
471	8.30	8.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033

472	8.20	8.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
473	8.10	8.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
474	8.00	7.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
475	7.90	7.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
476	7.80	7.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
477	7.70	7.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
478	7.60	7.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
479	7.50	7.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
480	7.40	7.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
481	7.30	7.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
482	7.20	7.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
483	7.10	7.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
484	7.00	6.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
485	6.90	6.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
486	6.80	6.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
487	6.70	6.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
488	6.60	6.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
489	6.50	6.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
490	6.40	6.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
491	6.30	6.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
492	6.20	6.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
493	6.10	6.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
494	6.00	5.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
495	5.90	5.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
496	5.80	5.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
497	5.70	5.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
498	5.60	5.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
499	5.50	5.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
500	5.40	5.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
501	5.30	5.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
502	5.20	5.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
503	5.10	5.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
504	5.00	4.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
505	4.90	4.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
506	4.80	4.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
507	4.70	4.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
508	4.60	4.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
509	4.50	4.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
510	4.40	4.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
511	4.30	4.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
512	4.20	4.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
513	4.10	4.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
514	4.00	3.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
515	3.90	3.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
516	3.80	3.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
517	3.70	3.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
518	3.60	3.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
519	3.50	3.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
520	3.40	3.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
521	3.30	3.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033

522	3.20	3.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
523	3.10	3.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
524	3.00	2.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
525	2.90	2.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
526	2.80	2.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
527	2.70	2.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
528	2.60	2.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
529	2.50	2.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
530	2.40	2.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
531	2.30	2.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
532	2.20	2.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
533	2.10	2.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
534	2.00	1.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
535	1.90	1.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
536	1.80	1.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
537	1.70	1.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
538	1.60	1.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
539	1.50	1.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
540	1.40	1.30	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
541	1.30	1.20	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
542	1.20	1.10	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
543	1.10	1.00	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
544	1.00	0.90	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
545	0.90	0.80	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
546	0.80	0.70	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
547	0.70	0.60	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
548	0.60	0.50	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
549	0.50	0.40	7.54450	0.2	0.03309	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
550	0.40	0.30	7.56386	0.4	0.03317	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
551	0.30	0.20	7.56386	0.4	0.03317	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
552	0.20	0.10	7.56386	0.4	0.03317	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
553	0.10	0.00	7.56386	0.4	0.03317	0.03	3.00	76.00	22800.00	7600.00	228.00	0.00	0.000	0.000	0.033
TOT					4.69				3055200.00	1018400.00					
AVG					0.0331		3.00	76.00			228.00				
CUM					4.69										

********** 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 1/da	ORGN SETT *	ORGN DECAY **	SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD *	PO4 PROD **	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
420	13.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
421	13.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
422	13.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
423	13.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
424	12.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
425	12.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

426	12.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
427	12.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
428	12.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
429	12.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	12.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
431	12.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
432	12.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
433	12.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
434	11.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
435	11.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
436	11.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
437	11.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
438	11.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
439	11.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
440	11.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
441	11.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
442	11.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
443	11.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	10.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
445	10.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
446	10.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
447	10.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
448	10.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449	10.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450	10.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
451	10.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
452	10.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
453	10.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
454	9.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	9.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
456	9.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
457	9.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
458	9.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
459	9.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	9.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
461	9.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
462	9.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
463	9.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
464	8.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
465	8.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
466	8.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
467	8.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
468	8.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
469	8.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	8.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471	8.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
472	8.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
473	8.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
474	7.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
475	7.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

476	7.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
477	7.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
478	7.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
479	7.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
480	7.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
481	7.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
482	7.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
483	7.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484	6.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	6.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
486	6.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
487	6.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
488	6.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
489	6.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
490	6.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
491	6.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
492	6.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
493	6.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
494	5.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
495	5.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
496	5.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
497	5.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
498	5.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	5.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500	5.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
501	5.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502	5.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
503	5.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
504	4.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
505	4.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
506	4.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
507	4.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
508	4.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
509	4.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510	4.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
511	4.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
512	4.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
513	4.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
514	3.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	3.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
516	3.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
517	3.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
518	3.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
519	3.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	3.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521	3.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
522	3.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
523	3.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
524	2.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
525	2.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

526	2.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527	2.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
528	2.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
529	2.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	2.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
531	2.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532	2.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
533	2.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534	1.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
535	1.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
536	1.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
537	1.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
538	1.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
539	1.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	1.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541	1.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
542	1.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
543	1.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
544	0.900	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.800	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
546	0.700	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
547	0.600	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
548	0.500	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549	0.400	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
550	0.300	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551	0.200	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
552	0.100	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
553	0.000	7.56	0.28	0.21	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.23 0.13 0.00 0.00 0.00 0.00 0.00 0.50 0.02 0.00 0.20 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
420	13.300	30.00	0.00	0.00	0.00	7.38	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
421	13.200	30.00	0.00	0.00	0.00	7.37	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
422	13.100	30.00	0.00	0.00	0.00	7.35	0.55	0.00	0.55	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
423	13.000	30.00	0.00	0.00	0.00	7.34	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
424	12.900	30.00	0.00	0.00	0.00	7.33	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
425	12.800	30.00	0.00	0.00	0.00	7.31	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
426	12.700	30.00	0.00	0.00	0.00	7.30	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
427	12.600	30.00	0.00	0.00	0.00	7.28	0.54	0.00	0.54	0.00	0.28	0.03	1.70	2.01	0.00	0.00	0.00	0.	0.00
428	12.500	30.00	0.00	0.00	0.00	7.27	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.01	0.00	0.00	0.00	0.	0.00
429	12.400	30.00	0.00	0.00	0.00	7.26	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
430	12.300	30.00	0.00	0.00	0.00	7.24	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00

431	12.200	30.00	0.00	0.00	0.00	7.23	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
432	12.100	30.00	0.00	0.00	0.00	7.22	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
433	12.000	30.00	0.00	0.00	0.00	7.20	0.54	0.00	0.54	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
434	11.900	30.00	0.00	0.00	0.00	7.19	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
435	11.800	30.00	0.00	0.00	0.00	7.18	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
436	11.700	30.00	0.00	0.00	0.00	7.16	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
437	11.600	30.00	0.00	0.00	0.00	7.15	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
438	11.500	30.00	0.00	0.00	0.00	7.14	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
439	11.400	30.00	0.00	0.00	0.00	7.13	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
440	11.300	30.00	0.00	0.00	0.00	7.11	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
441	11.200	30.00	0.00	0.00	0.00	7.10	0.53	0.00	0.53	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
442	11.100	30.00	0.00	0.00	0.00	7.09	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
443	11.000	30.00	0.00	0.00	0.00	7.08	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
444	10.900	30.00	0.00	0.00	0.00	7.07	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
445	10.800	30.00	0.00	0.00	0.00	7.06	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
446	10.700	30.00	0.00	0.00	0.00	7.04	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
447	10.600	30.00	0.00	0.00	0.00	7.03	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
448	10.500	30.00	0.00	0.00	0.00	7.02	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
449	10.400	30.00	0.00	0.00	0.00	7.01	0.52	0.00	0.52	0.00	0.28	0.03	1.71	2.02	0.00	0.00	0.00	0.	0.00
450	10.300	30.00	0.00	0.00	0.00	7.00	0.52	0.00	0.52	0.00	0.28	0.02	1.71	2.02	0.00	0.00	0.00	0.	0.00
451	10.200	30.00	0.00	0.00	0.00	6.99	0.51	0.00	0.51	0.00	0.29	0.02	1.71	2.02	0.00	0.00	0.00	0.	0.00
452	10.100	30.00	0.00	0.00	0.00	6.98	0.51	0.00	0.51	0.00	0.29	0.02	1.71	2.02	0.00	0.00	0.00	0.	0.00
453	10.000	30.00	0.00	0.00	0.00	6.97	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
454	9.900	30.00	0.00	0.00	0.00	6.96	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
455	9.800	30.00	0.00	0.00	0.00	6.95	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
456	9.700	30.00	0.00	0.00	0.00	6.94	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
457	9.600	30.00	0.00	0.00	0.00	6.93	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
458	9.500	30.00	0.00	0.00	0.00	6.92	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
459	9.400	30.00	0.00	0.00	0.00	6.91	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
460	9.300	30.00	0.00	0.00	0.00	6.90	0.51	0.00	0.51	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
461	9.200	30.00	0.00	0.00	0.00	6.89	0.50	0.00	0.50	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
462	9.100	30.00	0.00	0.00	0.00	6.88	0.50	0.00	0.50	0.00	0.29	0.02	1.72	2.03	0.00	0.00	0.00	0.	0.00
463	9.000	30.00	0.00	0.00	0.00	6.87	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.00	0.00	0.	0.00
464	8.900	30.00	0.00	0.00	0.00	6.86	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.00	0.00	0.	0.00
465	8.800	30.00	0.00	0.00	0.00	6.85	0.52	0.00	0.52	0.00	0.29	0.03	1.73	2.05	0.00	0.00	0.00	0.	0.00
466	8.700	30.00	0.00	0.00	0.00	6.84	0.51	0.00	0.51	0.00	0.29	0.03	1.73	2.05	0.00	0.00	0.00	0.	0.00
467	8.600	30.00	0.00	0.00	0.00	6.83	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
468	8.500	30.00	0.00	0.00	0.00	6.82	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
469	8.400	30.00	0.00	0.00	0.00	6.81	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
470	8.300	30.00	0.00	0.00	0.00	6.80	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
471	8.200	30.00	0.00	0.00	0.00	6.79	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
472	8.100	30.00	0.00	0.00	0.00	6.78	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
473	8.000	30.00	0.00	0.00	0.00	6.77	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
474	7.900	30.00	0.00	0.00	0.00	6.77	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.05	0.00	0.00	0.00	0.	0.00
475	7.800	30.00	0.00	0.00	0.00	6.76	0.51	0.00	0.51	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
476	7.700	30.00	0.00	0.00	0.00	6.75	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
477	7.600	30.00	0.00	0.00	0.00	6.74	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
478	7.500	30.00	0.00	0.00	0.00	6.73	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
479	7.400	30.00	0.00	0.00	0.00	6.72	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
480	7.300	30.00	0.00	0.00	0.00	6.72	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00

481	7.200	30.00	0.00	0.00	0.00	6.71	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
482	7.100	30.00	0.00	0.00	0.00	6.70	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
483	7.000	30.00	0.00	0.00	0.00	6.69	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
484	6.900	30.00	0.00	0.00	0.00	6.68	0.50	0.00	0.50	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
485	6.800	30.00	0.00	0.00	0.00	6.68	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
486	6.700	30.00	0.00	0.00	0.00	6.67	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
487	6.600	30.00	0.00	0.00	0.00	6.66	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
488	6.500	30.00	0.00	0.00	0.00	6.65	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
489	6.400	30.00	0.00	0.00	0.00	6.65	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
490	6.300	30.00	0.00	0.00	0.00	6.64	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
491	6.200	30.00	0.00	0.00	0.00	6.63	0.49	0.00	0.49	0.00	0.29	0.03	1.74	2.06	0.00	0.00	0.00	0.	0.00
492	6.100	30.00	0.00	0.00	0.00	6.63	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.00	0.00	0.	0.00
493	6.000	30.00	0.00	0.00	0.00	6.62	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.00	0.00	0.	0.00
494	5.900	30.00	0.00	0.00	0.00	6.61	0.49	0.00	0.49	0.00	0.29	0.03	1.75	2.06	0.00	0.00	0.00	0.	0.00
495	5.800	30.00	0.00	0.00	0.00	6.61	0.49	0.00	0.49	0.00	0.29	0.02	1.75	2.06	0.00	0.00	0.00	0.	0.00
496	5.700	30.00	0.00	0.00	0.00	6.60	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.00	0.00	0.	0.00
497	5.600	30.00	0.00	0.00	0.00	6.59	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.00	0.00	0.	0.00
498	5.500	30.00	0.00	0.00	0.00	6.59	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.00	0.00	0.	0.00
499	5.400	30.00	0.00	0.00	0.00	6.58	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.06	0.00	0.00	0.00	0.	0.00
500	5.300	30.00	0.00	0.00	0.00	6.57	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
501	5.200	30.00	0.00	0.00	0.00	6.57	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
502	5.100	30.00	0.00	0.00	0.00	6.56	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
503	5.000	30.00	0.00	0.00	0.00	6.56	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
504	4.900	30.00	0.00	0.00	0.00	6.55	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
505	4.800	30.00	0.00	0.00	0.00	6.54	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
506	4.700	30.00	0.00	0.00	0.00	6.54	0.48	0.00	0.48	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
507	4.600	30.00	0.00	0.00	0.00	6.53	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
508	4.500	30.00	0.00	0.00	0.00	6.53	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
509	4.400	30.00	0.00	0.00	0.00	6.52	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
510	4.300	30.00	0.00	0.00	0.00	6.51	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
511	4.200	30.00	0.00	0.00	0.00	6.51	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
512	4.100	30.00	0.00	0.00	0.00	6.50	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
513	4.000	30.00	0.00	0.00	0.00	6.50	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
514	3.900	30.00	0.00	0.00	0.00	6.49	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
515	3.800	30.00	0.00	0.00	0.00	6.49	0.47	0.00	0.47	0.00	0.29	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
516	3.700	30.00	0.00	0.00	0.00	6.48	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
517	3.600	30.00	0.00	0.00	0.00	6.48	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
518	3.500	30.00	0.00	0.00	0.00	6.47	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
519	3.400	30.00	0.00	0.00	0.00	6.47	0.47	0.00	0.47	0.00	0.30	0.02	1.75	2.07	0.00	0.00	0.00	0.	0.00
520	3.300	30.00	0.00	0.00	0.00	6.46	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.00	0.00	0.	0.00
521	3.200	30.00	0.00	0.00	0.00	6.46	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.00	0.00	0.	0.00
522	3.100	30.00	0.00	0.00	0.00	6.45	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.00	0.00	0.	0.00
523	3.000	30.00	0.00	0.00	0.00	6.45	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.00	0.00	0.	0.00
524	2.900	30.00	0.00	0.00	0.00	6.44	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.07	0.00	0.00	0.00	0.	0.00
525	2.800	30.00	0.00	0.00	0.00	6.44	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
526	2.700	30.00	0.00	0.00	0.00	6.43	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
527	2.600	30.00	0.00	0.00	0.00	6.43	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
528	2.500	30.00	0.00	0.00	0.00	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
529	2.400	30.00	0.00	0.00	0.00	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
530	2.300	30.00	0.00	0.00	0.00	6.42	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00

531	2.200	30.00	0.00	0.00	0.00	6.41	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
532	2.100	30.00	0.00	0.00	0.00	6.41	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
533	2.000	30.00	0.00	0.00	0.00	6.40	0.46	0.00	0.46	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
534	1.900	30.00	0.00	0.00	0.00	6.40	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
535	1.800	30.00	0.00	0.00	0.00	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
536	1.700	30.00	0.00	0.00	0.00	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
537	1.600	30.00	0.00	0.00	0.00	6.39	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
538	1.500	30.00	0.00	0.00	0.00	6.38	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
539	1.400	30.00	0.00	0.00	0.00	6.38	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
540	1.300	30.00	0.00	0.00	0.00	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
541	1.200	30.00	0.00	0.00	0.00	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
542	1.100	30.00	0.00	0.00	0.00	6.37	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
543	1.000	30.00	0.00	0.00	0.00	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
544	0.900	30.00	0.00	0.00	0.00	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
545	0.800	30.00	0.00	0.00	0.00	6.36	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
546	0.700	30.00	0.00	0.00	0.00	6.35	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
547	0.600	30.00	0.00	0.00	0.00	6.35	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
548	0.500	30.00	0.00	0.00	0.00	6.34	0.45	0.00	0.45	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
549	0.400	30.00	0.00	0.00	0.00	6.34	0.44	0.00	0.44	0.00	0.30	0.02	1.76	2.08	0.00	0.00	0.00	0.	0.00
550	0.300	30.00	0.00	0.00	0.00	6.33	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.00	0.00	0.	0.00
551	0.200	30.00	0.00	0.00	0.00	6.33	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.00	0.00	0.	0.00
552	0.100	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.00	0.00	0.	0.00
553	0.000	30.00	0.00	0.00	0.00	6.32	0.48	0.00	0.48	0.00	0.30	0.03	1.79	2.12	0.00	0.00	0.00	0.	0.00

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

TRAVEL TIME = 4.69 DAYS

MAXIMUM EFFLUENT = 0.45 PERCENT

FLOW = 7.53000 TO 7.56386 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.03303 TO 0.03317 m/s
DEPTH = 3.00 TO 3.00 m
WIDTH = 76.00 TO 76.00 m

BOD DECAY = 0.21 TO 0.21 per day
NH3 DECAY = 0.43 TO 0.44 per day
SOD = 0.94 TO 0.94 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.28 TO 0.28 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 6.32 TO 7.38 mg/L

FINAL REPORT Bayou Plaquemine LA-QUAL Model for Upper Terrebonne
REACH NO. 11 Bayou Plaquemine Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN µg/L	NH3 #/100mL	NO3+2	PHOS	CHL A	COLI	NCM
710	HDWTR	0.77000	30.00	0.00	0.00	0.00	5.00	0.74	0.00	0.74	0.00	0.24	0.00	1.60	0.00	58.00	0.00	0.00
739	WSTLD	0.06572	30.00	0.00	0.00	0.00	5.00	10.00	0.00	10.00	0.00	0.20	2.00	1.60	0.00	0.00	0.00	0.00
779	WSTLD	0.00285	30.00	0.00	0.00	0.00	5.00	10.00	0.00	10.00	0.00	0.20	1.50	1.60	0.00	0.00	0.00	0.00
782	WSTLD	0.00105	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	0.20	1.50	1.60	0.00	0.00	0.00	0.00
785	WSTLD	0.00022	30.00	0.00	0.00	0.00	5.00	45.00	0.00	45.00	0.00	0.20	1.50	1.60	0.00	0.00	0.00	0.00
796	WSTLD	0.00011	30.00	0.00	0.00	0.00	5.00	30.00	0.00	30.00	0.00	0.20	1.50	1.60	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
710	11.90	11.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
711	11.80	11.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
712	11.70	11.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
713	11.60	11.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
714	11.50	11.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
715	11.40	11.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
716	11.30	11.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
717	11.20	11.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
718	11.10	11.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
719	11.00	10.90	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
720	10.90	10.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
721	10.80	10.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
722	10.70	10.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
723	10.60	10.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
724	10.50	10.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
725	10.40	10.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
726	10.30	10.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
727	10.20	10.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
728	10.10	10.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
729	10.00	9.90	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
730	9.90	9.80	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
731	9.80	9.70	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
732	9.70	9.60	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
733	9.60	9.50	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
734	9.50	9.40	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
735	9.40	9.30	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023

736	9.30	9.20	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
737	9.20	9.10	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
738	9.10	9.00	0.77000	0.0	0.02333	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.023
739	9.00	8.90	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
740	8.90	8.80	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
741	8.80	8.70	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
742	8.70	8.60	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
743	8.60	8.50	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
744	8.50	8.40	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
745	8.40	8.30	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
746	8.30	8.20	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
747	8.20	8.10	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
748	8.10	8.00	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
749	8.00	7.90	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
750	7.90	7.80	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
751	7.80	7.70	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
752	7.70	7.60	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
753	7.60	7.50	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
754	7.50	7.40	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
755	7.40	7.30	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
756	7.30	7.20	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
757	7.20	7.10	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
758	7.10	7.00	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
759	7.00	6.90	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
760	6.90	6.80	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
761	6.80	6.70	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
762	6.70	6.60	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
763	6.60	6.50	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
764	6.50	6.40	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
765	6.40	6.30	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
766	6.30	6.20	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
767	6.20	6.10	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
768	6.10	6.00	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
769	6.00	5.90	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
770	5.90	5.80	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
771	5.80	5.70	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
772	5.70	5.60	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
773	5.60	5.50	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
774	5.50	5.40	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
775	5.40	5.30	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
776	5.30	5.20	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
777	5.20	5.10	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
778	5.10	5.00	0.83572	7.9	0.02532	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
779	5.00	4.90	0.83857	8.2	0.02541	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
780	4.90	4.80	0.83857	8.2	0.02541	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
781	4.80	4.70	0.83857	8.2	0.02541	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
782	4.70	4.60	0.83962	8.3	0.02544	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
783	4.60	4.50	0.83962	8.3	0.02544	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
784	4.50	4.40	0.83962	8.3	0.02544	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
785	4.40	4.30	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025

786	4.30	4.20	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
787	4.20	4.10	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
788	4.10	4.00	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
789	4.00	3.90	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
790	3.90	3.80	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
791	3.80	3.70	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
792	3.70	3.60	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
793	3.60	3.50	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
794	3.50	3.40	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
795	3.40	3.30	0.83984	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
796	3.30	3.20	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
797	3.20	3.10	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
798	3.10	3.00	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
799	3.00	2.90	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
800	2.90	2.80	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
801	2.80	2.70	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
802	2.70	2.60	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
803	2.60	2.50	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
804	2.50	2.40	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
805	2.40	2.30	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
806	2.30	2.20	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
807	2.20	2.10	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
808	2.10	2.00	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
809	2.00	1.90	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
810	1.90	1.80	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
811	1.80	1.70	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
812	1.70	1.60	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
813	1.60	1.50	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
814	1.50	1.40	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
815	1.40	1.30	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
816	1.30	1.20	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
817	1.20	1.10	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
818	1.10	1.00	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
819	1.00	0.90	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
820	0.90	0.80	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
821	0.80	0.70	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
822	0.70	0.60	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
823	0.60	0.50	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
824	0.50	0.40	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
825	0.40	0.30	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
826	0.30	0.20	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
827	0.20	0.10	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
828	0.10	0.00	0.83995	8.3	0.02545	0.05	1.10	30.00	3300.00	3000.00	33.00	0.00	0.000	0.000	0.025
TOT					5.54			392700.00	357000.00						
AVG				0.0249			1.10	30.00			33.00				
CUM					5.54										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O.	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 DECAY 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	DENIT SRCE	PO4 PROD	ALG PROD	MAC DECAY	COLI DECAY	NCM	NCM SETT
710	11.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.55	0.00	0.00	0.00	0.00				
711	11.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.41	0.00	0.00	0.00	4.51	0.00	0.00	0.00	0.00				
712	11.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.47	0.00	0.00	0.00	0.00				
713	11.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.44	0.00	0.00	0.00	0.00				
714	11.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.42	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00				
715	11.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00				
716	11.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.32	0.00	0.00	0.00	0.00				
717	11.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.28	0.00	0.00	0.00	0.00				
718	11.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.24	0.00	0.00	0.00	0.00				
719	10.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00				
720	10.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00				
721	10.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.13	0.00	0.00	0.00	0.00				
722	10.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00				
723	10.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.05	0.00	0.00	0.00	0.00				
724	10.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	4.01	0.00	0.00	0.00	0.00				
725	10.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00				
726	10.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00				
727	10.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.90	0.00	0.00	0.00	0.00				
728	10.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.86	0.00	0.00	0.00	0.00				
729	9.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00				
730	9.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.78	0.00	0.00	0.00	0.00				
731	9.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.00				
732	9.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00				
733	9.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.66	0.00	0.00	0.00	0.00				
734	9.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.63	0.00	0.00	0.00	0.00				
735	9.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.59	0.00	0.00	0.00	0.00				
736	9.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.55	0.00	0.00	0.00	0.00				
737	9.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.51	0.00	0.00	0.00	0.00				
738	9.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.47	0.00	0.00	0.00	0.00				
739	8.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.43	0.00	0.00	0.00	0.00				
740	8.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.39	0.00	0.00	0.00	0.00				
741	8.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.36	0.00	0.00	0.00	0.00				
742	8.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.32	0.00	0.00	0.00	0.00				
743	8.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00				
744	8.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00				
745	8.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00				
746	8.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.16	0.00	0.00	0.00	0.00				
747	8.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00				
748	8.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00				
749	7.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00				
750	7.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00				
751	7.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00				
752	7.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00				
753	7.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00				
754	7.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00				

755	7.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
756	7.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
757	7.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
758	7.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
759	6.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
760	6.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
761	6.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
762	6.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
763	6.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00
764	6.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.47	0.00	0.00	0.00	0.00
765	6.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00
766	6.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
767	6.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00
768	6.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.31	0.00	0.00	0.00	0.00
769	5.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.28	0.00	0.00	0.00	0.00
770	5.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.24	0.00	0.00	0.00	0.00
771	5.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
772	5.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00
773	5.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
774	5.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00
775	5.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00
776	5.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00
777	5.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00
778	5.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00
779	4.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00
780	4.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
781	4.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00
782	4.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00
783	4.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00
784	4.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00
785	4.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00
786	4.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00
787	4.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
788	4.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00
789	3.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
790	3.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
791	3.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
792	3.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
793	3.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
794	3.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
795	3.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
796	3.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
797	3.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
798	3.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
799	2.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
800	2.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00
801	2.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
802	2.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
803	2.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
804	2.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00

805	2.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
806	2.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00
807	2.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00
808	2.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00
809	1.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00
810	1.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00
811	1.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00
812	1.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
813	1.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
814	1.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00
815	1.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00
816	1.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00
817	1.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00
818	1.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.44	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00
819	0.900	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
820	0.800	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
821	0.700	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
822	0.600	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
823	0.500	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00
824	0.400	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
825	0.300	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
826	0.200	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
827	0.100	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
828	0.000	7.56	0.77	0.17	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.94	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.64	0.11	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A #/100mL	MACRO	COLI	NCM
710	11.800	30.00	0.00	0.00	0.00	5.26	0.78	0.00	0.78	0.00	0.24	0.00	1.59	1.83	0.00	57.51	0.00	0.	0.00
711	11.700	30.00	0.00	0.00	0.00	5.52	0.82	0.00	0.82	0.00	0.24	0.00	1.58	1.82	0.00	57.03	0.00	0.	0.00
712	11.600	30.00	0.00	0.00	0.00	5.76	0.86	0.00	0.86	0.00	0.24	0.00	1.57	1.81	0.00	56.54	0.00	0.	0.00
713	11.500	30.00	0.00	0.00	0.00	5.99	0.90	0.00	0.90	0.00	0.24	0.00	1.56	1.80	0.00	56.05	0.00	0.	0.00
714	11.400	30.00	0.00	0.00	0.00	6.20	0.94	0.00	0.94	0.00	0.24	0.00	1.54	1.78	0.00	55.56	0.00	0.	0.00
715	11.300	30.00	0.00	0.00	0.00	6.41	0.98	0.00	0.98	0.00	0.24	0.00	1.53	1.77	0.00	55.08	0.00	0.	0.00
716	11.200	30.00	0.00	0.00	0.00	6.61	1.02	0.00	1.02	0.00	0.24	0.00	1.52	1.76	0.00	54.59	0.00	0.	0.00
717	11.100	30.00	0.00	0.00	0.00	6.80	1.06	0.00	1.06	0.00	0.24	0.00	1.51	1.75	0.00	54.10	0.00	0.	0.00
718	11.000	30.00	0.00	0.00	0.00	6.98	1.09	0.00	1.09	0.00	0.24	0.00	1.50	1.74	0.00	53.61	0.00	0.	0.00
719	10.900	30.00	0.00	0.00	0.00	7.15	1.13	0.00	1.13	0.00	0.24	0.00	1.49	1.73	0.00	53.13	0.00	0.	0.00
720	10.800	30.00	0.00	0.00	0.00	7.32	1.17	0.00	1.17	0.00	0.24	0.00	1.48	1.72	0.00	52.64	0.00	0.	0.00
721	10.700	30.00	0.00	0.00	0.00	7.47	1.21	0.00	1.21	0.00	0.24	0.00	1.47	1.71	0.00	52.15	0.00	0.	0.00
722	10.600	30.00	0.00	0.00	0.00	7.62	1.24	0.00	1.24	0.00	0.24	0.00	1.46	1.70	0.00	51.66	0.00	0.	0.00
723	10.500	30.00	0.00	0.00	0.00	7.76	1.28	0.00	1.28	0.00	0.24	0.00	1.45	1.69	0.00	51.18	0.00	0.	0.00
724	10.400	30.00	0.00	0.00	0.00	7.89	1.31	0.00	1.31	0.00	0.24	0.00	1.44	1.68	0.00	50.69	0.00	0.	0.00

725	10.300	30.00	0.00	0.00	0.00	8.02	1.35	0.00	1.35	0.00	0.24	0.00	1.43	1.67	0.00	50.20	0.00	0.	0.00
726	10.200	30.00	0.00	0.00	0.00	8.14	1.39	0.00	1.39	0.00	0.24	0.00	1.42	1.66	0.00	49.71	0.00	0.	0.00
727	10.100	30.00	0.00	0.00	0.00	8.25	1.42	0.00	1.42	0.00	0.23	0.00	1.41	1.65	0.00	49.23	0.00	0.	0.00
728	10.000	30.00	0.00	0.00	0.00	8.35	1.46	0.00	1.46	0.00	0.23	0.00	1.40	1.64	0.00	48.74	0.00	0.	0.00
729	9.900	30.00	0.00	0.00	0.00	8.45	1.49	0.00	1.49	0.00	0.23	0.00	1.39	1.63	0.00	48.25	0.00	0.	0.00
730	9.800	30.00	0.00	0.00	0.00	8.55	1.52	0.00	1.52	0.00	0.23	0.00	1.38	1.62	0.00	47.76	0.00	0.	0.00
731	9.700	30.00	0.00	0.00	0.00	8.64	1.56	0.00	1.56	0.00	0.23	0.00	1.38	1.61	0.00	47.28	0.00	0.	0.00
732	9.600	30.00	0.00	0.00	0.00	8.72	1.59	0.00	1.59	0.00	0.23	0.01	1.37	1.60	0.00	46.79	0.00	0.	0.00
733	9.500	30.00	0.00	0.00	0.00	8.80	1.62	0.00	1.62	0.00	0.23	0.01	1.36	1.60	0.00	46.30	0.00	0.	0.00
734	9.400	30.00	0.00	0.00	0.00	8.87	1.66	0.00	1.66	0.00	0.23	0.01	1.35	1.59	0.00	45.82	0.00	0.	0.00
735	9.300	30.00	0.00	0.00	0.00	8.94	1.69	0.00	1.69	0.00	0.23	0.01	1.34	1.58	0.00	45.33	0.00	0.	0.00
736	9.200	30.00	0.00	0.00	0.00	9.00	1.72	0.00	1.72	0.00	0.23	0.01	1.33	1.57	0.00	44.84	0.00	0.	0.00
737	9.100	30.00	0.00	0.00	0.00	9.06	1.76	0.00	1.76	0.00	0.23	0.01	1.32	1.56	0.00	44.35	0.00	0.	0.00
738	9.000	30.00	0.00	0.00	0.00	9.12	1.79	0.00	1.79	0.00	0.23	0.01	1.31	1.55	0.00	43.87	0.00	0.	0.00
739	8.900	30.00	0.00	0.00	0.00	8.83	2.46	0.00	2.46	0.00	0.23	0.16	1.33	1.72	0.00	43.38	0.00	0.	0.00
740	8.800	30.00	0.00	0.00	0.00	8.87	2.48	0.00	2.48	0.00	0.23	0.16	1.33	1.71	0.00	42.89	0.00	0.	0.00
741	8.700	30.00	0.00	0.00	0.00	8.90	2.50	0.00	2.50	0.00	0.23	0.15	1.32	1.70	0.00	42.40	0.00	0.	0.00
742	8.600	30.00	0.00	0.00	0.00	8.93	2.53	0.00	2.53	0.00	0.23	0.15	1.32	1.70	0.00	41.92	0.00	0.	0.00
743	8.500	30.00	0.00	0.00	0.00	8.96	2.55	0.00	2.55	0.00	0.23	0.15	1.31	1.69	0.00	41.43	0.00	0.	0.00
744	8.400	30.00	0.00	0.00	0.00	8.99	2.57	0.00	2.57	0.00	0.23	0.15	1.31	1.68	0.00	40.94	0.00	0.	0.00
745	8.300	30.00	0.00	0.00	0.00	9.01	2.60	0.00	2.60	0.00	0.23	0.14	1.30	1.68	0.00	40.45	0.00	0.	0.00
746	8.200	30.00	0.00	0.00	0.00	9.03	2.62	0.00	2.62	0.00	0.23	0.14	1.30	1.67	0.00	39.97	0.00	0.	0.00
747	8.100	30.00	0.00	0.00	0.00	9.05	2.64	0.00	2.64	0.00	0.23	0.14	1.30	1.66	0.00	39.48	0.00	0.	0.00
748	8.000	30.00	0.00	0.00	0.00	9.07	2.67	0.00	2.67	0.00	0.23	0.14	1.29	1.65	0.00	38.99	0.00	0.	0.00
749	7.900	30.00	0.00	0.00	0.00	9.08	2.69	0.00	2.69	0.00	0.23	0.13	1.29	1.65	0.00	38.50	0.00	0.	0.00
750	7.800	30.00	0.00	0.00	0.00	9.09	2.71	0.00	2.71	0.00	0.23	0.13	1.28	1.64	0.00	38.02	0.00	0.	0.00
751	7.700	30.00	0.00	0.00	0.00	9.10	2.73	0.00	2.73	0.00	0.23	0.13	1.28	1.63	0.00	37.53	0.00	0.	0.00
752	7.600	30.00	0.00	0.00	0.00	9.11	2.75	0.00	2.75	0.00	0.23	0.13	1.27	1.63	0.00	37.04	0.00	0.	0.00
753	7.500	30.00	0.00	0.00	0.00	9.12	2.78	0.00	2.78	0.00	0.23	0.12	1.27	1.62	0.00	36.55	0.00	0.	0.00
754	7.400	30.00	0.00	0.00	0.00	9.12	2.80	0.00	2.80	0.00	0.23	0.12	1.27	1.61	0.00	36.07	0.00	0.	0.00
755	7.300	30.00	0.00	0.00	0.00	9.12	2.82	0.00	2.82	0.00	0.22	0.12	1.26	1.61	0.00	35.58	0.00	0.	0.00
756	7.200	30.00	0.00	0.00	0.00	9.12	2.84	0.00	2.84	0.00	0.22	0.12	1.26	1.60	0.00	35.09	0.00	0.	0.00
757	7.100	30.00	0.00	0.00	0.00	9.12	2.86	0.00	2.86	0.00	0.22	0.12	1.25	1.59	0.00	34.61	0.00	0.	0.00
758	7.000	30.00	0.00	0.00	0.00	9.12	2.88	0.00	2.88	0.00	0.22	0.11	1.25	1.59	0.00	34.12	0.00	0.	0.00
759	6.900	30.00	0.00	0.00	0.00	9.11	2.90	0.00	2.90	0.00	0.22	0.11	1.25	1.58	0.00	33.63	0.00	0.	0.00
760	6.800	30.00	0.00	0.00	0.00	9.11	2.92	0.00	2.92	0.00	0.22	0.11	1.24	1.58	0.00	33.14	0.00	0.	0.00
761	6.700	30.00	0.00	0.00	0.00	9.10	2.94	0.00	2.94	0.00	0.22	0.11	1.24	1.57	0.00	32.66	0.00	0.	0.00
762	6.600	30.00	0.00	0.00	0.00	9.09	2.96	0.00	2.96	0.00	0.22	0.11	1.24	1.56	0.00	32.17	0.00	0.	0.00
763	6.500	30.00	0.00	0.00	0.00	9.08	2.98	0.00	2.98	0.00	0.22	0.10	1.23	1.56	0.00	31.68	0.00	0.	0.00
764	6.400	30.00	0.00	0.00	0.00	9.07	3.00	0.00	3.00	0.00	0.22	0.10	1.23	1.55	0.00	31.19	0.00	0.	0.00
765	6.300	30.00	0.00	0.00	0.00	9.06	3.02	0.00	3.02	0.00	0.22	0.10	1.22	1.55	0.00	30.71	0.00	0.	0.00
766	6.200	30.00	0.00	0.00	0.00	9.04	3.04	0.00	3.04	0.00	0.22	0.10	1.22	1.54	0.00	30.22	0.00	0.	0.00
767	6.100	30.00	0.00	0.00	0.00	9.03	3.06	0.00	3.06	0.00	0.22	0.10	1.22	1.54	0.00	29.73	0.00	0.	0.00
768	6.000	30.00	0.00	0.00	0.00	9.01	3.08	0.00	3.08	0.00	0.22	0.10	1.21	1.53	0.00	29.24	0.00	0.	0.00
769	5.900	30.00	0.00	0.00	0.00	8.99	3.10	0.00	3.10	0.00	0.22	0.09	1.21	1.53	0.00	28.76	0.00	0.	0.00
770	5.800	30.00	0.00	0.00	0.00	8.97	3.12	0.00	3.12	0.00	0.22	0.09	1.21	1.52	0.00	28.27	0.00	0.	0.00
771	5.700	30.00	0.00	0.00	0.00	8.95	3.14	0.00	3.14	0.00	0.22	0.09	1.20	1.52	0.00	27.78	0.00	0.	0.00
772	5.600	30.00	0.00	0.00	0.00	8.93	3.15	0.00	3.15	0.00	0.22	0.09	1.20	1.51	0.00	27.29	0.00	0.	0.00
773	5.500	30.00	0.00	0.00	0.00	8.91	3.17	0.00	3.17	0.00	0.22	0.09	1.20	1.51	0.00	26.81	0.00	0.	0.00
774	5.400	30.00	0.00	0.00	0.00	8.89	3.19	0.00	3.19	0.00	0.22	0.09	1.20	1.50	0.00	26.32	0.00	0.	0.00

775	5.300	30.00	0.00	0.00	0.00	8.86	3.21	0.00	3.21	0.00	0.22	0.08	1.19	1.50	0.00	25.83	0.00	0.	0.00
776	5.200	30.00	0.00	0.00	0.00	8.84	3.23	0.00	3.23	0.00	0.22	0.08	1.19	1.49	0.00	25.34	0.00	0.	0.00
777	5.100	30.00	0.00	0.00	0.00	8.81	3.24	0.00	3.24	0.00	0.22	0.08	1.19	1.49	0.00	24.86	0.00	0.	0.00
778	5.000	30.00	0.00	0.00	0.00	8.78	3.26	0.00	3.26	0.00	0.22	0.08	1.18	1.48	0.00	24.37	0.00	0.	0.00
779	4.900	30.00	0.00	0.00	0.00	8.74	3.30	0.00	3.30	0.00	0.22	0.08	1.18	1.49	0.00	23.88	0.00	0.	0.00
780	4.800	30.00	0.00	0.00	0.00	8.72	3.32	0.00	3.32	0.00	0.22	0.08	1.18	1.48	0.00	23.39	0.00	0.	0.00
781	4.700	30.00	0.00	0.00	0.00	8.69	3.34	0.00	3.34	0.00	0.22	0.08	1.18	1.48	0.00	22.91	0.00	0.	0.00
782	4.600	30.00	0.00	0.00	0.00	8.65	3.39	0.00	3.39	0.00	0.22	0.08	1.18	1.47	0.00	22.42	0.00	0.	0.00
783	4.500	30.00	0.00	0.00	0.00	8.62	3.40	0.00	3.40	0.00	0.22	0.08	1.17	1.47	0.00	21.93	0.00	0.	0.00
784	4.400	30.00	0.00	0.00	0.00	8.59	3.42	0.00	3.42	0.00	0.22	0.08	1.17	1.47	0.00	21.45	0.00	0.	0.00
785	4.300	30.00	0.00	0.00	0.00	8.56	3.45	0.00	3.45	0.00	0.22	0.08	1.17	1.46	0.00	20.96	0.00	0.	0.00
786	4.200	30.00	0.00	0.00	0.00	8.52	3.46	0.00	3.46	0.00	0.22	0.08	1.17	1.46	0.00	20.47	0.00	0.	0.00
787	4.100	30.00	0.00	0.00	0.00	8.49	3.48	0.00	3.48	0.00	0.22	0.08	1.16	1.46	0.00	19.98	0.00	0.	0.00
788	4.000	30.00	0.00	0.00	0.00	8.46	3.49	0.00	3.49	0.00	0.22	0.07	1.16	1.45	0.00	19.50	0.00	0.	0.00
789	3.900	30.00	0.00	0.00	0.00	8.42	3.51	0.00	3.51	0.00	0.22	0.07	1.16	1.45	0.00	19.01	0.00	0.	0.00
790	3.800	30.00	0.00	0.00	0.00	8.39	3.53	0.00	3.53	0.00	0.22	0.07	1.16	1.45	0.00	18.52	0.00	0.	0.00
791	3.700	30.00	0.00	0.00	0.00	8.35	3.54	0.00	3.54	0.00	0.22	0.07	1.16	1.44	0.00	18.03	0.00	0.	0.00
792	3.600	30.00	0.00	0.00	0.00	8.32	3.56	0.00	3.56	0.00	0.22	0.07	1.15	1.44	0.00	17.55	0.00	0.	0.00
793	3.500	30.00	0.00	0.00	0.00	8.28	3.57	0.00	3.57	0.00	0.22	0.07	1.15	1.44	0.00	17.06	0.00	0.	0.00
794	3.400	30.00	0.00	0.00	0.00	8.24	3.59	0.00	3.59	0.00	0.22	0.07	1.15	1.43	0.00	16.57	0.00	0.	0.00
795	3.300	30.00	0.00	0.00	0.00	8.20	3.60	0.00	3.60	0.00	0.22	0.07	1.15	1.43	0.00	16.08	0.00	0.	0.00
796	3.200	30.00	0.00	0.00	0.00	8.17	3.62	0.00	3.62	0.00	0.21	0.07	1.15	1.43	0.00	15.60	0.00	0.	0.00
797	3.100	30.00	0.00	0.00	0.00	8.13	3.63	0.00	3.63	0.00	0.21	0.06	1.15	1.43	0.00	15.11	0.00	0.	0.00
798	3.000	30.00	0.00	0.00	0.00	8.09	3.65	0.00	3.65	0.00	0.21	0.06	1.15	1.42	0.00	14.62	0.00	0.	0.00
799	2.900	30.00	0.00	0.00	0.00	8.05	3.66	0.00	3.66	0.00	0.21	0.06	1.14	1.42	0.00	14.13	0.00	0.	0.00
800	2.800	30.00	0.00	0.00	0.00	8.01	3.68	0.00	3.68	0.00	0.21	0.06	1.14	1.42	0.00	13.65	0.00	0.	0.00
801	2.700	30.00	0.00	0.00	0.00	7.97	3.69	0.00	3.69	0.00	0.21	0.06	1.14	1.42	0.00	13.16	0.00	0.	0.00
802	2.600	30.00	0.00	0.00	0.00	7.93	3.71	0.00	3.71	0.00	0.21	0.06	1.14	1.41	0.00	12.67	0.00	0.	0.00
803	2.500	30.00	0.00	0.00	0.00	7.89	3.72	0.00	3.72	0.00	0.21	0.06	1.14	1.41	0.00	12.18	0.00	0.	0.00
804	2.400	30.00	0.00	0.00	0.00	7.85	3.73	0.00	3.73	0.00	0.21	0.06	1.14	1.41	0.00	11.70	0.00	0.	0.00
805	2.300	30.00	0.00	0.00	0.00	7.80	3.75	0.00	3.75	0.00	0.21	0.06	1.14	1.41	0.00	11.21	0.00	0.	0.00
806	2.200	30.00	0.00	0.00	0.00	7.76	3.76	0.00	3.76	0.00	0.21	0.06	1.14	1.41	0.00	10.72	0.00	0.	0.00
807	2.100	30.00	0.00	0.00	0.00	7.72	3.77	0.00	3.77	0.00	0.21	0.05	1.14	1.40	0.00	10.24	0.00	0.	0.00
808	2.000	30.00	0.00	0.00	0.00	7.68	3.79	0.00	3.79	0.00	0.21	0.05	1.14	1.40	0.00	9.75	0.00	0.	0.00
809	1.900	30.00	0.00	0.00	0.00	7.64	3.80	0.00	3.80	0.00	0.21	0.05	1.14	1.40	0.00	9.26	0.00	0.	0.00
810	1.800	30.00	0.00	0.00	0.00	7.59	3.81	0.00	3.81	0.00	0.21	0.05	1.13	1.40	0.00	8.77	0.00	0.	0.00
811	1.700	30.00	0.00	0.00	0.00	7.55	3.83	0.00	3.83	0.00	0.21	0.05	1.13	1.40	0.00	8.29	0.00	0.	0.00
812	1.600	30.00	0.00	0.00	0.00	7.51	3.84	0.00	3.84	0.00	0.21	0.05	1.13	1.40	0.00	7.80	0.00	0.	0.00
813	1.500	30.00	0.00	0.00	0.00	7.46	3.85	0.00	3.85	0.00	0.21	0.05	1.13	1.39	0.00	7.31	0.00	0.	0.00
814	1.400	30.00	0.00	0.00	0.00	7.42	3.87	0.00	3.87	0.00	0.21	0.05	1.13	1.39	0.00	6.82	0.00	0.	0.00
815	1.300	30.00	0.00	0.00	0.00	7.37	3.88	0.00	3.88	0.00	0.21	0.05	1.13	1.39	0.00	6.34	0.00	0.	0.00
816	1.200	30.00	0.00	0.00	0.00	7.33	3.89	0.00	3.89	0.00	0.21	0.05	1.13	1.39	0.00	5.85	0.00	0.	0.00
817	1.100	30.00	0.00	0.00	0.00	7.28	3.90	0.00	3.90	0.00	0.21	0.05	1.13	1.39	0.00	5.36	0.00	0.	0.00
818	1.000	30.00	0.00	0.00	0.00	7.24	3.92	0.00	3.92	0.00	0.21	0.05	1.13	1.39	0.00	4.87	0.00	0.	0.00
819	0.900	30.00	0.00	0.00	0.00	7.19	3.93	0.00	3.93	0.00	0.21	0.05	1.13	1.39	0.00	4.39	0.00	0.	0.00
820	0.800	30.00	0.00	0.00	0.00	7.15	3.94	0.00	3.94	0.00	0.21	0.04	1.13	1.39	0.00	3.90	0.00	0.	0.00
821	0.700	30.00	0.00	0.00	0.00	7.10	3.95	0.00	3.95	0.00	0.21	0.04	1.13	1.39	0.00	3.41	0.00	0.	0.00
822	0.600	30.00	0.00	0.00	0.00	7.06	3.96	0.00	3.96	0.00	0.21	0.04	1.13	1.39	0.00	2.92	0.00	0.	0.00
823	0.500	30.00	0.00	0.00	0.00	7.01	3.98	0.00	3.98	0.00	0.21	0.04	1.13	1.39	0.00	2.44	0.00	0.	0.00
824	0.400	30.00	0.00	0.00	0.00	6.96	3.99	0.00	3.99	0.00	0.21	0.04	1.13	1.39	0.00	1.95	0.00	0.	0.00

825	0.300	30.00	0.00	0.00	0.00	6.92	4.00	0.00	4.00	0.00	0.21	0.04	1.14	1.39	0.00	1.46	0.00	0.	0.00
826	0.200	30.00	0.00	0.00	0.00	6.87	4.01	0.00	4.01	0.00	0.21	0.04	1.14	1.39	0.00	0.97	0.00	0.	0.00
827	0.100	30.00	0.00	0.00	0.00	6.82	4.02	0.00	4.02	0.00	0.21	0.04	1.14	1.38	0.00	0.49	0.00	0.	0.00
828	0.000	30.00	0.00	0.00	0.00	6.78	4.04	0.00	4.04	0.00	0.21	0.04	1.14	1.38	0.00	0.00	0.00	0.	0.00

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

TRAVEL TIME = 5.54 DAYS

MAXIMUM EFFLUENT = 8.33 PERCENT

FLOW = 0.77000 TO 0.83995 m^3/s
DISPERSION = 0.0000 TO 0.0000 m^2/s
VELOCITY = 0.02333 TO 0.02545 m/s
DEPTH = 1.10 TO 1.10 m
WIDTH = 30.00 TO 30.00 m

BOD DECAY = 0.17 TO 0.17 per day
NH3 DECAY = 0.41 TO 0.44 per day
SOD = 0.94 TO 0.94 $g/m^2/d$
NH3 SOURCE = 0.00 TO 0.00 $g/m^2/d$
REAERATION = 0.77 TO 0.77 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.26 TO 9.12 mg/L

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

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A	COLI #/100mL	NCM
879	HDWTR	3.94000	30.00	0.00	0.00	0.00	5.00	6.40	0.00	6.40	0.00	0.56	0.03	1.60	0.00	32.00	0.00	0.00
907	WSTLD	0.96829	30.00	0.00	0.00	0.00	5.50	4.00	0.00	4.00	0.00	0.60	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 m^3/s	PCT VELO m/s	ADVCTV TIME days	TRAVEL m	DEPTH m	WIDTH m^3	VOLUME m^2	SURFACE AREA m^2	X-SECT AREA m^3	PRISM m/s	TIDAL VELO m^2/s	TIDAL VELO m/s	DISPRSN	MEAN

879	12.40	12.30	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
880	12.30	12.20	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
881	12.20	12.10	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
882	12.10	12.00	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
883	12.00	11.90	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
884	11.90	11.80	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
885	11.80	11.70	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
886	11.70	11.60	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
887	11.60	11.50	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
888	11.50	11.40	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
889	11.40	11.30	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
890	11.30	11.20	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
891	11.20	11.10	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
892	11.10	11.00	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
893	11.00	10.90	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
894	10.90	10.80	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
895	10.80	10.70	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
896	10.70	10.60	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
897	10.60	10.50	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
898	10.50	10.40	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
899	10.40	10.30	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
900	10.30	10.20	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
901	10.20	10.10	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
902	10.10	10.00	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
903	10.00	9.90	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
904	9.90	9.80	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
905	9.80	9.70	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
906	9.70	9.60	3.94000	0.0	0.04070	0.03	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.041
907	9.60	9.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
908	9.50	9.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
909	9.40	9.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
910	9.30	9.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
911	9.20	9.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
912	9.10	9.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
913	9.00	8.90	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
914	8.90	8.80	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
915	8.80	8.70	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
916	8.70	8.60	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
917	8.60	8.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
918	8.50	8.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
919	8.40	8.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
920	8.30	8.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
921	8.20	8.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
922	8.10	8.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
923	8.00	7.90	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
924	7.90	7.80	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
925	7.80	7.70	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
926	7.70	7.60	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
927	7.60	7.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051

928	7.50	7.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
929	7.40	7.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
930	7.30	7.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
931	7.20	7.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
932	7.10	7.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
933	7.00	6.90	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
934	6.90	6.80	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
935	6.80	6.70	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
936	6.70	6.60	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
937	6.60	6.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
938	6.50	6.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
939	6.40	6.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
940	6.30	6.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
941	6.20	6.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
942	6.10	6.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
943	6.00	5.90	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
944	5.90	5.80	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
945	5.80	5.70	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
946	5.70	5.60	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
947	5.60	5.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
948	5.50	5.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
949	5.40	5.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
950	5.30	5.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
951	5.20	5.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
952	5.10	5.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
953	5.00	4.90	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
954	4.90	4.80	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
955	4.80	4.70	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
956	4.70	4.60	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
957	4.60	4.50	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
958	4.50	4.40	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
959	4.40	4.30	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
960	4.30	4.20	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
961	4.20	4.10	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051
962	4.10	4.00	4.90829	19.7	0.05071	0.02	1.10	88.00	9680.00	8800.00	96.80	0.00	0.000	0.000	0.051

TOT					2.07		813120.00	739200.00	
AVG				0.0469		1.10	88.00		96.80
CUM					2.07				

********** 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
879	12.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00	
880	12.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.54	0.00	0.00	0.00	0.00	
881	12.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00	

882	12.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
883	11.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
884	11.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
885	11.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.57	0.00	0.00	0.00	0.00
886	11.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
887	11.500	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00
888	11.400	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
889	11.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.59	0.00	0.00	0.00	0.00
890	11.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
891	11.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
892	11.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.00
893	10.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
894	10.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
895	10.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
896	10.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
897	10.500	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.64	0.00	0.00	0.00	0.00
898	10.400	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
899	10.300	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00
900	10.200	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
901	10.100	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.66	0.00	0.00	0.00	0.00
902	10.000	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
903	9.900	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
904	9.800	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.68	0.00	0.00	0.00	0.00
905	9.700	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
906	9.600	7.56	0.83	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00
907	9.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
908	9.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00
909	9.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
910	9.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
911	9.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
912	9.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.72	0.00	0.00	0.00	0.00
913	8.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
914	8.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
915	8.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.74	0.00	0.00	0.00	0.00
916	8.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
917	8.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.75	0.00	0.00	0.00	0.00
918	8.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
919	8.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00
920	8.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.77	0.00	0.00	0.00	0.00
921	8.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
922	8.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
923	7.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
924	7.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.79	0.00	0.00	0.00	0.00
925	7.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
926	7.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
927	7.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.81	0.00	0.00	0.00	0.00
928	7.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
929	7.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00
930	7.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00
931	7.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.83	0.00	0.00	0.00	0.00

932	7.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
933	6.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00
934	6.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
935	6.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.85	0.00	0.00	0.00	0.00
936	6.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
937	6.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
938	6.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
939	6.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
940	6.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00
941	6.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
942	6.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00
943	5.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00
944	5.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
945	5.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00
946	5.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
947	5.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00
948	5.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
949	5.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
950	5.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
951	5.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
952	5.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00
953	4.900	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
954	4.800	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00
955	4.700	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
956	4.600	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00
957	4.500	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
958	4.400	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00
959	4.300	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00
960	4.200	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
961	4.100	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
962	4.000	7.56	0.92	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.74	0.30	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
879	12.300	30.00	0.00	0.00	0.00	5.00	6.31	0.00	6.31	0.00	0.56	0.03	1.60	2.19	0.00	32.07	0.00	0.	0.00
880	12.200	30.00	0.00	0.00	0.00	5.00	6.23	0.00	6.23	0.00	0.56	0.03	1.59	2.18	0.00	32.14	0.00	0.	0.00
881	12.100	30.00	0.00	0.00	0.00	5.00	6.15	0.00	6.15	0.00	0.56	0.03	1.59	2.18	0.00	32.21	0.00	0.	0.00
882	12.000	30.00	0.00	0.00	0.00	5.00	6.07	0.00	6.07	0.00	0.56	0.03	1.59	2.18	0.00	32.29	0.00	0.	0.00
883	11.900	30.00	0.00	0.00	0.00	5.00	5.98	0.00	5.98	0.00	0.56	0.03	1.58	2.17	0.00	32.36	0.00	0.	0.00
884	11.800	30.00	0.00	0.00	0.00	5.00	5.91	0.00	5.91	0.00	0.56	0.03	1.58	2.17	0.00	32.43	0.00	0.	0.00
885	11.700	30.00	0.00	0.00	0.00	5.01	5.83	0.00	5.83	0.00	0.56	0.03	1.58	2.16	0.00	32.50	0.00	0.	0.00
886	11.600	30.00	0.00	0.00	0.00	5.01	5.75	0.00	5.75	0.00	0.56	0.03	1.57	2.16	0.00	32.57	0.00	0.	0.00

887	11.500	30.00	0.00	0.00	0.00	5.02	5.67	0.00	5.67	0.00	0.56	0.03	1.57	2.16	0.00	32.64	0.00	0.	0.00
888	11.400	30.00	0.00	0.00	0.00	5.03	5.60	0.00	5.60	0.00	0.56	0.03	1.57	2.15	0.00	32.71	0.00	0.	0.00
889	11.300	30.00	0.00	0.00	0.00	5.03	5.52	0.00	5.52	0.00	0.56	0.03	1.56	2.15	0.00	32.79	0.00	0.	0.00
890	11.200	30.00	0.00	0.00	0.00	5.04	5.45	0.00	5.45	0.00	0.56	0.03	1.56	2.15	0.00	32.86	0.00	0.	0.00
891	11.100	30.00	0.00	0.00	0.00	5.05	5.38	0.00	5.38	0.00	0.55	0.03	1.56	2.14	0.00	32.93	0.00	0.	0.00
892	11.000	30.00	0.00	0.00	0.00	5.07	5.30	0.00	5.30	0.00	0.55	0.03	1.55	2.14	0.00	33.00	0.00	0.	0.00
893	10.900	30.00	0.00	0.00	0.00	5.08	5.23	0.00	5.23	0.00	0.55	0.03	1.55	2.14	0.00	33.07	0.00	0.	0.00
894	10.800	30.00	0.00	0.00	0.00	5.09	5.16	0.00	5.16	0.00	0.55	0.03	1.55	2.13	0.00	33.14	0.00	0.	0.00
895	10.700	30.00	0.00	0.00	0.00	5.10	5.10	0.00	5.10	0.00	0.55	0.03	1.54	2.13	0.00	33.21	0.00	0.	0.00
896	10.600	30.00	0.00	0.00	0.00	5.12	5.03	0.00	5.03	0.00	0.55	0.03	1.54	2.12	0.00	33.29	0.00	0.	0.00
897	10.500	30.00	0.00	0.00	0.00	5.13	4.96	0.00	4.96	0.00	0.55	0.03	1.54	2.12	0.00	33.36	0.00	0.	0.00
898	10.400	30.00	0.00	0.00	0.00	5.15	4.89	0.00	4.89	0.00	0.55	0.03	1.53	2.12	0.00	33.43	0.00	0.	0.00
899	10.300	30.00	0.00	0.00	0.00	5.17	4.83	0.00	4.83	0.00	0.55	0.03	1.53	2.11	0.00	33.50	0.00	0.	0.00
900	10.200	30.00	0.00	0.00	0.00	5.18	4.76	0.00	4.76	0.00	0.55	0.03	1.53	2.11	0.00	33.57	0.00	0.	0.00
901	10.100	30.00	0.00	0.00	0.00	5.20	4.70	0.00	4.70	0.00	0.55	0.03	1.52	2.10	0.00	33.64	0.00	0.	0.00
902	10.000	30.00	0.00	0.00	0.00	5.22	4.64	0.00	4.64	0.00	0.55	0.03	1.52	2.10	0.00	33.71	0.00	0.	0.00
903	9.900	30.00	0.00	0.00	0.00	5.24	4.58	0.00	4.58	0.00	0.55	0.03	1.52	2.10	0.00	33.79	0.00	0.	0.00
904	9.800	30.00	0.00	0.00	0.00	5.26	4.52	0.00	4.52	0.00	0.55	0.03	1.51	2.09	0.00	33.86	0.00	0.	0.00
905	9.700	30.00	0.00	0.00	0.00	5.28	4.46	0.00	4.46	0.00	0.55	0.03	1.51	2.09	0.00	33.93	0.00	0.	0.00
906	9.600	30.00	0.00	0.00	0.00	5.30	4.40	0.00	4.40	0.00	0.55	0.03	1.51	2.09	0.00	34.00	0.00	0.	0.00
907	9.500	30.00	0.00	0.00	0.00	5.36	4.27	0.00	4.27	0.00	0.56	0.04	1.21	1.81	0.00	34.07	0.00	0.	0.00
908	9.400	30.00	0.00	0.00	0.00	5.38	4.23	0.00	4.23	0.00	0.56	0.04	1.20	1.81	0.00	34.14	0.00	0.	0.00
909	9.300	30.00	0.00	0.00	0.00	5.40	4.18	0.00	4.18	0.00	0.56	0.04	1.20	1.80	0.00	34.21	0.00	0.	0.00
910	9.200	30.00	0.00	0.00	0.00	5.42	4.14	0.00	4.14	0.00	0.56	0.04	1.20	1.80	0.00	34.29	0.00	0.	0.00
911	9.100	30.00	0.00	0.00	0.00	5.44	4.09	0.00	4.09	0.00	0.56	0.04	1.20	1.80	0.00	34.36	0.00	0.	0.00
912	9.000	30.00	0.00	0.00	0.00	5.46	4.05	0.00	4.05	0.00	0.56	0.04	1.19	1.79	0.00	34.43	0.00	0.	0.00
913	8.900	30.00	0.00	0.00	0.00	5.49	4.00	0.00	4.00	0.00	0.56	0.04	1.19	1.79	0.00	34.50	0.00	0.	0.00
914	8.800	30.00	0.00	0.00	0.00	5.51	3.96	0.00	3.96	0.00	0.56	0.04	1.19	1.79	0.00	34.57	0.00	0.	0.00
915	8.700	30.00	0.00	0.00	0.00	5.53	3.92	0.00	3.92	0.00	0.56	0.04	1.18	1.78	0.00	34.64	0.00	0.	0.00
916	8.600	30.00	0.00	0.00	0.00	5.55	3.88	0.00	3.88	0.00	0.56	0.04	1.18	1.78	0.00	34.71	0.00	0.	0.00
917	8.500	30.00	0.00	0.00	0.00	5.57	3.84	0.00	3.84	0.00	0.56	0.04	1.18	1.78	0.00	34.79	0.00	0.	0.00
918	8.400	30.00	0.00	0.00	0.00	5.60	3.79	0.00	3.79	0.00	0.56	0.04	1.18	1.78	0.00	34.86	0.00	0.	0.00
919	8.300	30.00	0.00	0.00	0.00	5.62	3.75	0.00	3.75	0.00	0.56	0.04	1.17	1.77	0.00	34.93	0.00	0.	0.00
920	8.200	30.00	0.00	0.00	0.00	5.64	3.71	0.00	3.71	0.00	0.55	0.04	1.17	1.77	0.00	35.00	0.00	0.	0.00
921	8.100	30.00	0.00	0.00	0.00	5.67	3.67	0.00	3.67	0.00	0.55	0.04	1.17	1.77	0.00	35.07	0.00	0.	0.00
922	8.000	30.00	0.00	0.00	0.00	5.69	3.63	0.00	3.63	0.00	0.55	0.04	1.17	1.76	0.00	35.14	0.00	0.	0.00
923	7.900	30.00	0.00	0.00	0.00	5.71	3.59	0.00	3.59	0.00	0.55	0.04	1.16	1.76	0.00	35.21	0.00	0.	0.00
924	7.800	30.00	0.00	0.00	0.00	5.73	3.56	0.00	3.56	0.00	0.55	0.04	1.16	1.76	0.00	35.29	0.00	0.	0.00
925	7.700	30.00	0.00	0.00	0.00	5.76	3.52	0.00	3.52	0.00	0.55	0.04	1.16	1.75	0.00	35.36	0.00	0.	0.00
926	7.600	30.00	0.00	0.00	0.00	5.78	3.48	0.00	3.48	0.00	0.55	0.04	1.15	1.75	0.00	35.43	0.00	0.	0.00
927	7.500	30.00	0.00	0.00	0.00	5.80	3.44	0.00	3.44	0.00	0.55	0.04	1.15	1.75	0.00	35.50	0.00	0.	0.00
928	7.400	30.00	0.00	0.00	0.00	5.83	3.41	0.00	3.41	0.00	0.55	0.04	1.15	1.74	0.00	35.57	0.00	0.	0.00
929	7.300	30.00	0.00	0.00	0.00	5.85	3.37	0.00	3.37	0.00	0.55	0.04	1.15	1.74	0.00	35.64	0.00	0.	0.00
930	7.200	30.00	0.00	0.00	0.00	5.87	3.33	0.00	3.33	0.00	0.55	0.04	1.14	1.74	0.00	35.71	0.00	0.	0.00
931	7.100	30.00	0.00	0.00	0.00	5.90	3.30	0.00	3.30	0.00	0.55	0.04	1.14	1.73	0.00	35.79	0.00	0.	0.00
932	7.000	30.00	0.00	0.00	0.00	5.92	3.26	0.00	3.26	0.00	0.55	0.04	1.14	1.73	0.00	35.86	0.00	0.	0.00
933	6.900	30.00	0.00	0.00	0.00	5.94	3.23	0.00	3.23	0.00	0.55	0.04	1.13	1.73	0.00	35.93	0.00	0.	0.00
934	6.800	30.00	0.00	0.00	0.00	5.97	3.19	0.00	3.19	0.00	0.55	0.04	1.13	1.72	0.00	36.00	0.00	0.	0.00
935	6.700	30.00	0.00	0.00	0.00	5.99	3.16	0.00	3.16	0.00	0.55	0.04	1.13	1.72	0.00	36.07	0.00	0.	0.00
936	6.600	30.00	0.00	0.00	0.00	6.01	3.12	0.00	3.12	0.00	0.55	0.04	1.13	1.72	0.00	36.14	0.00	0.	0.00

937	6.500	30.00	0.00	0.00	0.00	6.04	3.09	0.00	3.09	0.00	0.55	0.04	1.12	1.71	0.00	36.21	0.00	0.	0.00
938	6.400	30.00	0.00	0.00	0.00	6.06	3.06	0.00	3.06	0.00	0.55	0.04	1.12	1.71	0.00	36.29	0.00	0.	0.00
939	6.300	30.00	0.00	0.00	0.00	6.08	3.03	0.00	3.03	0.00	0.55	0.04	1.12	1.71	0.00	36.36	0.00	0.	0.00
940	6.200	30.00	0.00	0.00	0.00	6.11	2.99	0.00	2.99	0.00	0.55	0.04	1.11	1.70	0.00	36.43	0.00	0.	0.00
941	6.100	30.00	0.00	0.00	0.00	6.13	2.96	0.00	2.96	0.00	0.55	0.04	1.11	1.70	0.00	36.50	0.00	0.	0.00
942	6.000	30.00	0.00	0.00	0.00	6.15	2.93	0.00	2.93	0.00	0.55	0.04	1.11	1.70	0.00	36.57	0.00	0.	0.00
943	5.900	30.00	0.00	0.00	0.00	6.18	2.90	0.00	2.90	0.00	0.55	0.04	1.11	1.69	0.00	36.64	0.00	0.	0.00
944	5.800	30.00	0.00	0.00	0.00	6.20	2.87	0.00	2.87	0.00	0.55	0.04	1.10	1.69	0.00	36.71	0.00	0.	0.00
945	5.700	30.00	0.00	0.00	0.00	6.22	2.84	0.00	2.84	0.00	0.55	0.04	1.10	1.69	0.00	36.79	0.00	0.	0.00
946	5.600	30.00	0.00	0.00	0.00	6.25	2.81	0.00	2.81	0.00	0.55	0.04	1.10	1.68	0.00	36.86	0.00	0.	0.00
947	5.500	30.00	0.00	0.00	0.00	6.27	2.78	0.00	2.78	0.00	0.55	0.04	1.09	1.68	0.00	36.93	0.00	0.	0.00
948	5.400	30.00	0.00	0.00	0.00	6.29	2.75	0.00	2.75	0.00	0.55	0.04	1.09	1.68	0.00	37.00	0.00	0.	0.00
949	5.300	30.00	0.00	0.00	0.00	6.31	2.72	0.00	2.72	0.00	0.55	0.04	1.09	1.67	0.00	37.07	0.00	0.	0.00
950	5.200	30.00	0.00	0.00	0.00	6.34	2.69	0.00	2.69	0.00	0.55	0.04	1.08	1.67	0.00	37.14	0.00	0.	0.00
951	5.100	30.00	0.00	0.00	0.00	6.36	2.66	0.00	2.66	0.00	0.55	0.04	1.08	1.67	0.00	37.21	0.00	0.	0.00
952	5.000	30.00	0.00	0.00	0.00	6.38	2.63	0.00	2.63	0.00	0.55	0.04	1.08	1.66	0.00	37.29	0.00	0.	0.00
953	4.900	30.00	0.00	0.00	0.00	6.41	2.60	0.00	2.60	0.00	0.54	0.04	1.08	1.66	0.00	37.36	0.00	0.	0.00
954	4.800	30.00	0.00	0.00	0.00	6.43	2.57	0.00	2.57	0.00	0.54	0.04	1.07	1.66	0.00	37.43	0.00	0.	0.00
955	4.700	30.00	0.00	0.00	0.00	6.45	2.55	0.00	2.55	0.00	0.54	0.04	1.07	1.65	0.00	37.50	0.00	0.	0.00
956	4.600	30.00	0.00	0.00	0.00	6.48	2.52	0.00	2.52	0.00	0.54	0.04	1.07	1.65	0.00	37.57	0.00	0.	0.00
957	4.500	30.00	0.00	0.00	0.00	6.50	2.49	0.00	2.49	0.00	0.54	0.04	1.06	1.65	0.00	37.64	0.00	0.	0.00
958	4.400	30.00	0.00	0.00	0.00	6.52	2.46	0.00	2.46	0.00	0.54	0.04	1.06	1.64	0.00	37.71	0.00	0.	0.00
959	4.300	30.00	0.00	0.00	0.00	6.54	2.44	0.00	2.44	0.00	0.54	0.04	1.06	1.64	0.00	37.79	0.00	0.	0.00
960	4.200	30.00	0.00	0.00	0.00	6.57	2.41	0.00	2.41	0.00	0.54	0.04	1.05	1.64	0.00	37.86	0.00	0.	0.00
961	4.100	30.00	0.00	0.00	0.00	6.59	2.39	0.00	2.39	0.00	0.54	0.04	1.05	1.63	0.00	37.93	0.00	0.	0.00
962	4.000	30.00	0.00	0.00	0.00	6.61	2.36	0.00	2.36	0.00	0.54	0.04	1.05	1.63	0.00	38.00	0.00	0.	0.00

FINAL REPORT Upper Grand River #1 LA-QUAL Model for Upper Terrebonne
REACH NO. 15 Upper Grand River #2 Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 µg/L	NO3+2	PHOS	CHL A #/100mL	COLI	NCM
1007	UPR RCH	4.90829	30.00	0.00	0.00	0.00	6.61	2.36	0.00	2.36	0.00	0.54	0.04	1.05	0.00	38.00	0.00	0.00
1007	TRIB	1.97000	30.00	0.00	0.00	0.00	5.92	2.57	0.00	2.57	0.00	0.58	0.03	0.00	0.00	38.00	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 AREA m²	AREA m²	PRISM m³	SURFACE VELO m/s	X-SECT VELO m²/s	TIDAL VELO m/s	TIDAL	DISPRSN	MEAN
1007	4.00	3.90	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085		
1008	3.90	3.80	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085		
1009	3.80	3.70	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085		

1010	3.70	3.60	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1011	3.60	3.50	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1012	3.50	3.40	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1013	3.40	3.30	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1014	3.30	3.20	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1015	3.20	3.10	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1016	3.10	3.00	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1017	3.00	2.90	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1018	2.90	2.80	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1019	2.80	2.70	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1020	2.70	2.60	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1021	2.60	2.50	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1022	2.50	2.40	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1023	2.40	2.30	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1024	2.30	2.20	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1025	2.20	2.10	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1026	2.10	2.00	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1027	2.00	1.90	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1028	1.90	1.80	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1029	1.80	1.70	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1030	1.70	1.60	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1031	1.60	1.50	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1032	1.50	1.40	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1033	1.40	1.30	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1034	1.30	1.20	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1035	1.20	1.10	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1036	1.10	1.00	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1037	1.00	0.90	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1038	0.90	0.80	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1039	0.80	0.70	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1040	0.70	0.60	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1041	0.60	0.50	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1042	0.50	0.40	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1043	0.40	0.30	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1044	0.30	0.20	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1045	0.20	0.10	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
1046	0.10	0.00	6.87829	14.1	0.08534	0.01	1.30	62.00	8060.00	6200.00	80.60	0.00	0.000	0.000	0.085
TOT					0.54			322400.00	248000.00						
AVG				0.0853			1.30	62.00			80.60				
CUM					2.62										

********** 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 1/da	NH3 SRCE *	NH3 RATE 1/da	DENIT SRCE *	PO4 PROD **	ALG PROD **	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
1007	3.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	

1008	3.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
1009	3.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00
1010	3.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00
1011	3.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
1012	3.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00
1013	3.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00
1014	3.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.41	0.00	0.00	0.00	0.00
1015	3.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00
1016	3.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
1017	2.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.18	0.00	0.00	0.00	0.00
1018	2.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00
1019	2.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	2.03	0.00	0.00	0.00	0.00
1020	2.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00
1021	2.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.88	0.00	0.00	0.00	0.00
1022	2.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00
1023	2.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00
1024	2.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00
1025	2.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00
1026	2.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
1027	1.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
1028	1.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
1029	1.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
1030	1.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
1031	1.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
1032	1.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00
1033	1.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00
1034	1.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00
1035	1.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
1036	1.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
1037	0.900	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
1038	0.800	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00
1039	0.700	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00
1040	0.600	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00
1041	0.500	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00
1042	0.400	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
1043	0.300	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
1044	0.200	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
1045	0.100	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
1046	0.000	7.56	0.93	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.77	0.30	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

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

1007	3.900	30.00	0.00	0.00	0.00	6.43	2.41	0.00	2.41	0.00	0.55	0.04	0.72	1.31	0.00	37.05	0.00	0.	0.00
1008	3.800	30.00	0.00	0.00	0.00	6.45	2.39	0.00	2.39	0.00	0.55	0.04	0.72	1.31	0.00	36.10	0.00	0.	0.00
1009	3.700	30.00	0.00	0.00	0.00	6.46	2.38	0.00	2.38	0.00	0.55	0.04	0.72	1.31	0.00	35.15	0.00	0.	0.00
1010	3.600	30.00	0.00	0.00	0.00	6.48	2.36	0.00	2.36	0.00	0.55	0.04	0.72	1.31	0.00	34.20	0.00	0.	0.00
1011	3.500	30.00	0.00	0.00	0.00	6.49	2.34	0.00	2.34	0.00	0.55	0.04	0.72	1.30	0.00	33.25	0.00	0.	0.00
1012	3.400	30.00	0.00	0.00	0.00	6.50	2.33	0.00	2.33	0.00	0.55	0.04	0.71	1.30	0.00	32.30	0.00	0.	0.00
1013	3.300	30.00	0.00	0.00	0.00	6.51	2.31	0.00	2.31	0.00	0.55	0.04	0.71	1.30	0.00	31.35	0.00	0.	0.00
1014	3.200	30.00	0.00	0.00	0.00	6.52	2.30	0.00	2.30	0.00	0.55	0.04	0.71	1.30	0.00	30.40	0.00	0.	0.00
1015	3.100	30.00	0.00	0.00	0.00	6.53	2.29	0.00	2.29	0.00	0.55	0.04	0.71	1.30	0.00	29.45	0.00	0.	0.00
1016	3.000	30.00	0.00	0.00	0.00	6.54	2.27	0.00	2.27	0.00	0.55	0.04	0.71	1.30	0.00	28.50	0.00	0.	0.00
1017	2.900	30.00	0.00	0.00	0.00	6.55	2.26	0.00	2.26	0.00	0.55	0.04	0.71	1.29	0.00	27.55	0.00	0.	0.00
1018	2.800	30.00	0.00	0.00	0.00	6.56	2.24	0.00	2.24	0.00	0.55	0.04	0.71	1.29	0.00	26.60	0.00	0.	0.00
1019	2.700	30.00	0.00	0.00	0.00	6.56	2.23	0.00	2.23	0.00	0.55	0.04	0.71	1.29	0.00	25.65	0.00	0.	0.00
1020	2.600	30.00	0.00	0.00	0.00	6.57	2.21	0.00	2.21	0.00	0.55	0.04	0.70	1.29	0.00	24.70	0.00	0.	0.00
1021	2.500	30.00	0.00	0.00	0.00	6.57	2.20	0.00	2.20	0.00	0.55	0.04	0.70	1.29	0.00	23.75	0.00	0.	0.00
1022	2.400	30.00	0.00	0.00	0.00	6.57	2.18	0.00	2.18	0.00	0.55	0.04	0.70	1.29	0.00	22.80	0.00	0.	0.00
1023	2.300	30.00	0.00	0.00	0.00	6.57	2.17	0.00	2.17	0.00	0.55	0.04	0.70	1.29	0.00	21.85	0.00	0.	0.00
1024	2.200	30.00	0.00	0.00	0.00	6.57	2.16	0.00	2.16	0.00	0.55	0.04	0.70	1.29	0.00	20.90	0.00	0.	0.00
1025	2.100	30.00	0.00	0.00	0.00	6.57	2.14	0.00	2.14	0.00	0.55	0.04	0.70	1.28	0.00	19.95	0.00	0.	0.00
1026	2.000	30.00	0.00	0.00	0.00	6.57	2.13	0.00	2.13	0.00	0.55	0.04	0.70	1.28	0.00	19.00	0.00	0.	0.00
1027	1.900	30.00	0.00	0.00	0.00	6.57	2.12	0.00	2.12	0.00	0.55	0.04	0.70	1.28	0.00	18.05	0.00	0.	0.00
1028	1.800	30.00	0.00	0.00	0.00	6.57	2.10	0.00	2.10	0.00	0.55	0.04	0.70	1.28	0.00	17.10	0.00	0.	0.00
1029	1.700	30.00	0.00	0.00	0.00	6.56	2.09	0.00	2.09	0.00	0.55	0.04	0.70	1.28	0.00	16.15	0.00	0.	0.00
1030	1.600	30.00	0.00	0.00	0.00	6.56	2.08	0.00	2.08	0.00	0.55	0.04	0.70	1.28	0.00	15.20	0.00	0.	0.00
1031	1.500	30.00	0.00	0.00	0.00	6.55	2.06	0.00	2.06	0.00	0.55	0.04	0.70	1.28	0.00	14.25	0.00	0.	0.00
1032	1.400	30.00	0.00	0.00	0.00	6.54	2.05	0.00	2.05	0.00	0.55	0.04	0.69	1.28	0.00	13.30	0.00	0.	0.00
1033	1.300	30.00	0.00	0.00	0.00	6.54	2.04	0.00	2.04	0.00	0.55	0.04	0.69	1.28	0.00	12.35	0.00	0.	0.00
1034	1.200	30.00	0.00	0.00	0.00	6.53	2.02	0.00	2.02	0.00	0.55	0.04	0.69	1.28	0.00	11.40	0.00	0.	0.00
1035	1.100	30.00	0.00	0.00	0.00	6.52	2.01	0.00	2.01	0.00	0.55	0.04	0.69	1.28	0.00	10.45	0.00	0.	0.00
1036	1.000	30.00	0.00	0.00	0.00	6.51	2.00	0.00	2.00	0.00	0.55	0.04	0.69	1.28	0.00	9.50	0.00	0.	0.00
1037	0.900	30.00	0.00	0.00	0.00	6.50	1.98	0.00	1.98	0.00	0.55	0.04	0.69	1.28	0.00	8.55	0.00	0.	0.00
1038	0.800	30.00	0.00	0.00	0.00	6.49	1.97	0.00	1.97	0.00	0.55	0.04	0.69	1.28	0.00	7.60	0.00	0.	0.00
1039	0.700	30.00	0.00	0.00	0.00	6.48	1.96	0.00	1.96	0.00	0.55	0.04	0.69	1.27	0.00	6.65	0.00	0.	0.00
1040	0.600	30.00	0.00	0.00	0.00	6.46	1.95	0.00	1.95	0.00	0.55	0.04	0.69	1.27	0.00	5.70	0.00	0.	0.00
1041	0.500	30.00	0.00	0.00	0.00	6.45	1.93	0.00	1.93	0.00	0.55	0.04	0.69	1.27	0.00	4.75	0.00	0.	0.00
1042	0.400	30.00	0.00	0.00	0.00	6.43	1.92	0.00	1.92	0.00	0.55	0.04	0.69	1.27	0.00	3.80	0.00	0.	0.00
1043	0.300	30.00	0.00	0.00	0.00	6.42	1.91	0.00	1.91	0.00	0.55	0.04	0.69	1.27	0.00	2.85	0.00	0.	0.00
1044	0.200	30.00	0.00	0.00	0.00	6.40	1.90	0.00	1.90	0.00	0.55	0.04	0.69	1.27	0.00	1.90	0.00	0.	0.00
1045	0.100	30.00	0.00	0.00	0.00	6.39	1.88	0.00	1.88	0.00	0.55	0.04	0.69	1.27	0.00	0.95	0.00	0.	0.00
1046	0.000	30.00	0.00	0.00	0.00	6.37	1.87	0.00	1.87	0.00	0.55	0.04	0.69	1.27	0.00	0.00	0.00	0.	0.00

STREAM SUMMARY
Upper Grand River #1

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

TRAVEL TIME = 2.62 DAYS

MAXIMUM EFFLUENT = 19.73 PERCENT

FLOW = 3.94000 TO 6.87829 m^3/s

DISPERSION = 0.0000 TO 0.0000 m²/s
VELOCITY = 0.04070 TO 0.08534 m/s
DEPTH = 1.10 TO 1.30 m
WIDTH = 62.00 TO 88.00 m

BOD DECAY = 0.47 TO 0.47 per day
NH3 DECAY = 0.41 TO 0.43 per day
SOD = 1.88 TO 1.88 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 0.83 TO 0.93 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.00 TO 6.61 mg/L

FINAL REPORT Lower Flat River LA-QUAL Model for Upper Terrebonne
REACH NO. 14 Lower Flat River Calibration Simulation for Upper Terrebonne model

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

ELEM NO.	TYPE	FLOW deg C	TEMP ppt	SALN	CM-I mg/L	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	PHOS	CHL A	COLI #/100mL	NCM
963	HDWTR	1.97000	30.00	0.00	0.00	0.00	5.50	4.80	0.00	4.80	0.00	0.56	0.03	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	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
963	4.40	4.30	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
964	4.30	4.20	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
965	4.20	4.10	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
966	4.10	4.00	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
967	4.00	3.90	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
968	3.90	3.80	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
969	3.80	3.70	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
970	3.70	3.60	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
971	3.60	3.50	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
972	3.50	3.40	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
973	3.40	3.30	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
974	3.30	3.20	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
975	3.20	3.10	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	
976	3.10	3.00	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038	

977	3.00	2.90	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
978	2.90	2.80	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
979	2.80	2.70	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
980	2.70	2.60	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
981	2.60	2.50	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
982	2.50	2.40	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
983	2.40	2.30	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
984	2.30	2.20	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
985	2.20	2.10	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
986	2.10	2.00	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
987	2.00	1.90	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
988	1.90	1.80	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
989	1.80	1.70	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
990	1.70	1.60	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
991	1.60	1.50	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
992	1.50	1.40	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
993	1.40	1.30	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
994	1.30	1.20	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
995	1.20	1.10	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
996	1.10	1.00	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
997	1.00	0.90	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
998	0.90	0.80	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
999	0.80	0.70	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1000	0.70	0.60	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1001	0.60	0.50	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1002	0.50	0.40	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1003	0.40	0.30	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1004	0.30	0.20	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1005	0.20	0.10	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
1006	0.10	0.00	1.97000	0.0	0.03848	0.03	0.80	64.00	5120.00	6400.00	51.20	0.00	0.000	0.000	0.038
TOT					1.32				225280.00	281600.00					
AVG				0.0385			0.80	64.00			51.20				
CUM					1.32										

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

ELEM NO.	ENDING DIST mg/L	SAT D.O. 1/da	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 SETT 1/da	BOD#2 DECAY *	ABOD#2 SOD *	BKGD SOD *	FULL SOD 1/da	CORR DECAY 1/da	ORGN SETT *	ORGN DECAY **	SRCE **	NH3 RATE 1/da	NH3 SRCE 1/da	DENIT PROD *	PO4 PROD 1/da	ALG DECAY 1/da	MAC DECAY 1/da	COLI DECAY 1/da	NCM SETT 1/da	NCM
963	4.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
964	4.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	
965	4.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	
966	4.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	
967	3.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	
968	3.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	
969	3.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	
970	3.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	

971	3.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
972	3.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00
973	3.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00
974	3.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00
975	3.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
976	3.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00
977	2.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00
978	2.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00
979	2.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
980	2.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
981	2.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
982	2.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
983	2.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00
984	2.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00
985	2.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
986	2.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
987	1.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.71	0.00	0.00	0.00	0.00
988	1.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
989	1.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
990	1.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.91	0.00	0.00	0.00	0.00
991	1.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00
992	1.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00
993	1.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
994	1.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00
995	1.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
996	1.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.32	0.00	0.00	0.00	0.00
997	0.900	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.41	0.00	0.00	0.00	2.39	0.00	0.00	0.00	0.00
998	0.800	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.46	0.00	0.00	0.00	0.00
999	0.700	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.53	0.00	0.00	0.00	0.00
1000	0.600	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00
1001	0.500	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
1002	0.400	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.73	0.00	0.00	0.00	0.00
1003	0.300	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
1004	0.200	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00
1005	0.100	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00
1006	0.000	7.56	1.30	0.47	0.00	0.00	0.00	0.00	0.00	1.88	1.88	1.88	0.02	0.00	0.42	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.08	0.30	0.00	0.00	0.00	0.00	0.00	1.00			0.02	0.00	0.20	0.00	0.00	0.00		0.00	0.00	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II mg/L	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 µg/L	TOTN g/m³	PHOS	CHL A	MACRO	COLI #/100mL	NCM
963	4.300	30.00	0.00	0.00	0.00	5.44	4.73	0.00	4.73	0.00	0.56	0.03	0.00	0.59	0.00	0.86	0.00	0.	0.00
964	4.200	30.00	0.00	0.00	0.00	5.39	4.67	0.00	4.67	0.00	0.56	0.03	0.00	0.59	0.00	1.73	0.00	0.	0.00
965	4.100	30.00	0.00	0.00	0.00	5.35	4.60	0.00	4.60	0.00	0.56	0.03	0.00	0.59	0.00	2.59	0.00	0.	0.00

966	4.000	30.00	0.00	0.00	0.00	5.31	4.54	0.00	4.54	0.00	0.56	0.03	0.00	0.59	0.00	3.45	0.00	0.	0.00
967	3.900	30.00	0.00	0.00	0.00	5.27	4.47	0.00	4.47	0.00	0.56	0.03	0.00	0.59	0.00	4.32	0.00	0.	0.00
968	3.800	30.00	0.00	0.00	0.00	5.24	4.41	0.00	4.41	0.00	0.56	0.03	0.00	0.59	0.00	5.18	0.00	0.	0.00
969	3.700	30.00	0.00	0.00	0.00	5.21	4.35	0.00	4.35	0.00	0.56	0.03	0.00	0.59	0.00	6.05	0.00	0.	0.00
970	3.600	30.00	0.00	0.00	0.00	5.19	4.29	0.00	4.29	0.00	0.56	0.03	0.00	0.59	0.00	6.91	0.00	0.	0.00
971	3.500	30.00	0.00	0.00	0.00	5.17	4.22	0.00	4.22	0.00	0.56	0.03	0.00	0.59	0.00	7.77	0.00	0.	0.00
972	3.400	30.00	0.00	0.00	0.00	5.15	4.17	0.00	4.17	0.00	0.56	0.03	0.00	0.59	0.00	8.64	0.00	0.	0.00
973	3.300	30.00	0.00	0.00	0.00	5.13	4.11	0.00	4.11	0.00	0.56	0.03	0.00	0.60	0.00	9.50	0.00	0.	0.00
974	3.200	30.00	0.00	0.00	0.00	5.12	4.05	0.00	4.05	0.00	0.56	0.03	0.00	0.60	0.00	10.36	0.00	0.	0.00
975	3.100	30.00	0.00	0.00	0.00	5.12	3.99	0.00	3.99	0.00	0.57	0.03	0.00	0.60	0.00	11.23	0.00	0.	0.00
976	3.000	30.00	0.00	0.00	0.00	5.11	3.94	0.00	3.94	0.00	0.57	0.03	0.00	0.60	0.00	12.09	0.00	0.	0.00
977	2.900	30.00	0.00	0.00	0.00	5.11	3.88	0.00	3.88	0.00	0.57	0.03	0.00	0.60	0.00	12.95	0.00	0.	0.00
978	2.800	30.00	0.00	0.00	0.00	5.11	3.83	0.00	3.83	0.00	0.57	0.03	0.00	0.60	0.00	13.82	0.00	0.	0.00
979	2.700	30.00	0.00	0.00	0.00	5.12	3.77	0.00	3.77	0.00	0.57	0.03	0.00	0.60	0.00	14.68	0.00	0.	0.00
980	2.600	30.00	0.00	0.00	0.00	5.12	3.72	0.00	3.72	0.00	0.57	0.03	0.00	0.60	0.00	15.55	0.00	0.	0.00
981	2.500	30.00	0.00	0.00	0.00	5.13	3.67	0.00	3.67	0.00	0.57	0.03	0.00	0.60	0.00	16.41	0.00	0.	0.00
982	2.400	30.00	0.00	0.00	0.00	5.14	3.61	0.00	3.61	0.00	0.57	0.03	0.00	0.60	0.00	17.27	0.00	0.	0.00
983	2.300	30.00	0.00	0.00	0.00	5.16	3.56	0.00	3.56	0.00	0.57	0.03	0.00	0.60	0.00	18.14	0.00	0.	0.00
984	2.200	30.00	0.00	0.00	0.00	5.17	3.51	0.00	3.51	0.00	0.57	0.03	0.00	0.60	0.00	19.00	0.00	0.	0.00
985	2.100	30.00	0.00	0.00	0.00	5.19	3.46	0.00	3.46	0.00	0.57	0.03	0.00	0.60	0.00	19.86	0.00	0.	0.00
986	2.000	30.00	0.00	0.00	0.00	5.21	3.42	0.00	3.42	0.00	0.57	0.03	0.00	0.60	0.00	20.73	0.00	0.	0.00
987	1.900	30.00	0.00	0.00	0.00	5.23	3.37	0.00	3.37	0.00	0.57	0.03	0.00	0.60	0.00	21.59	0.00	0.	0.00
988	1.800	30.00	0.00	0.00	0.00	5.26	3.32	0.00	3.32	0.00	0.57	0.03	0.00	0.60	0.00	22.45	0.00	0.	0.00
989	1.700	30.00	0.00	0.00	0.00	5.28	3.27	0.00	3.27	0.00	0.57	0.03	0.00	0.60	0.00	23.32	0.00	0.	0.00
990	1.600	30.00	0.00	0.00	0.00	5.31	3.23	0.00	3.23	0.00	0.57	0.03	0.00	0.60	0.00	24.18	0.00	0.	0.00
991	1.500	30.00	0.00	0.00	0.00	5.34	3.18	0.00	3.18	0.00	0.57	0.03	0.00	0.60	0.00	25.05	0.00	0.	0.00
992	1.400	30.00	0.00	0.00	0.00	5.37	3.14	0.00	3.14	0.00	0.57	0.03	0.00	0.60	0.00	25.91	0.00	0.	0.00
993	1.300	30.00	0.00	0.00	0.00	5.40	3.09	0.00	3.09	0.00	0.57	0.03	0.00	0.60	0.00	26.77	0.00	0.	0.00
994	1.200	30.00	0.00	0.00	0.00	5.43	3.05	0.00	3.05	0.00	0.57	0.03	0.00	0.60	0.00	27.64	0.00	0.	0.00
995	1.100	30.00	0.00	0.00	0.00	5.47	3.01	0.00	3.01	0.00	0.57	0.03	0.00	0.60	0.00	28.50	0.00	0.	0.00
996	1.000	30.00	0.00	0.00	0.00	5.50	2.96	0.00	2.96	0.00	0.57	0.03	0.00	0.61	0.00	29.36	0.00	0.	0.00
997	0.900	30.00	0.00	0.00	0.00	5.54	2.92	0.00	2.92	0.00	0.57	0.03	0.00	0.61	0.00	30.23	0.00	0.	0.00
998	0.800	30.00	0.00	0.00	0.00	5.58	2.88	0.00	2.88	0.00	0.57	0.03	0.00	0.61	0.00	31.09	0.00	0.	0.00
999	0.700	30.00	0.00	0.00	0.00	5.62	2.84	0.00	2.84	0.00	0.58	0.03	0.00	0.61	0.00	31.95	0.00	0.	0.00
1000	0.600	30.00	0.00	0.00	0.00	5.66	2.80	0.00	2.80	0.00	0.58	0.03	0.00	0.61	0.00	32.82	0.00	0.	0.00
1001	0.500	30.00	0.00	0.00	0.00	5.70	2.76	0.00	2.76	0.00	0.58	0.03	0.00	0.61	0.00	33.68	0.00	0.	0.00
1002	0.400	30.00	0.00	0.00	0.00	5.74	2.72	0.00	2.72	0.00	0.58	0.03	0.00	0.61	0.00	34.55	0.00	0.	0.00
1003	0.300	30.00	0.00	0.00	0.00	5.78	2.68	0.00	2.68	0.00	0.58	0.03	0.00	0.61	0.00	35.41	0.00	0.	0.00
1004	0.200	30.00	0.00	0.00	0.00	5.83	2.65	0.00	2.65	0.00	0.58	0.03	0.00	0.61	0.00	36.27	0.00	0.	0.00
1005	0.100	30.00	0.00	0.00	0.00	5.87	2.61	0.00	2.61	0.00	0.58	0.03	0.00	0.61	0.00	37.14	0.00	0.	0.00
1006	0.000	30.00	0.00	0.00	0.00	5.92	2.57	0.00	2.57	0.00	0.58	0.03	0.00	0.61	0.00	38.00	0.00	0.	0.00

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

TRAVEL TIME = 1.32 DAYS

MAXIMUM EFFLUENT = 0.00 PERCENT

FLOW = 1.97000 TO 1.97000 m³/s
DISPERSION = 0.0000 TO 0.0000 m²/s
VELOCITY = 0.03848 TO 0.03848 m/s
DEPTH = 0.80 TO 0.80 m
WIDTH = 64.00 TO 64.00 m

BOD DECAY = 0.47 TO 0.47 per day
NH3 DECAY = 0.41 TO 0.42 per day
SOD = 1.88 TO 1.88 g/m²/d
NH3 SOURCE = 0.00 TO 0.00 g/m²/d
REAERATION = 1.30 TO 1.30 per day
BOD SETTLING = 0.00 TO 0.00 per day
ORG-N DECAY = 0.02 TO 0.02 per day
ORG-N SETTLING = 0.00 TO 0.00 per day

TEMPERATURE = 30.00 TO 30.00 deg C
DISSOLVED OXYGEN = 5.11 TO 5.92 mg/L

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

REACH SUMMARY REPORT FOR Bayou Cholpe #1

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVERAGE VELO fps	AVG DEPTH ft	AVG WIDTH ft
1	Bayou Cholpe #1	55.60	52.60	3.00	0.09	0.09485	0.37940	0.250	1.00	3.349	1.245	0.820	3.28
2	Bayou Cholpe #2	52.60	43.10	9.50	3.65	0.67955	0.03011	1.000	10.00	23.995	0.099	3.281	32.81
5	Choctaw Bayou #1	43.10	38.80	4.30	1.55	2.63110	0.03212	2.400	34.00	92.904	0.105	7.874	111.55
8	Choctaw Bayou #2	38.80	31.50	7.30	3.94	2.89407	0.02145	2.800	47.00	102.190	0.070	9.187	154.21
10	Intracoastal Waterway #2	31.50	15.90	15.60	3.84	11.82184	0.04698	3.000	76.00	417.429	0.154	9.843	249.36
12	Intracoastal Waterway #3	15.90	10.90	5.00	1.17	12.66179	0.04946	3.200	80.00	447.088	0.162	10.499	262.48
16	Intracoastal Waterway #4	10.90	0.00	10.90	1.13	19.54008	0.11166	2.500	70.00	689.960	0.366	8.202	229.67

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

REACH SUMMARY REPORT FOR Bayou Poydras #1

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVERAGE VELO fps	AVG DEPTH ft	AVG WIDTH ft
3	Bayou Poydras #1	10.30	4.60	5.70	0.06	1.38086	1.15049	0.300	4.00	48.758	3.775	0.984	13.12
4	Bayou Poydras #2	4.60	0.00	4.60	0.17	1.57194	0.30779	0.600	8.00	55.505	1.010	1.969	26.25

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

REACH SUMMARY REPORT FOR Chamberlin Canal #1

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVG VELO fps	AVERAGE DEPTH ft	AVG WIDTH ft
6	Chamberlin Canal #1	7.50	4.20	3.30	6.89	0.00200	0.00554	0.100	2.00	0.071	0.018	0.328	6.56
7	Chamberlin Canal #2	4.20	0.00	4.20	11.42	0.00915	0.00426	0.300	5.00	0.323	0.014	0.984	16.40

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

REACH SUMMARY REPORT FOR Intracoastal Waterwa

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVG VELO fps	AVERAGE DEPTH ft	AVG WIDTH ft
9	Intracoastal Waterway #1	13.40	0.00	13.40	4.69	7.56386	0.03307	3.000	76.00	267.080	0.109	9.843	249.36

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

REACH SUMMARY REPORT FOR Bayou Plaquemine

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVG VELO fps	AVERAGE DEPTH ft	AVG WIDTH ft
11	Bayou Plaquemine	11.90	0.00	11.90	5.54	0.83995	0.02486	1.100	30.00	29.659	0.082	3.609	98.43

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

REACH SUMMARY REPORT FOR Upper Grand River #1

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVG VELO fps	AVERAGE DEPTH ft	AVG WIDTH ft
13	Upper Grand River #1	12.40	4.00	8.40	2.07	4.90829	0.04687	1.100	88.00	173.312	0.154	3.609	288.73
15	Upper Grand River #2	4.00	0.00	4.00	0.54	6.87829	0.08534	1.300	62.00	242.872	0.280	4.265	203.42

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

REACH SUMMARY REPORT FOR Lower Flat River

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVERAGE VELO fps	AVG DEPTH ft	AVG WIDTH ft
14	Lower Flat River	4.40	0.00	4.40	1.32	1.97000	0.03848	0.800	64.00	69.561	0.126	2.625	209.98

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	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	41.	0.	-42.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-41.7	41.7	0.00
2	42.	0.	-42.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-42.3	42.3	0.00
3	42.	0.	-43.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-42.9	42.9	0.00
4	43.	0.	-43.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-43.4	43.4	0.00
5	43.	0.	-44.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-43.9	43.9	0.00
6	44.	0.	-44.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-44.4	44.4	0.00
7	44.	0.	-45.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-44.9	44.9	0.00
8	45.	0.	-45.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-45.4	45.4	0.00
9	45.	0.	-46.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-45.8	45.8	0.00
10	46.	0.	-46.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-46.2	46.2	0.00
11	46.	0.	-47.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-46.7	46.7	0.00
12	47.	0.	-47.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-47.1	47.1	0.00
13	47.	0.	-47.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-47.5	47.5	0.00
14	47.	0.	-48.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-47.8	47.8	0.00
15	48.	0.	-48.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-48.2	48.2	0.00
16	48.	0.	-48.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-48.5	48.5	0.00
17	48.	0.	-49.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-48.9	48.9	0.00
18	49.	0.	-49.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-49.2	49.2	0.00
19	49.	0.	-49.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-49.5	49.5	0.00
20	49.	0.	-50.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-49.8	49.8	0.00
21	50.	0.	-50.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-50.1	50.1	0.00
22	50.	0.	-50.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-50.4	50.4	0.00
23	50.	0.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-50.7	50.7	0.00
24	51.	0.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-50.9	50.9	0.00
25	51.	0.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-51.2	51.2	0.00
26	51.	0.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-51.4	51.4	0.00
27	51.	0.	-51.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-51.6	51.6	0.00
28	51.	0.	-52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-51.9	51.9	0.00
29	52.	0.	-52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-52.1	52.1	0.00
30	52.	0.	-52.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-52.3	52.3	0.00
31	52.	0.	-54.	0.	0.	0.	3.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-56.0	56.0	0.00
32	54.	0.	-56.	0.	0.	0.	3.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-57.9	57.9	0.00
33	56.	0.	-58.	0.	0.	0.	3.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-59.9	59.9	0.00
34	58.	0.	-60.	0.	0.	0.	3.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-62.0	62.0	0.00

35	60.	0.	-62.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-64.1	64.1	0.00
36	62.	0.	-64.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-66.3	66.3	0.00
37	64.	0.	-66.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-68.5	68.5	0.00
38	66.	0.	-69.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-70.8	70.8	0.00
39	69.	0.	-71.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-73.1	73.1	0.00
40	71.	0.	-73.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-75.4	75.4	0.00
41	73.	0.	-76.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-77.7	77.7	0.00
42	76.	0.	-78.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-80.1	80.1	0.00
43	78.	0.	-80.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-82.5	82.5	0.00
44	80.	0.	-83.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-84.9	84.9	0.00
45	83.	0.	-85.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-87.3	87.3	0.00
46	85.	0.	-88.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-89.7	89.7	0.00
47	88.	0.	-90.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-92.2	92.2	0.00
48	90.	0.	-92.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-94.6	94.6	0.00
49	92.	0.	-95.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-97.1	97.1	0.00
50	95.	0.	-97.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-99.6	99.6	0.00
51	97.	0.	-100.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-102.1	102.1	0.00
52	100.	0.	-102.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-104.6	104.6	0.00
53	102.	0.	-105.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-107.1	107.1	0.00
54	105.	0.	-107.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-109.6	109.6	0.00
55	107.	0.	-110.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-112.1	112.1	0.00
56	110.	0.	-112.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-114.6	114.6	0.00
57	112.	0.	-115.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-117.1	117.1	0.00
58	115.	0.	-117.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-119.6	119.6	0.00
59	117.	0.	-120.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-122.2	122.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR DISP	UPMN DISP	UPTR DISP	LOWR IN	INCR OUT	INCR IN	NONP IN	WSLD OUT	WITH IN	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
60	120.	0.	-122.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-124.7	124.7	0.00
61	122.	0.	-125.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-127.2	127.2	0.00
62	125.	0.	-128.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-129.8	129.8	0.00
63	128.	0.	-130.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-132.3	132.3	0.00
64	130.	0.	-133.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-134.9	134.9	0.00
65	133.	0.	-135.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-137.4	137.4	0.00
66	135.	0.	-138.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-140.0	140.0	0.00
67	138.	0.	-140.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-142.5	142.5	0.00
68	140.	0.	-143.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-145.1	145.1	0.00
69	143.	0.	-146.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-147.7	147.7	0.00
70	146.	0.	-148.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-150.4	150.4	0.00
71	148.	0.	-151.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-153.0	153.0	0.00
72	151.	0.	-153.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-155.7	155.7	0.00
73	153.	0.	-156.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-158.4	158.4	0.00
74	156.	0.	-159.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-161.1	161.1	0.00
75	159.	0.	-162.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-163.8	163.8	0.00
76	162.	0.	-164.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-166.6	166.6	0.00
77	164.	0.	-167.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-169.3	169.3	0.00
78	167.	0.	-170.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-172.1	172.1	0.00

79	170.	0.	-173.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-174.9	174.9	0.00
80	173.	0.	-175.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-177.7	177.7	0.00
81	175.	0.	-178.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-180.5	180.5	0.00
82	178.	0.	-181.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-183.3	183.3	0.00
83	181.	0.	-184.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-186.2	186.2	0.00
84	184.	0.	-187.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-189.0	189.0	0.00
85	187.	0.	-190.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-191.9	191.9	0.00
86	190.	0.	-193.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-194.8	194.8	0.00
87	193.	0.	-195.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-197.7	197.7	0.00
88	195.	0.	-198.	0.	0.	0.	3.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-200.6	200.6	0.00
89	198.	0.	-201.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-203.5	203.5	0.00
90	201.	0.	-204.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-206.4	206.4	0.00
91	204.	0.	-207.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-209.4	209.4	0.00
92	207.	0.	-210.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-212.3	212.3	0.00
93	210.	0.	-213.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-215.3	215.3	0.00
94	213.	0.	-216.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-218.2	218.2	0.00
95	216.	0.	-219.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-221.2	221.2	0.00
96	219.	0.	-222.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-224.2	224.2	0.00
97	222.	0.	-225.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-227.2	227.2	0.00
98	225.	0.	-228.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-230.2	230.2	0.00
99	228.	0.	-231.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-233.2	233.2	0.00
100	231.	0.	-234.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-236.2	236.2	0.00
101	234.	0.	-237.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-239.2	239.2	0.00
102	237.	0.	-240.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-242.3	242.3	0.00
103	240.	0.	-243.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-245.3	245.3	0.00
104	243.	0.	-246.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-248.3	248.3	0.00
105	246.	0.	-249.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-251.4	251.4	0.00
106	249.	0.	-252.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-254.5	254.5	0.00
107	252.	0.	-255.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-257.5	257.5	0.00
108	255.	0.	-258.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-260.6	260.6	0.00
109	258.	0.	-261.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-263.7	263.7	0.00
110	261.	0.	-265.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-266.8	266.8	0.00
111	265.	0.	-268.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-269.9	269.9	0.00
112	268.	0.	-271.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-273.0	273.0	0.00
113	271.	0.	-274.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-276.1	276.1	0.00
114	274.	0.	-277.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-279.2	279.2	0.00
115	277.	0.	-280.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-282.3	282.3	0.00
116	280.	0.	-283.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-285.4	285.4	0.00
117	283.	0.	-286.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-288.6	288.6	0.00
118	286.	0.	-289.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-291.7	291.7	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
119	289.	0.	-293.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-294.9	294.9	0.00
120	293.	0.	-296.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-298.0	298.0	0.00
121	296.	0.	-299.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-301.2	301.2	0.00
122	299.	0.	-302.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-304.3	304.3	0.00

123	302.	0.	-305.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-307.5	307.5	0.00
124	305.	0.	-308.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-310.7	310.7	0.00
125	308.	0.	-312.	0.	0.	0.	3.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-313.8	313.8	0.00
229	312.	839.	-1131.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-8.	-12.	0.	0.	-6.	0.	0.	0.	1.	0.	0.	-1156.5	1156.5	-0.01
230	1131.	0.	-1278.	0.	0.	0.	0.	0.	0.	164.	0.	6.	-7.	-10.	0.	0.	-6.	0.	0.	0.	2.	0.	0.	-1302.0	1302.0	-0.01
231	1278.	0.	-1263.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-10.	0.	0.	-6.	0.	0.	0.	3.	0.	0.	-1286.9	1286.9	-0.01
232	1263.	0.	-1250.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-10.	0.	0.	-6.	0.	0.	0.	4.	0.	0.	-1273.2	1273.2	-0.01
233	1250.	0.	-1237.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-10.	0.	0.	-6.	0.	0.	0.	5.	0.	0.	-1260.8	1260.8	-0.01
234	1237.	0.	-1226.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-10.	0.	0.	-6.	0.	0.	0.	6.	0.	0.	-1249.6	1249.6	0.00
235	1226.	0.	-1217.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-9.	0.	0.	-6.	0.	0.	0.	7.	0.	0.	-1239.7	1239.7	0.00
236	1217.	0.	-1208.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-9.	0.	0.	-6.	0.	0.	0.	8.	0.	0.	-1231.1	1231.1	0.00
237	1208.	0.	-1201.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	9.	0.	0.	-1223.7	1223.7	0.00
238	1201.	0.	-1195.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	10.	0.	0.	-1217.5	1217.5	0.00
239	1195.	0.	-1190.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	11.	0.	0.	-1212.4	1212.4	0.00
240	1190.	0.	-1186.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	12.	0.	0.	-1208.6	1208.6	0.00
241	1186.	0.	-1184.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	13.	0.	0.	-1205.9	1205.9	0.00
242	1184.	0.	-1182.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-9.	0.	0.	-6.	0.	0.	0.	14.	0.	0.	-1204.3	1204.3	0.00
243	1182.	0.	-1182.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	15.	0.	0.	-1203.9	1203.9	0.00
244	1182.	0.	-1183.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	16.	0.	0.	-1204.5	1204.5	0.00
245	1183.	0.	-1184.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	17.	0.	0.	-1206.2	1206.2	0.00
246	1184.	0.	-1187.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	18.	0.	0.	-1209.0	1209.0	0.00
247	1187.	0.	-1191.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	19.	0.	0.	-1212.9	1212.9	0.00
248	1191.	0.	-1196.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-8.	0.	0.	-6.	0.	0.	0.	20.	0.	0.	-1217.7	1217.7	0.00
249	1196.	0.	-1202.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-8.	0.	0.	-6.	0.	0.	0.	21.	0.	0.	-1223.6	1223.6	0.00
250	1202.	0.	-1209.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-8.	0.	0.	-6.	0.	0.	0.	22.	0.	0.	-1230.5	1230.5	0.00
251	1209.	0.	-1217.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-8.	0.	0.	-6.	0.	0.	0.	23.	0.	0.	-1238.4	1238.4	0.00
252	1217.	0.	-1226.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-8.	0.	0.	-6.	0.	0.	0.	24.	0.	0.	-1247.3	1247.3	0.00
253	1226.	0.	-1236.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-7.	0.	0.	-6.	0.	0.	0.	25.	0.	0.	-1257.1	1257.1	0.00
254	1236.	0.	-1247.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-7.	0.	0.	-6.	0.	0.	0.	26.	0.	0.	-1267.8	1267.8	0.00
255	1247.	0.	-1259.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-7.	0.	0.	-6.	0.	0.	0.	27.	0.	0.	-1279.5	1279.5	0.00
256	1259.	0.	-1271.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-7.	0.	0.	-6.	0.	0.	0.	28.	0.	0.	-1292.1	1292.1	-0.01
257	1271.	0.	-1285.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-7.	-7.	0.	0.	-6.	0.	0.	0.	29.	0.	0.	-1305.7	1305.7	-0.01
258	1285.	0.	-1300.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-7.	-7.	0.	0.	-6.	0.	0.	0.	30.	0.	0.	-1320.1	1320.1	-0.01
259	1300.	0.	-1315.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-7.	-7.	0.	0.	-6.	0.	0.	0.	31.	0.	0.	-1335.4	1335.4	-0.01
260	1315.	0.	-1331.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-7.	-7.	0.	0.	-6.	0.	0.	0.	32.	0.	0.	-1351.5	1351.5	-0.01
261	1331.	0.	-1348.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-7.	-7.	0.	0.	-6.	0.	0.	0.	33.	0.	0.	-1368.5	1368.5	-0.01
262	1348.	0.	-1366.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-7.	-7.	0.	0.	-6.	0.	0.	0.	34.	0.	0.	-1386.4	1386.4	-0.01
263	1366.	0.	-1385.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-7.	-7.	0.	0.	-6.	0.	0.	0.	35.	0.	0.	-1405.1	1405.1	-0.01
264	1385.	0.	-1405.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-7.	-7.	0.	0.	-6.	0.	0.	0.	36.	0.	0.	-1424.6	1424.6	-0.01
265	1405.	0.	-1425.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-7.	-7.	0.	0.	-6.	0.	0.	0.	37.	0.	0.	-1444.9	1444.9	-0.01
266	1425.	0.	-1446.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-7.	-7.	0.	0.	-6.	0.	0.	0.	38.	0.	0.	-1466.0	1466.0	-0.01
267	1446.	0.	-1468.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-7.	-6.	0.	0.	-6.	0.	0.	0.	39.	0.	0.	-1487.9	1487.9	-0.01
268	1468.	0.	-1491.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-7.	-6.	0.	0.	-6.	0.	0.	0.	40.	0.	0.	-1510.6	1510.6	-0.01
269	1491.	0.	-1514.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-7.	-6.	0.	0.	-6.	0.	0.	0.	41.	0.	0.	-1534.1	1534.1	-0.01
270	1514.	0.	-1539.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-7.	-6.	0.	0.	-6.	0.	0.	0.	42.	0.	0.	-1558.3	1558.3	-0.01
271	1539.	0.	-1564.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-7.	-6.	0.	0.	-6.	0.	0.	0.	43.	0.	0.	-1583.3	1583.3	-0.01
347	1564.	6.	-1609.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-11.	-10.	0.	0.	-9.	0.	0.	0.	68.	0.	0.	-1639.2	1639.2	-0.02
348	1609.	0.	-1648.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-11.	-10.	0.	0.	-9.	0.	0.	0.	67.	0.	0.	-1677.6	1677.6	-0.02
349	1648.	0.	-1685.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-11.	-9.	0.	0.	-9.	0.	0.	0.	66.	0.	0.	-1714.6	1714.6	-0.02
350	1685.	0.	-1721.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-11.	-9.	0.	0.	-9.	0.	0.	0.	65.	0.	0.	-1750.2	1750.2	-0.02

351	1721.	0.	-1755.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-11.	-9.	0.	0.	-9.	0.	0.	0.	64.	0.	0.	-1785.0	1785.0	-0.02
352	1755.	0.	-1789.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-11.	-9.	0.	0.	-9.	0.	0.	0.	63.	0.	0.	-1818.6	1818.6	-0.02
353	1789.	0.	-1821.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-11.	-9.	0.	0.	-9.	0.	0.	0.	62.	0.	0.	-1850.8	1850.8	-0.02
354	1821.	0.	-1851.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-11.	-9.	0.	0.	-9.	0.	0.	0.	61.	0.	0.	-1881.7	1881.7	-0.02
355	1851.	0.	-1881.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-11.	-8.	0.	0.	-9.	0.	0.	0.	60.	0.	0.	-1911.4	1911.4	-0.02

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	INCR IN	INCR IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
356	1881.	0.	-1909.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-11.	-8.	0.	0.	-9.	0.	0.	0.	59.	0.	0.	-1939.9	1939.8	-0.02
357	1909.	0.	-1936.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-11.	-8.	0.	0.	-9.	0.	0.	0.	58.	0.	0.	-1967.1	1967.0	-0.02
358	1936.	0.	-1961.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-11.	-8.	0.	0.	-9.	0.	0.	0.	57.	0.	0.	-1993.1	1993.0	-0.02
359	1961.	0.	-1986.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-11.	-8.	0.	0.	-9.	0.	0.	0.	57.	0.	0.	-2017.9	2017.8	-0.02
360	1986.	0.	-2009.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-11.	-8.	0.	0.	-9.	0.	0.	0.	56.	0.	0.	-2041.5	2041.4	-0.02
361	2009.	0.	-2032.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-11.	-7.	0.	0.	-9.	0.	0.	0.	55.	0.	0.	-2063.9	2063.9	-0.02
362	2032.	0.	-2053.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-11.	-7.	0.	0.	-9.	0.	0.	0.	54.	0.	0.	-2085.2	2085.2	-0.02
363	2053.	0.	-2073.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-11.	-7.	0.	0.	-9.	0.	0.	0.	53.	0.	0.	-2105.4	2105.4	-0.02
364	2073.	0.	-2092.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-11.	-7.	0.	0.	-9.	0.	0.	0.	52.	0.	0.	-2124.5	2124.4	-0.02
365	2092.	0.	-2109.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-11.	-7.	0.	0.	-9.	0.	0.	0.	51.	0.	0.	-2142.4	2142.4	-0.02
366	2109.	0.	-2227.	0.	0.	0.	0.	0.	0.	102.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	50.	0.	0.	-2260.8	2260.8	-0.02
367	2227.	0.	-2250.	0.	0.	0.	0.	0.	0.	8.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	49.	0.	0.	-2284.3	2284.3	-0.02
368	2250.	0.	-2264.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	48.	0.	0.	-2298.2	2298.2	-0.02
369	2264.	0.	-2277.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	47.	0.	0.	-2311.2	2311.2	-0.02
370	2277.	0.	-2289.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	46.	0.	0.	-2323.2	2323.2	-0.02
371	2289.	0.	-2300.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-9.	0.	0.	-9.	0.	0.	0.	45.	0.	0.	-2334.3	2334.3	-0.02
372	2300.	0.	-2310.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	44.	0.	0.	-2344.4	2344.4	-0.02
373	2310.	0.	-2320.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	43.	0.	0.	-2353.7	2353.7	-0.02
374	2320.	0.	-2328.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	42.	0.	0.	-2362.0	2362.0	-0.02
375	2328.	0.	-2335.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	41.	0.	0.	-2369.4	2369.4	-0.02
376	2335.	0.	-2342.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	40.	0.	0.	-2376.0	2375.9	-0.02
377	2342.	0.	-2348.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-8.	0.	0.	-9.	0.	0.	0.	40.	0.	0.	-2381.6	2381.6	-0.02
378	2348.	0.	-2353.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	39.	0.	0.	-2386.4	2386.4	-0.02
379	2353.	0.	-2357.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	38.	0.	0.	-2390.3	2390.3	-0.02
380	2357.	0.	-2360.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	37.	0.	0.	-2393.4	2393.4	-0.02
381	2360.	0.	-2362.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	36.	0.	0.	-2395.6	2395.6	-0.02
382	2362.	0.	-2364.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	35.	0.	0.	-2397.1	2397.0	-0.02
383	2364.	0.	-2364.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	-10.	-7.	0.	0.	-9.	0.	0.	0.	34.	0.	0.	-2397.6	2397.6	-0.02
384	2364.	0.	-2364.	0.	0.	0.	0.	0.	0.	0.	0.	-8.	-10.	-7.	0.	0.	-9.	0.	0.	0.	33.	0.	0.	-2397.4	2397.4	-0.02
385	2364.	0.	-2364.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-7.	0.	0.	-9.	0.	0.	0.	32.	0.	0.	-2396.4	2396.4	-0.02
386	2364.	0.	-2362.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	31.	0.	0.	-2394.6	2394.6	-0.02
387	2362.	0.	-2359.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	30.	0.	0.	-2392.0	2392.0	-0.02
388	2359.	0.	-2356.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	29.	0.	0.	-2388.7	2388.7	-0.02
389	2356.	0.	-2352.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	28.	0.	0.	-2384.6	2384.6	-0.02
390	2352.	0.	-2348.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	27.	0.	0.	-2379.7	2379.7	-0.02
391	2348.	0.	-2342.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	26.	0.	0.	-2374.1	2374.1	-0.01
392	2342.	0.	-2336.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	25.	0.	0.	-2367.8	2367.8	-0.01
393	2336.	0.	-2329.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	24.	0.	0.	-2360.7	2360.7	-0.01
394	2329.	0.	-2322.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	24.	0.	0.	-2352.9	2352.9	-0.01

395	2322.	0.	-2314.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-6.	0.	0.	-9.	0.	0.	0.	23.	0.	0.	-2344.5	2344.4	-0.01
396	2314.	0.	-2305.	0.	0.	0.	0.	0.	0.	0.	0.	-7.	-10.	-5.	0.	0.	-9.	0.	0.	0.	22.	0.	0.	-2335.3	2335.3	-0.01
397	2305.	0.	-2295.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-5.	0.	0.	-9.	0.	0.	0.	21.	0.	0.	-2325.4	2325.4	-0.01
398	2295.	0.	-2285.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-5.	0.	0.	-9.	0.	0.	0.	20.	0.	0.	-2314.9	2314.8	-0.01
399	2285.	0.	-2274.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-5.	0.	0.	-9.	0.	0.	0.	19.	0.	0.	-2303.6	2303.6	-0.01
400	2274.	0.	-2262.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-5.	0.	0.	-9.	0.	0.	0.	18.	0.	0.	-2291.7	2291.7	-0.01
401	2262.	0.	-2250.	0.	0.	0.	0.	0.	0.	0.	0.	-6.	-10.	-5.	0.	0.	-9.	0.	0.	0.	17.	0.	0.	-2279.2	2279.2	-0.01
402	2250.	0.	-2237.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-10.	-5.	0.	0.	-9.	0.	0.	0.	16.	0.	0.	-2266.0	2266.0	-0.01
403	2237.	0.	-2224.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-10.	-5.	0.	0.	-9.	0.	0.	0.	15.	0.	0.	-2252.2	2252.2	-0.01
404	2224.	0.	-2209.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-10.	-5.	0.	0.	-9.	0.	0.	0.	14.	0.	0.	-2237.7	2237.7	-0.01
405	2209.	0.	-2195.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-10.	-5.	0.	0.	-9.	0.	0.	0.	13.	0.	0.	-2222.6	2222.6	-0.01
406	2195.	0.	-2179.	0.	0.	0.	0.	0.	0.	0.	0.	-5.	-10.	-5.	0.	0.	-9.	0.	0.	0.	12.	0.	0.	-2206.9	2206.9	-0.01
407	2179.	0.	-2163.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-10.	-5.	0.	0.	-9.	0.	0.	0.	11.	0.	0.	-2190.6	2190.6	-0.01
408	2163.	0.	-2147.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-10.	-4.	0.	0.	-9.	0.	0.	0.	10.	0.	0.	-2173.7	2173.7	-0.01
409	2147.	0.	-2130.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-10.	-4.	0.	0.	-9.	0.	0.	0.	9.	0.	0.	-2156.2	2156.2	-0.01
410	2130.	0.	-2112.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-10.	-4.	0.	0.	-9.	0.	0.	0.	8.	0.	0.	-2138.1	2138.1	-0.01
411	2112.	0.	-2094.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-10.	-4.	0.	0.	-9.	0.	0.	0.	8.	0.	0.	-2119.5	2119.4	-0.01
412	2094.	0.	-2075.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-10.	-4.	0.	0.	-9.	0.	0.	0.	7.	0.	0.	-2100.2	2100.2	-0.01
413	2075.	0.	-2055.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-10.	-4.	0.	0.	-9.	0.	0.	0.	6.	0.	0.	-2080.4	2080.4	-0.01
414	2055.	0.	-2035.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-10.	-4.	0.	0.	-9.	0.	0.	0.	5.	0.	0.	-2060.1	2060.1	-0.01

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
415	2035.	0.	-2015.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-9.	-4.	0.	0.	-9.	0.	0.	0.	4.	0.	0.	-2039.2	2039.2	-0.01
416	2015.	0.	-1994.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-9.	-4.	0.	0.	-9.	0.	0.	0.	3.	0.	0.	-2017.7	2017.7	-0.01
417	1994.	0.	-1972.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-9.	-4.	0.	0.	-9.	0.	0.	0.	2.	0.	0.	-1995.8	1995.7	-0.01
418	1972.	0.	-1950.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-9.	-4.	0.	0.	-9.	0.	0.	0.	1.	0.	0.	-1973.2	1973.2	-0.01
419	1950.	0.	-1928.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-9.	-4.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-1950.2	1950.2	-0.01
554	1928.	4131.	-6040.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-6064.0	6064.0	0.00
555	6040.	0.	-6022.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-6045.9	6045.9	0.00
556	6022.	0.	-6004.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-6028.0	6028.0	0.00
557	6004.	0.	-5987.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-6010.2	6010.2	0.00
558	5987.	0.	-5969.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5992.6	5992.6	0.00
559	5969.	0.	-5952.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5975.2	5975.2	0.00
560	5952.	0.	-5934.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5957.9	5957.9	0.00
561	5934.	0.	-5917.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-7.	-3.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5940.8	5940.7	0.00
562	5917.	0.	-5900.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5923.8	5923.8	0.00
563	5900.	0.	-5884.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5907.0	5907.0	0.00
564	5884.	0.	-5867.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5890.3	5890.3	0.00
565	5867.	0.	-5850.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5873.8	5873.8	0.00
566	5850.	0.	-5834.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5857.5	5857.5	0.00
567	5834.	0.	-5818.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5841.3	5841.3	0.00
568	5818.	0.	-5802.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5825.3	5825.3	0.00
569	5802.	0.	-5786.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5809.4	5809.4	0.00
570	5786.	0.	-5770.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5793.6	5793.6	0.00
571	5770.	0.	-5755.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5778.0	5778.0	0.00
572	5755.	0.	-5739.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5762.6	5762.6	0.00

573	5739.	0.	-5724.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5747.3	5747.3	0.00
574	5724.	0.	-5709.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5732.1	5732.1	0.00
575	5709.	0.	-5694.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5717.1	5717.1	0.00
576	5694.	0.	-5679.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5702.2	5702.2	0.00
577	5679.	0.	-5664.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5687.5	5687.5	0.00
578	5664.	0.	-5650.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5672.8	5672.8	0.00
579	5650.	0.	-5635.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5658.4	5658.4	0.00
580	5635.	0.	-5621.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5644.0	5644.0	0.00
581	5621.	0.	-5607.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5629.8	5629.8	0.00
582	5607.	0.	-5593.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5615.8	5615.8	0.00
583	5593.	0.	-5579.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5601.8	5601.8	0.00
584	5579.	0.	-5565.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5588.0	5588.0	0.00
585	5565.	0.	-5552.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5574.3	5574.3	0.00
586	5552.	0.	-5538.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5560.8	5560.8	0.00
587	5538.	0.	-5525.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5547.4	5547.4	0.00
588	5525.	0.	-5511.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5534.1	5534.1	0.00
589	5511.	0.	-5498.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5520.9	5520.9	0.00
590	5498.	0.	-5485.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5507.8	5507.8	0.00
591	5485.	0.	-5472.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5494.9	5494.9	0.00
592	5472.	0.	-5460.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5482.1	5482.1	0.00
593	5460.	0.	-5447.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5469.4	5469.4	0.00
594	5447.	0.	-5434.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5456.8	5456.8	0.00
595	5434.	0.	-5422.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5444.4	5444.4	0.00
596	5422.	0.	-5410.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5432.1	5432.1	0.00
597	5410.	0.	-5398.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5419.8	5419.8	0.00
598	5398.	0.	-5385.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5407.7	5407.7	0.00
599	5385.	0.	-5373.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5395.7	5395.7	0.00
600	5373.	0.	-5362.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5383.9	5383.9	0.00
601	5362.	0.	-5350.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5372.1	5372.1	0.00
602	5350.	0.	-5338.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5360.4	5360.4	0.00
603	5338.	0.	-5327.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5348.9	5348.9	0.00
604	5327.	0.	-5315.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5337.5	5337.5	0.00
605	5315.	0.	-5304.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5326.1	5326.1	0.00
606	5304.	0.	-5293.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5314.9	5314.9	0.00
607	5293.	0.	-5282.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5303.8	5303.8	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
608	5282.	0.	-5271.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5292.8	5292.8	0.00
609	5271.	0.	-5260.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5281.9	5281.9	0.00
610	5260.	0.	-5249.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5271.1	5271.1	0.00
611	5249.	0.	-5238.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5260.4	5260.4	0.00
612	5238.	0.	-5228.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5249.8	5249.7	0.00
613	5228.	0.	-5217.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5239.2	5239.2	0.00
614	5217.	0.	-5207.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5228.8	5228.8	0.00
615	5207.	0.	-5197.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5218.5	5218.5	0.00
616	5197.	0.	-5187.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5208.3	5208.3	0.00

617	5187.	0.	-5176.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5198.2	5198.2	0.00
618	5176.	0.	-5166.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5188.2	5188.2	0.00
619	5166.	0.	-5157.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5178.3	5178.3	0.00
620	5157.	0.	-5147.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5168.4	5168.4	0.00
621	5147.	0.	-5137.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5158.7	5158.7	0.00
622	5137.	0.	-5127.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5149.1	5149.1	0.00
623	5127.	0.	-5118.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5139.6	5139.6	0.00
624	5118.	0.	-5108.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5130.1	5130.1	0.00
625	5108.	0.	-5099.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5120.7	5120.7	0.00
626	5099.	0.	-5090.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5111.5	5111.5	0.00
627	5090.	0.	-5081.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5102.3	5102.3	0.00
628	5081.	0.	-5072.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5093.2	5093.2	0.00
629	5072.	0.	-5063.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5084.1	5084.1	0.00
630	5063.	0.	-5054.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5075.2	5075.2	0.00
631	5054.	0.	-5045.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5066.4	5066.4	0.00
632	5045.	0.	-5036.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5057.6	5057.6	0.00
633	5036.	0.	-5027.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5048.9	5048.9	0.00
634	5027.	0.	-5019.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5040.3	5040.3	0.00
635	5019.	0.	-5010.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5031.8	5031.8	0.00
636	5010.	0.	-5002.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5023.4	5023.4	0.00
637	5002.	0.	-4994.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5015.0	5015.0	0.00
638	4994.	0.	-4985.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5006.7	5006.7	0.00
639	4985.	0.	-4977.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4998.5	4998.5	0.00
640	4977.	0.	-4969.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4990.4	4990.4	0.00
641	4969.	0.	-4961.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4982.4	4982.4	0.00
642	4961.	0.	-4953.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4974.4	4974.4	0.00
643	4953.	0.	-4945.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4966.5	4966.5	0.00
644	4945.	0.	-4938.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4958.7	4958.7	0.00
645	4938.	0.	-4930.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4951.0	4951.0	0.00
646	4930.	0.	-4922.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4943.3	4943.3	0.00
647	4922.	0.	-4915.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4935.7	4935.7	0.00
648	4915.	0.	-4907.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4928.2	4928.2	0.00
649	4907.	0.	-4900.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4920.7	4920.7	0.00
650	4900.	0.	-4892.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4913.4	4913.4	0.00
651	4892.	0.	-4885.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4906.1	4906.1	0.00
652	4885.	0.	-4878.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4898.8	4898.8	0.00
653	4878.	0.	-4871.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4891.7	4891.7	0.00
654	4871.	0.	-4864.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4884.6	4884.6	0.00
655	4864.	0.	-4857.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4877.6	4877.6	0.00
656	4857.	0.	-4850.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4870.7	4870.7	0.00
657	4850.	0.	-4843.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4863.8	4863.8	0.00
658	4843.	0.	-4836.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4856.9	4856.9	0.00
659	4836.	0.	-4829.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4850.2	4850.2	0.00
660	4829.	0.	-4823.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4843.5	4843.5	0.00
661	4823.	0.	-4816.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4836.9	4836.9	0.00
662	4816.	0.	-4809.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4830.3	4830.3	0.00
663	4809.	0.	-4803.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4823.8	4823.8	0.00
664	4803.	0.	-4797.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4817.4	4817.4	0.00
665	4797.	0.	-4790.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4811.0	4811.0	0.00
666	4790.	0.	-4786.	0.	0.	0.	0.	0.	0.	2.	0.	14.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4806.6	4806.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	UPTR ADV	LOWR DISP	UPMN DISP	UPTR DISP	LOWR IN	LOWR OUT	INCR IN	INCR IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
667	4786.	0.	-4780.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4800.3	4800.3	0.00	
668	4780.	0.	-4773.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4794.1	4794.1	0.00	
669	4773.	0.	-4767.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4787.9	4787.9	0.00	
670	4767.	0.	-4761.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4781.8	4781.8	0.00	
671	4761.	0.	-4755.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4775.7	4775.7	0.00	
672	4755.	0.	-4749.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4769.7	4769.7	0.00	
673	4749.	0.	-4743.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4763.8	4763.8	0.00	
674	4743.	0.	-4737.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4757.9	4757.9	0.00	
675	4737.	0.	-4731.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4752.1	4752.1	0.00	
676	4731.	0.	-4726.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4746.3	4746.3	0.00	
677	4726.	0.	-4720.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-4740.6	4740.6	0.00	
678	4720.	0.	-5301.	0.	0.	0.	0.	0.	0.	587.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5322.2	5322.2	0.00	
679	5301.	0.	-5296.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5316.5	5316.5	0.00	
680	5296.	0.	-5290.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5310.8	5310.8	0.00	
681	5290.	0.	-5284.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5305.2	5305.2	0.00	
682	5284.	0.	-5279.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5299.6	5299.6	0.00	
683	5279.	0.	-5273.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5294.1	5294.1	0.00	
684	5273.	0.	-5268.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5288.7	5288.7	0.00	
685	5268.	0.	-5262.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5283.2	5283.2	0.00	
686	5262.	0.	-5257.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5277.9	5277.9	0.00	
687	5257.	0.	-5252.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5272.5	5272.5	0.00	
688	5252.	0.	-5247.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5267.3	5267.3	0.00	
689	5247.	0.	-5241.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5262.0	5262.0	0.00	
690	5241.	0.	-5236.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5256.9	5256.9	0.00	
691	5236.	0.	-5231.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5251.7	5251.7	0.00	
692	5231.	0.	-5226.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5246.6	5246.6	0.00	
693	5226.	0.	-5221.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5241.6	5241.6	0.00	
694	5221.	0.	-5216.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5236.6	5236.6	0.00	
695	5216.	0.	-5211.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5231.6	5231.6	0.00	
696	5211.	0.	-5206.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5226.7	5226.7	0.00	
697	5206.	0.	-5201.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5221.9	5221.9	0.00	
698	5201.	0.	-5196.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5217.0	5217.0	0.00	
699	5196.	0.	-5192.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5212.3	5212.3	0.00	
700	5192.	0.	-5187.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5207.5	5207.5	0.00	
701	5187.	0.	-5182.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5202.8	5202.8	0.00	
702	5182.	0.	-5178.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5198.2	5198.2	0.00	
703	5178.	0.	-5173.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5193.6	5193.6	0.00	
704	5173.	0.	-5168.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5189.0	5189.0	0.00	
705	5168.	0.	-5164.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5184.5	5184.5	0.00	
706	5164.	0.	-5159.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5180.0	5180.0	0.00	
707	5159.	0.	-5155.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5175.6	5175.6	0.00	
708	5155.	0.	-5151.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5171.2	5171.2	0.00	
709	5151.	0.	-5146.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-5.	-2.	0.	0.	-14.	0.	0.	0.	0.	0.	0.	-5166.8	5166.8	0.00	
829	5146.	492.	-5632.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5654.4	5654.3	0.00	
830	5632.	0.	-5627.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5648.7	5648.7	0.00	

831	5627.	0.	-5621.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5643.2	5643.2	0.00
832	5621.	0.	-5616.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5637.8	5637.8	0.00
833	5616.	0.	-5611.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5632.5	5632.5	0.00
834	5611.	0.	-5606.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5627.3	5627.3	0.00
835	5606.	0.	-5601.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5622.2	5622.2	0.00
836	5601.	0.	-5596.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5617.2	5617.2	0.00
837	5596.	0.	-5591.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5612.3	5612.3	0.00
838	5591.	0.	-5586.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5607.5	5607.5	0.00
839	5586.	0.	-5582.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5602.7	5602.7	0.00
840	5582.	0.	-5577.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5598.1	5598.1	0.00
841	5577.	0.	-5573.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5593.6	5593.6	0.00
842	5573.	0.	-5568.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5589.2	5589.2	0.00
843	5568.	0.	-5564.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5584.9	5584.9	0.00
844	5564.	0.	-5560.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5580.6	5580.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	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
845	5560.	0.	-5556.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5576.5	5576.5	0.00
846	5556.	0.	-5552.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-9.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5572.4	5572.4	0.00
847	5552.	0.	-5548.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5568.5	5568.5	0.00
848	5548.	0.	-5544.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5564.6	5564.6	0.00
849	5544.	0.	-5540.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5560.8	5560.8	0.00
850	5540.	0.	-5537.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5557.1	5557.1	0.00
851	5537.	0.	-5533.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5553.5	5553.5	0.00
852	5533.	0.	-5530.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5549.9	5549.9	0.00
853	5530.	0.	-5526.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5546.5	5546.5	0.00
854	5526.	0.	-5523.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5543.1	5543.1	0.00
855	5523.	0.	-5520.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5539.8	5539.8	0.00
856	5520.	0.	-5517.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5536.6	5536.6	0.00
857	5517.	0.	-5513.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5533.5	5533.5	0.00
858	5513.	0.	-5510.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5530.4	5530.4	0.00
859	5510.	0.	-5508.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5527.5	5527.5	0.00
860	5508.	0.	-5505.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5524.6	5524.6	0.00
861	5505.	0.	-5502.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5521.7	5521.7	0.00
862	5502.	0.	-5499.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5519.0	5519.0	0.00
863	5499.	0.	-5497.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-8.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5516.3	5516.3	0.00
864	5497.	0.	-5494.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5513.7	5513.7	0.00
865	5494.	0.	-5492.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5511.2	5511.2	0.00
866	5492.	0.	-5489.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5508.7	5508.7	0.00
867	5489.	0.	-5487.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5506.3	5506.3	0.00
868	5487.	0.	-5485.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5504.0	5504.0	0.00
869	5485.	0.	-5482.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5501.8	5501.8	0.00
870	5482.	0.	-5480.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5499.6	5499.6	0.00
871	5480.	0.	-5478.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5497.5	5497.5	0.00
872	5478.	0.	-5476.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5495.4	5495.4	0.00
873	5476.	0.	-5474.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5493.4	5493.4	0.00
874	5474.	0.	-5472.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5491.5	5491.5	0.00

875	5472.	0.	-5471.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5489.7	5489.7	0.00
876	5471.	0.	-5469.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5487.9	5487.9	0.00
877	5469.	0.	-5467.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5486.1	5486.1	0.00
878	5467.	0.	-5466.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-7.	-2.	0.	0.	-11.	0.	0.	0.	0.	0.	0.	-5484.5	5484.5	0.00
1047	5466.	3785.	-9248.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9264.9	9264.9	0.00
1048	9248.	0.	-9246.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9262.5	9262.5	0.00
1049	9246.	0.	-9243.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9260.2	9260.2	0.00
1050	9243.	0.	-9241.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9257.9	9257.9	0.00
1051	9241.	0.	-9239.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9255.6	9255.6	0.00
1052	9239.	0.	-9237.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-7.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9253.4	9253.4	0.00
1053	9237.	0.	-9234.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9251.1	9251.1	0.00
1054	9234.	0.	-9232.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9248.9	9248.9	0.00
1055	9232.	0.	-9230.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9246.8	9246.8	0.00
1056	9230.	0.	-9228.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9244.7	9244.7	0.00
1057	9228.	0.	-9226.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9242.6	9242.6	0.00
1058	9226.	0.	-9224.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9240.5	9240.5	0.00
1059	9224.	0.	-9222.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9238.5	9238.5	0.00
1060	9222.	0.	-9220.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9236.4	9236.4	0.00
1061	9220.	0.	-9218.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9234.5	9234.5	0.00
1062	9218.	0.	-9216.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9232.5	9232.5	0.00
1063	9216.	0.	-9214.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9230.6	9230.6	0.00
1064	9214.	0.	-9212.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9228.7	9228.7	0.00
1065	9212.	0.	-9210.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9226.8	9226.8	0.00
1066	9210.	0.	-9208.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9225.0	9225.0	0.00
1067	9208.	0.	-9207.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9223.2	9223.2	0.00
1068	9207.	0.	-9205.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9221.4	9221.4	0.00
1069	9205.	0.	-9203.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9219.7	9219.7	0.00
1070	9203.	0.	-9201.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9217.9	9217.9	0.00
1071	9201.	0.	-9200.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9216.2	9216.2	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
1072	9200.	0.	-9198.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9214.6	9214.6	0.00
1073	9198.	0.	-9197.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9212.9	9212.9	0.00
1074	9197.	0.	-9195.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9211.3	9211.3	0.00
1075	9195.	0.	-9193.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9209.7	9209.7	0.00
1076	9193.	0.	-9192.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9208.2	9208.2	0.00
1077	9192.	0.	-9190.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9206.6	9206.6	0.00
1078	9190.	0.	-9189.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9205.1	9205.1	0.00
1079	9189.	0.	-9187.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9203.6	9203.6	0.00
1080	9187.	0.	-9186.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9202.2	9202.2	0.00
1081	9186.	0.	-9185.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9200.7	9200.7	0.00
1082	9185.	0.	-9183.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9199.3	9199.3	0.00
1083	9183.	0.	-9182.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9198.0	9198.0	0.00
1084	9182.	0.	-9180.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9196.6	9196.6	0.00
1085	9180.	0.	-9179.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9195.3	9195.3	0.00
1086	9179.	0.	-9178.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9194.0	9194.0	0.00

1087	9178.	0.	-9177.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9192.7	9192.7	0.00
1088	9177.	0.	-9175.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9191.4	9191.4	0.00
1089	9175.	0.	-9174.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9190.2	9190.2	0.00
1090	9174.	0.	-9173.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9189.0	9189.0	0.00
1091	9173.	0.	-9172.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9187.8	9187.8	0.00
1092	9172.	0.	-9171.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9186.7	9186.7	0.00
1093	9171.	0.	-9170.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9185.5	9185.5	0.00
1094	9170.	0.	-9168.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9184.4	9184.4	0.00
1095	9168.	0.	-9167.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9183.3	9183.3	0.00
1096	9167.	0.	-9166.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9182.2	9182.2	0.00
1097	9166.	0.	-9165.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9181.2	9181.2	0.00
1098	9165.	0.	-9164.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9180.2	9180.2	0.00
1099	9164.	0.	-9163.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9179.2	9179.2	0.00
1100	9163.	0.	-9162.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9178.2	9178.2	0.00
1101	9162.	0.	-9161.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9177.3	9177.3	0.00
1102	9161.	0.	-9160.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9176.3	9176.3	0.00
1103	9160.	0.	-9160.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-6.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9175.4	9175.4	0.00
1104	9160.	0.	-9159.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9174.5	9174.5	0.00
1105	9159.	0.	-9158.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9173.7	9173.7	0.00
1106	9158.	0.	-9157.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9172.8	9172.8	0.00
1107	9157.	0.	-9156.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9172.0	9172.0	0.00
1108	9156.	0.	-9155.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9171.2	9171.2	0.00
1109	9155.	0.	-9155.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9170.4	9170.4	0.00
1110	9155.	0.	-9154.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9169.7	9169.7	0.00
1111	9154.	0.	-9153.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9168.9	9168.9	0.00
1112	9153.	0.	-9153.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9168.2	9168.2	0.00
1113	9153.	0.	-9152.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9167.5	9167.5	0.00
1114	9152.	0.	-9151.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9166.8	9166.8	0.00
1115	9151.	0.	-9151.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9166.2	9166.2	0.00
1116	9151.	0.	-9150.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9165.6	9165.6	0.00
1117	9150.	0.	-9149.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9164.9	9164.9	0.00
1118	9149.	0.	-9149.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9164.4	9164.4	0.00
1119	9149.	0.	-9148.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9163.8	9163.8	0.00
1120	9148.	0.	-9148.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9163.2	9163.2	0.00
1121	9148.	0.	-9147.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9162.7	9162.7	0.00
1122	9147.	0.	-9147.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9162.2	9162.2	0.00
1123	9147.	0.	-9146.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9161.7	9161.7	0.00
1124	9146.	0.	-9146.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9161.2	9161.2	0.00
1125	9146.	0.	-9145.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9160.7	9160.7	0.00
1126	9145.	0.	-9145.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9160.3	9160.3	0.00
1127	9145.	0.	-9144.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9159.9	9159.9	0.00
1128	9144.	0.	-9144.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9159.5	9159.5	0.00
1129	9144.	0.	-9144.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9159.1	9159.1	0.00
1130	9144.	0.	-9143.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9158.7	9158.7	0.00

DISSOLVED OXYGEN LOADING FOR REACH 1: Bayou Cholpe #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	NCM BOD1	SOD ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT

1131	9143.	0.	-9143.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9158.4	9158.4	0.00
1132	9143.	0.	-9143.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9158.0	9158.0	0.00
1133	9143.	0.	-9142.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9157.7	9157.7	0.00
1134	9142.	0.	-9142.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9157.4	9157.4	0.00
1135	9142.	0.	-9142.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9157.2	9157.2	0.00
1136	9142.	0.	-9142.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9156.9	9156.9	0.00
1137	9142.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9156.7	9156.7	0.00
1138	9141.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9156.4	9156.4	0.00
1139	9141.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9156.2	9156.2	0.00
1140	9141.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9156.0	9156.0	0.00
1141	9141.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.9	9155.9	0.00
1142	9141.	0.	-9141.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.7	9155.7	0.00
1143	9141.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.6	9155.6	0.00
1144	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.4	9155.4	0.00
1145	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.3	9155.3	0.00
1146	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.2	9155.2	0.00
1147	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.2	9155.2	0.00
1148	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.1	9155.1	0.00
1149	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.1	9155.1	0.00
1150	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.0	9155.0	0.00
1151	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.0	9155.0	0.00
1152	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.0	9155.0	0.00
1153	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.1	9155.1	0.00
1154	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.1	9155.1	0.00
1155	9140.	0.	-9140.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-5.	-1.	0.	0.	-9.	0.	0.	0.	0.	0.	0.	-9155.1	9155.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	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
126	28.	0.	-599.	0.	0.	0.	0.	0.	0.	568.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-600.0	600.0	0.00
127	599.	0.	-601.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-602.5	602.5	0.00
128	601.	0.	-604.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-604.9	604.9	0.00
129	604.	0.	-606.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-607.3	607.3	0.00
130	606.	0.	-609.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-609.7	609.7	0.00
131	609.	0.	-611.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-612.1	612.1	0.00
132	611.	0.	-613.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-614.4	614.4	0.00
133	613.	0.	-616.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-616.7	616.7	0.00
134	616.	0.	-618.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-619.0	619.0	0.00
135	618.	0.	-620.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-621.3	621.3	0.00
136	620.	0.	-622.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-623.5	623.5	0.00
137	622.	0.	-625.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-625.7	625.7	0.00
138	625.	0.	-627.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-627.8	627.8	0.00
139	627.	0.	-629.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-630.0	630.0	0.00
140	629.	0.	-631.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-632.1	632.1	0.00
141	631.	0.	-633.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-634.2	634.2	0.00
142	633.	0.	-635.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-636.3	636.3	0.00
143	635.	0.	-637.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-638.3	638.3	0.00
144	637.	0.	-639.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-640.3	640.3	0.00

145	639.	0.	-641.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-642.3	642.3	0.00
146	641.	0.	-643.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-644.3	644.3	0.00
147	643.	0.	-645.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-646.3	646.3	0.00
148	645.	0.	-647.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-648.2	648.2	0.00
149	647.	0.	-649.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-650.1	650.1	0.00
150	649.	0.	-651.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-652.0	652.0	0.00
151	651.	0.	-653.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-653.9	653.9	0.00
152	653.	0.	-655.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-655.7	655.7	0.00
153	655.	0.	-656.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-657.5	657.5	0.00
154	656.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-659.3	659.3	0.00
155	658.	0.	-660.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-661.1	661.1	0.00
156	660.	0.	-662.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-662.8	662.8	0.00
157	662.	0.	-663.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-664.6	664.6	0.00
158	663.	0.	-665.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-666.4	666.4	0.00
159	665.	0.	-667.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-668.1	668.1	0.00
160	667.	0.	-669.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-669.8	669.8	0.00
161	669.	0.	-670.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-671.4	671.4	0.00
162	670.	0.	-672.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-673.0	673.0	0.00
163	672.	0.	-673.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-674.6	674.6	0.00
164	673.	0.	-675.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-676.3	676.3	0.00
165	675.	0.	-677.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-677.8	677.8	0.00
166	677.	0.	-678.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-679.4	679.4	0.00
167	678.	0.	-680.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-680.9	680.9	0.00
168	680.	0.	-681.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-682.4	682.4	0.00
169	681.	0.	-683.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-683.9	683.9	0.00
170	683.	0.	-684.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-685.4	685.4	0.00
171	684.	0.	-686.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-686.8	686.8	0.00
172	686.	0.	-687.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-688.3	688.3	0.00
173	687.	0.	-689.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-689.7	689.7	0.00
174	689.	0.	-690.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-691.1	691.1	0.00
175	690.	0.	-691.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-692.5	692.5	0.00
176	691.	0.	-693.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-693.9	693.9	0.00
177	693.	0.	-694.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-695.2	695.2	0.00
178	694.	0.	-695.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-696.6	696.6	0.00
179	695.	0.	-697.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-697.9	697.9	0.00
180	697.	0.	-698.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-699.2	699.2	0.00
181	698.	0.	-699.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-700.5	700.5	0.00
182	699.	0.	-701.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-701.8	701.8	0.00
183	701.	0.	-704.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-706.8	706.8	0.00
184	704.	0.	-707.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-710.0	710.0	0.00

DISSOLVED OXYGEN LOADING FOR REACH 2: Bayou Poydras #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	ALG PHOT	ALG OUT	MAC IN	TOT	TOT
185	707.	0.	-710.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-713.2	713.2	0.00
186	710.	0.	-714.	0.	0.	0.	2.	0.	0.	1.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-717.1	717.1	0.00
187	714.	0.	-718.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-720.5	720.5	0.00
188	718.	0.	-721.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-723.6	723.6	0.00

189	721.	0.	-724.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-726.8	726.8	0.00
190	724.	0.	-727.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-729.9	729.9	0.00
191	727.	0.	-730.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-733.0	733.0	0.00
192	730.	0.	-733.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-736.1	736.1	0.00
193	733.	0.	-736.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-739.2	739.2	0.00
194	736.	0.	-739.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-742.3	742.3	0.00
195	739.	0.	-742.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-745.3	745.3	0.00
196	742.	0.	-745.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-748.4	748.4	0.00
197	745.	0.	-749.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-751.4	751.4	0.00
198	749.	0.	-752.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-754.4	754.4	0.00
199	752.	0.	-755.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-757.5	757.5	0.00
200	755.	0.	-758.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-760.5	760.5	0.00
201	758.	0.	-761.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-763.5	763.5	0.00
202	761.	0.	-764.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-766.5	766.5	0.00
203	764.	0.	-767.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-769.5	769.5	0.00
204	767.	0.	-770.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-772.4	772.4	0.00
205	770.	0.	-773.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-775.4	775.4	0.00
206	773.	0.	-775.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-778.4	778.4	0.00
207	775.	0.	-778.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-781.3	781.3	0.00
208	778.	0.	-781.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-784.3	784.3	0.00
209	781.	0.	-784.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-787.2	787.2	0.00
210	784.	0.	-787.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-790.1	790.1	0.00
211	787.	0.	-790.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-793.1	793.1	0.00
212	790.	0.	-793.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-796.0	796.0	0.00
213	793.	0.	-796.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-798.9	798.9	0.00
214	796.	0.	-799.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-801.8	801.8	0.00
215	799.	0.	-802.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-804.7	804.7	0.00
216	802.	0.	-805.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-807.6	807.6	0.00
217	805.	0.	-808.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-810.4	810.4	0.00
218	808.	0.	-810.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-813.3	813.3	0.00
219	810.	0.	-813.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-816.2	816.2	0.00
220	813.	0.	-816.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-819.0	819.0	0.00
221	816.	0.	-819.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-821.9	821.9	0.00
222	819.	0.	-822.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-824.8	824.8	0.00
223	822.	0.	-825.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-827.6	827.6	0.00
224	825.	0.	-828.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-830.4	830.4	0.00
225	828.	0.	-830.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-833.3	833.3	0.00
226	830.	0.	-833.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-836.1	836.1	0.00
227	833.	0.	-836.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-838.9	838.9	0.00
228	836.	0.	-839.	0.	0.	0.	2.	0.	0.	0.	0.	4.	0.	-1.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-841.7	841.7	0.00

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #1

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	NONP OUT	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
272	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.6	0.6	0.00		
273	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.7	0.7	0.00		
274	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.7	0.7	0.00		
275	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.7	0.7	0.00		

276	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.7	0.7	0.00
277	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.8	0.8	0.00
278	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.8	0.8	0.00
279	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.8	0.8	0.00
280	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.8	0.8	0.00
281	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.9	0.9	0.00
282	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.9	0.9	0.00
283	0.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.9	0.9	0.00
284	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.9	0.9	0.00
285	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.0	1.0	0.00
286	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.0	1.0	0.00
287	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.0	1.0	0.00
288	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.0	1.0	0.00
289	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.1	1.1	0.00
290	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.1	1.1	0.00
291	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.1	1.1	0.00
292	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.1	1.1	0.00
293	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.2	1.2	0.00
294	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.2	1.2	0.00
295	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.2	1.2	0.00
296	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.2	1.2	0.00
297	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.3	1.3	0.00
298	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.3	1.3	0.00
299	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.3	1.3	0.00
300	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.3	1.3	0.00
301	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.3	1.3	0.00
302	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.4	1.4	0.00
303	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.4	1.4	0.00
304	1.	0.	-1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.4	1.4	0.00
305	1.	0.	-2.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
306	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
307	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
308	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.1	3.1	0.00
309	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.2	3.2	0.00
310	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
311	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.3	3.3	0.00
312	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.4	3.4	0.00
313	2.	0.	-2.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.5	3.5	0.00
314	2.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
315	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.6	3.6	0.00
316	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.7	3.7	0.00
317	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.8	3.8	0.00
318	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-3.9	3.9	0.00
319	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.0	4.0	0.00
320	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.0	4.0	0.00
321	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.1	4.1	0.00
322	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.2	4.2	0.00
323	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.3	4.3	0.00
324	3.	0.	-3.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.4	4.4	0.00
325	3.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.5	4.5	0.00

326	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.6	4.6	0.00
327	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.7	4.7	0.00
328	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.8	4.8	0.00
329	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.8	4.8	0.00
330	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	0.	0.	0.	-4.9	4.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 3: Chamberlin Canal #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
331	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.0	5.0	0.00
332	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.1	5.1	0.00
333	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.2	5.2	0.00
334	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.3	5.3	0.00
335	4.	0.	-4.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.4	5.4	0.00
336	4.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.5	5.5	0.00
337	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.6	5.6	0.00
338	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.7	5.7	0.00
339	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.8	5.8	0.00
340	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-5.9	5.9	0.00
341	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.0	6.0	0.00
342	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.1	6.1	0.00
343	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.2	6.2	0.00
344	5.	0.	-5.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.3	6.3	0.00
345	5.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.4	6.4	0.00
346	6.	0.	-6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	1.	0.	0.	-6.5	6.5	0.00

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH 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
420	4814.	0.	-4805.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4815.5	4815.5	0.00
421	4805.	0.	-4795.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4805.7	4805.7	0.00
422	4795.	0.	-4785.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4796.0	4796.0	0.00
423	4785.	0.	-4776.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4786.5	4786.5	0.00
424	4776.	0.	-4766.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4777.0	4777.0	0.00
425	4766.	0.	-4757.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4767.7	4767.7	0.00
426	4757.	0.	-4748.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4758.4	4758.4	0.00
427	4748.	0.	-4738.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4749.3	4749.3	0.00
428	4738.	0.	-4730.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4740.7	4740.7	0.00
429	4730.	0.	-4721.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4731.8	4731.8	0.00
430	4721.	0.	-4712.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4722.9	4722.9	0.00
431	4712.	0.	-4703.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4714.2	4714.2	0.00
432	4703.	0.	-4695.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4705.5	4705.5	0.00
433	4695.	0.	-4686.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4697.0	4697.0	0.00
434	4686.	0.	-4678.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4688.5	4688.5	0.00
435	4678.	0.	-4669.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-3.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4680.1	4680.1	0.00
436	4669.	0.	-4661.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4671.9	4671.9	0.00

437	4661.	0.	-4653.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4663.7	4663.7	0.00
438	4653.	0.	-4645.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4655.6	4655.6	0.00
439	4645.	0.	-4637.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4647.6	4647.6	0.00
440	4637.	0.	-4629.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4639.7	4639.7	0.00
441	4629.	0.	-4621.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4631.9	4631.9	0.00
442	4621.	0.	-4613.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4624.2	4624.2	0.00
443	4613.	0.	-4606.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4616.6	4616.6	0.00
444	4606.	0.	-4598.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4609.0	4609.0	0.00
445	4598.	0.	-4591.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4601.6	4601.6	0.00
446	4591.	0.	-4584.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4594.2	4594.2	0.00
447	4584.	0.	-4576.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4586.9	4586.9	0.00
448	4576.	0.	-4569.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4579.7	4579.7	0.00
449	4569.	0.	-4562.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4572.5	4572.5	0.00
450	4562.	0.	-4555.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4565.5	4565.5	0.00
451	4555.	0.	-4548.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4558.5	4558.5	0.00
452	4548.	0.	-4541.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4551.6	4551.6	0.00
453	4541.	0.	-4534.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4544.8	4544.8	0.00
454	4534.	0.	-4528.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4538.1	4538.1	0.00
455	4528.	0.	-4521.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4531.4	4531.4	0.00
456	4521.	0.	-4514.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4525.0	4525.0	0.00
457	4514.	0.	-4508.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4518.4	4518.4	0.00
458	4508.	0.	-4501.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4512.0	4512.0	0.00
459	4501.	0.	-4495.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4505.6	4505.6	0.00
460	4495.	0.	-4489.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4499.3	4499.3	0.00
461	4489.	0.	-4483.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4493.1	4493.1	0.00
462	4483.	0.	-4476.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4487.0	4487.0	0.00
463	4476.	0.	-4476.	0.	0.	0.	0.	0.	0.	6.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4486.6	4486.6	0.00
464	4476.	0.	-4469.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4480.2	4480.2	0.00
465	4469.	0.	-4463.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4473.9	4473.9	0.00
466	4463.	0.	-4457.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4467.7	4467.7	0.00
467	4457.	0.	-4451.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4461.6	4461.6	0.00
468	4451.	0.	-4445.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4455.5	4455.5	0.00
469	4445.	0.	-4439.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4449.5	4449.5	0.00
470	4439.	0.	-4433.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4443.6	4443.6	0.00
471	4433.	0.	-4427.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4437.8	4437.8	0.00
472	4427.	0.	-4421.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4432.0	4432.0	0.00
473	4421.	0.	-4416.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4426.3	4426.3	0.00
474	4416.	0.	-4410.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4420.7	4420.7	0.00
475	4410.	0.	-4404.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4415.1	4415.1	0.00
476	4404.	0.	-4399.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4409.6	4409.6	0.00
477	4399.	0.	-4393.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4404.2	4404.2	0.00
478	4393.	0.	-4388.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4398.8	4398.8	0.00

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	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
479	4388.	0.	-4383.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4393.5	4393.5	0.00
480	4383.	0.	-4378.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4388.2	4388.2	0.00

481	4378.	0.	-4372.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4383.0	4383.0	0.00
482	4372.	0.	-4367.	0.	0.	0.	0.	0.	0.	0.	0.	5.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4377.9	4377.9	0.00
483	4367.	0.	-4362.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4372.9	4372.9	0.00
484	4362.	0.	-4357.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4367.9	4367.9	0.00
485	4357.	0.	-4352.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4362.9	4362.9	0.00
486	4352.	0.	-4347.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4358.0	4358.0	0.00
487	4347.	0.	-4343.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4353.2	4353.2	0.00
488	4343.	0.	-4338.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4348.5	4348.4	0.00
489	4338.	0.	-4333.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4343.7	4343.7	0.00
490	4333.	0.	-4329.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4339.1	4339.1	0.00
491	4329.	0.	-4324.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4334.5	4334.5	0.00
492	4324.	0.	-4319.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4329.9	4329.9	0.00
493	4319.	0.	-4315.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4325.5	4325.5	0.00
494	4315.	0.	-4311.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4321.0	4321.0	0.00
495	4311.	0.	-4306.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4316.6	4316.6	0.00
496	4306.	0.	-4302.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4312.3	4312.3	0.00
497	4302.	0.	-4298.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4308.0	4308.0	0.00
498	4298.	0.	-4293.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4303.8	4303.8	0.00
499	4293.	0.	-4289.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4299.6	4299.6	0.00
500	4289.	0.	-4285.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4295.5	4295.5	0.00
501	4285.	0.	-4281.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4291.4	4291.4	0.00
502	4281.	0.	-4277.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4287.4	4287.4	0.00
503	4277.	0.	-4273.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4283.4	4283.4	0.00
504	4273.	0.	-4269.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4279.5	4279.5	0.00
505	4269.	0.	-4265.	0.	0.	0.	0.	0.	0.	0.	0.	6.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4275.6	4275.6	0.00
506	4265.	0.	-4261.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4271.7	4271.7	0.00
507	4261.	0.	-4258.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4268.0	4268.0	0.00
508	4258.	0.	-4254.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4264.2	4264.2	0.00
509	4254.	0.	-4250.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4260.5	4260.5	0.00
510	4250.	0.	-4246.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4256.8	4256.8	0.00
511	4246.	0.	-4243.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4253.2	4253.2	0.00
512	4243.	0.	-4239.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4249.6	4249.6	0.00
513	4239.	0.	-4236.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4246.1	4246.1	0.00
514	4236.	0.	-4232.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4242.6	4242.6	0.00
515	4232.	0.	-4229.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4239.2	4239.2	0.00
516	4229.	0.	-4225.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4235.8	4235.8	0.00
517	4225.	0.	-4222.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4232.4	4232.4	0.00
518	4222.	0.	-4219.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4229.1	4229.1	0.00
519	4219.	0.	-4216.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4225.8	4225.8	0.00
520	4216.	0.	-4212.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4222.5	4222.5	0.00
521	4212.	0.	-4209.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4219.3	4219.3	0.00
522	4209.	0.	-4206.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4216.1	4216.1	0.00
523	4206.	0.	-4203.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4213.0	4213.0	0.00
524	4203.	0.	-4200.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4209.9	4209.9	0.00
525	4200.	0.	-4197.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4206.9	4206.9	0.00
526	4197.	0.	-4194.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4203.8	4203.8	0.00
527	4194.	0.	-4191.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4200.8	4200.8	0.00
528	4191.	0.	-4188.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4197.9	4197.9	0.00
529	4188.	0.	-4185.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4195.0	4195.0	0.00
530	4185.	0.	-4182.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4192.1	4192.1	0.00

531	4182.	0.	-4179.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4189.2	4189.2	0.00
532	4179.	0.	-4176.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4186.4	4186.4	0.00
533	4176.	0.	-4173.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4183.7	4183.7	0.00
534	4173.	0.	-4171.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4180.9	4180.9	0.00
535	4171.	0.	-4168.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4178.2	4178.2	0.00
536	4168.	0.	-4165.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4175.5	4175.5	0.00
537	4165.	0.	-4163.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4172.9	4172.9	0.00

DISSOLVED OXYGEN LOADING FOR REACH 4: Intracoastal Waterwa

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
538	4163.	0.	-4160.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4170.2	4170.2	0.00
539	4160.	0.	-4158.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4167.7	4167.7	0.00
540	4158.	0.	-4155.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4165.1	4165.1	0.00
541	4155.	0.	-4152.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4162.6	4162.6	0.00
542	4152.	0.	-4150.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4160.1	4160.1	0.00
543	4150.	0.	-4147.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4157.6	4157.6	0.00
544	4147.	0.	-4145.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4155.2	4155.2	0.00
545	4145.	0.	-4143.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4152.8	4152.8	0.00
546	4143.	0.	-4140.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4150.4	4150.4	0.00
547	4140.	0.	-4138.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4148.0	4148.0	0.00
548	4138.	0.	-4136.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4145.7	4145.7	0.00
549	4136.	0.	-4133.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4143.4	4143.4	0.00
550	4133.	0.	-4139.	0.	0.	0.	0.	0.	0.	8.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4149.5	4149.5	0.00
551	4139.	0.	-4136.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4146.8	4146.8	0.00
552	4136.	0.	-4133.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4144.1	4144.1	0.00
553	4133.	0.	-4131.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-2.	-1.	0.	0.	-7.	0.	0.	0.	0.	0.	0.	-4141.4	4141.4	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH OUT	REAE DECA	BOD1 DECA	NH3-N DECA	ORG-N BKGD	BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT
710	333.	0.	-350.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-353.5	353.5	0.00
711	350.	0.	-367.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-370.2	370.2	0.00
712	367.	0.	-383.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-386.3	386.3	0.00
713	383.	0.	-398.	0.	0.	0.	0.	0.	0.	0.	0.	4.	-1.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-401.6	401.6	0.00
714	398.	0.	-413.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-3.	0.	0.	0.	15.	0.	0.	-416.2	416.2	0.00
715	413.	0.	-427.	0.	0.	0.	0.	0.	0.	0.	0.	3.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-430.1	430.1	0.00
716	427.	0.	-440.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-443.3	443.3	0.00
717	440.	0.	-453.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-456.0	456.0	0.00
718	453.	0.	-465.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-468.0	468.0	0.00
719	465.	0.	-476.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-479.4	479.4	0.00
720	476.	0.	-487.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-490.3	490.3	0.00
721	487.	0.	-497.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	-3.	0.	0.	0.	14.	0.	0.	-500.6	500.6	0.00
722	497.	0.	-507.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-510.6	510.6	0.00
723	507.	0.	-516.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-520.3	520.3	0.00
724	516.	0.	-525.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-529.4	529.4	0.00

725	525.	0.	-533.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-538.1	538.1	0.00
726	533.	0.	-541.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-546.3	546.3	0.00
727	541.	0.	-549.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-554.1	554.1	0.00
728	549.	0.	-556.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-561.4	561.4	0.00
729	556.	0.	-562.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-1.	0.	0.	0.	-3.	0.	0.	0.	13.	0.	0.	-568.3	568.3	0.00
730	562.	0.	-569.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-574.8	574.8	0.00
731	569.	0.	-575.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-581.0	581.0	0.00
732	575.	0.	-580.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-586.7	586.7	0.00
733	580.	0.	-585.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-592.1	592.1	0.00
734	585.	0.	-590.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-597.2	597.2	0.00
735	590.	0.	-595.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-601.9	601.9	0.00
736	595.	0.	-599.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-606.3	606.3	0.00
737	599.	0.	-603.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	0.	0.	0.	-3.	0.	0.	0.	12.	0.	0.	-610.4	610.4	0.00
738	603.	0.	-606.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	0.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-614.2	614.2	0.00
739	606.	0.	-638.	0.	0.	0.	0.	0.	0.	28.	0.	-3.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-646.1	646.1	0.00
740	638.	0.	-640.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-648.9	648.9	0.00
741	640.	0.	-643.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-651.4	651.4	0.00
742	643.	0.	-645.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-653.8	653.8	0.00
743	645.	0.	-647.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-655.9	655.9	0.00
744	647.	0.	-649.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-657.8	657.8	0.00
745	649.	0.	-651.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-1.	-1.	0.	0.	-3.	0.	0.	0.	11.	0.	0.	-659.6	659.6	0.00
746	651.	0.	-652.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-661.1	661.1	0.00
747	652.	0.	-654.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-662.5	662.5	0.00
748	654.	0.	-655.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-663.7	663.7	0.00
749	655.	0.	-656.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-664.8	664.8	0.00
750	656.	0.	-657.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-665.6	665.6	0.00
751	657.	0.	-657.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-666.4	666.4	0.00
752	657.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-667.0	667.0	0.00
753	658.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	10.	0.	0.	-667.4	667.4	0.00
754	658.	0.	-659.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.7	667.7	0.00
755	659.	0.	-659.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.8	667.8	0.00
756	659.	0.	-659.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.9	667.9	0.00
757	659.	0.	-659.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.8	667.8	0.00
758	659.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.6	667.5	0.00
759	658.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-667.2	667.2	0.00
760	658.	0.	-658.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-666.8	666.8	0.00
761	658.	0.	-657.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	9.	0.	0.	-666.2	666.2	0.00
762	657.	0.	-656.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-665.5	665.5	0.00
763	656.	0.	-656.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-664.7	664.7	0.00
764	656.	0.	-655.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-663.9	663.8	0.00
765	655.	0.	-654.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-662.9	662.9	0.00
766	654.	0.	-653.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-661.8	661.8	0.00
767	653.	0.	-652.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-660.6	660.6	0.00
768	652.	0.	-651.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-659.4	659.4	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH DECA	REAE DECA	BOD1 DECA	NH3-N BKGD	ORG-N BOD1	NCM ALG	SOD NCM	SOD PHOT	SOD RESP	SOD PHOT	ALG OUT	ALG IN	MAC	TOT	TOT

769	651.	0.	-649.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	8.	0.	0.	-658.0	658.0	0.00
770	649.	0.	-648.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-656.6	656.6	0.00
771	648.	0.	-646.	0.	0.	0.	0.	0.	0.	0.	0.	-4.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-655.1	655.1	0.00
772	646.	0.	-645.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-653.5	653.5	0.00
773	645.	0.	-643.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-651.9	651.9	0.00
774	643.	0.	-642.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-650.2	650.2	0.00
775	642.	0.	-640.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-648.4	648.4	0.00
776	640.	0.	-638.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	7.	0.	0.	-646.5	646.5	0.00
777	638.	0.	-636.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-644.6	644.6	0.00
778	636.	0.	-634.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-642.6	642.6	0.00
779	634.	0.	-634.	0.	0.	0.	0.	0.	0.	1.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-641.8	641.8	0.00
780	634.	0.	-631.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-639.6	639.6	0.00
781	631.	0.	-629.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-637.5	637.5	0.00
782	629.	0.	-628.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-635.7	635.7	0.00
783	628.	0.	-625.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	-1.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-633.4	633.4	0.00
784	625.	0.	-623.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	0.	0.	0.	-3.	0.	0.	0.	6.	0.	0.	-631.0	631.0	0.00
785	623.	0.	-621.	0.	0.	0.	0.	0.	0.	0.	0.	-3.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-628.7	628.7	0.00
786	621.	0.	-619.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-626.3	626.2	0.00
787	619.	0.	-616.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-623.7	623.7	0.00
788	616.	0.	-614.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-621.2	621.2	0.00
789	614.	0.	-611.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-618.6	618.6	0.00
790	611.	0.	-609.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-616.0	616.0	0.00
791	609.	0.	-606.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-613.3	613.3	0.00
792	606.	0.	-603.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	5.	0.	0.	-610.6	610.6	0.00
793	603.	0.	-601.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-607.8	607.8	0.00
794	601.	0.	-598.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-605.1	605.0	0.00
795	598.	0.	-595.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-602.2	602.2	0.00
796	595.	0.	-593.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-599.4	599.4	0.00
797	593.	0.	-590.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-596.5	596.5	0.00
798	590.	0.	-587.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-593.6	593.6	0.00
799	587.	0.	-584.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-590.7	590.7	0.00
800	584.	0.	-581.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	4.	0.	0.	-587.7	587.7	0.00
801	581.	0.	-578.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-584.7	584.7	0.00
802	578.	0.	-575.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-581.6	581.6	0.00
803	575.	0.	-572.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-578.6	578.6	0.00
804	572.	0.	-569.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-575.5	575.5	0.00
805	569.	0.	-566.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-572.3	572.3	0.00
806	566.	0.	-563.	0.	0.	0.	0.	0.	0.	0.	0.	-1.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-569.2	569.2	0.00
807	563.	0.	-560.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-566.0	566.0	0.00
808	560.	0.	-557.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	3.	0.	0.	-562.8	562.8	0.00
809	557.	0.	-554.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-559.6	559.6	0.00
810	554.	0.	-551.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-556.4	556.4	0.00
811	551.	0.	-548.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-553.2	553.2	0.00
812	548.	0.	-545.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-550.0	550.0	0.00
813	545.	0.	-541.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-546.8	546.8	0.00
814	541.	0.	-538.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-543.6	543.6	0.00
815	538.	0.	-535.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-540.4	540.4	0.00
816	535.	0.	-532.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	2.	0.	0.	-537.2	537.2	0.00
817	532.	0.	-529.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-533.9	533.9	0.00
818	529.	0.	-525.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-530.6	530.6	0.00

819	525.	0.	-522.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-527.4	527.4	0.00
820	522.	0.	-519.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-524.1	524.1	0.00
821	519.	0.	-515.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-520.7	520.7	0.00
822	515.	0.	-512.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-517.4	517.4	0.00
823	512.	0.	-509.	0.	0.	0.	0.	0.	0.	0.	0.	1.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-514.1	514.1	0.00
824	509.	0.	-505.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-2.	0.	0.	0.	-3.	0.	0.	0.	1.	0.	0.	-510.7	510.7	0.00
825	505.	0.	-502.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-2.	0.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-507.3	507.3	0.00
826	502.	0.	-499.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-2.	0.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-504.0	504.0	0.00
827	499.	0.	-495.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-2.	0.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-500.6	500.6	0.00

DISSOLVED OXYGEN LOADING FOR REACH 5: Bayou Plaquemine

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	WSLD IN	WITH 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
828	495.	0.	-492.	0.	0.	0.	0.	0.	0.	0.	0.	2.	-2.	0.	0.	0.	-3.	0.	0.	0.	0.	0.	0.	-497.2	497.2	0.00

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

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	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
879	1702.	0.	-1701.	0.	0.	0.	0.	0.	0.	0.	0.	21.	-29.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1747.2	1747.2	0.00
880	1701.	0.	-1701.	0.	0.	0.	0.	0.	0.	0.	0.	21.	-29.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1746.2	1746.2	0.00
881	1701.	0.	-1700.	0.	0.	0.	0.	0.	0.	0.	0.	21.	-28.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1745.8	1745.8	0.00
882	1700.	0.	-1701.	0.	0.	0.	0.	0.	0.	0.	0.	21.	-28.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1745.7	1745.7	0.00
883	1701.	0.	-1702.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-28.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1746.1	1746.1	0.00
884	1702.	0.	-1703.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-27.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1746.9	1746.9	0.00
885	1703.	0.	-1704.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-27.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1748.0	1748.0	0.00
886	1704.	0.	-1706.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-26.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1749.6	1749.6	0.00
887	1706.	0.	-1708.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-26.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1751.4	1751.4	0.00
888	1708.	0.	-1711.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-26.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1753.7	1753.7	0.00
889	1711.	0.	-1714.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-25.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1756.2	1756.2	0.00
890	1714.	0.	-1717.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-25.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1759.1	1759.1	0.00
891	1717.	0.	-1721.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-25.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1762.3	1762.3	0.00
892	1721.	0.	-1724.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-24.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1765.8	1765.8	0.00
893	1724.	0.	-1728.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-24.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1769.6	1769.6	0.00
894	1728.	0.	-1733.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-24.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1773.6	1773.6	0.00
895	1733.	0.	-1737.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-23.	-1.	0.	0.	-17.	0.	0.	0.	25.	0.	0.	-1778.0	1778.0	0.00
896	1737.	0.	-1742.	0.	0.	0.	0.	0.	0.	0.	0.	20.	-23.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1782.5	1782.5	0.00
897	1742.	0.	-1748.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-23.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1787.4	1787.4	0.00
898	1748.	0.	-1753.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-22.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1792.4	1792.4	0.00
899	1753.	0.	-1758.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-22.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1797.7	1797.7	0.00
900	1758.	0.	-1764.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-22.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1803.2	1803.2	0.00
901	1764.	0.	-1770.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-22.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1808.9	1808.9	0.00
902	1770.	0.	-1776.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-21.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1814.8	1814.8	0.00
903	1776.	0.	-1783.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-21.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1820.9	1820.9	0.00
904	1783.	0.	-1789.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-21.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1827.2	1827.2	0.00
905	1789.	0.	-1796.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-20.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1833.7	1833.7	0.00
906	1796.	0.	-1803.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-20.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-1840.3	1840.3	0.00

907	1803.	0.	-2272.	0.	0.	0.	0.	0.	0.	460.	0.	20.	-20.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2308.9	2308.9	0.00
908	2272.	0.	-2281.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-19.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2317.6	2317.6	0.00
909	2281.	0.	-2290.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-19.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2326.4	2326.4	0.00
910	2290.	0.	-2299.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-19.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2335.3	2335.3	0.00
911	2299.	0.	-2308.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-19.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2344.2	2344.2	0.00
912	2308.	0.	-2317.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-19.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2353.2	2353.2	0.00
913	2317.	0.	-2327.	0.	0.	0.	0.	0.	0.	0.	0.	19.	-18.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2362.3	2362.3	0.00
914	2327.	0.	-2336.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-18.	-1.	0.	0.	-17.	0.	0.	0.	26.	0.	0.	-2371.4	2371.4	0.00
915	2336.	0.	-2345.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-18.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2380.6	2380.6	0.00
916	2345.	0.	-2355.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-18.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2389.8	2389.8	0.00
917	2355.	0.	-2364.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-18.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2399.1	2399.1	0.00
918	2364.	0.	-2374.	0.	0.	0.	0.	0.	0.	0.	0.	18.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2408.4	2408.4	0.00
919	2374.	0.	-2383.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2417.8	2417.8	0.00
920	2383.	0.	-2393.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2427.2	2427.2	0.00
921	2393.	0.	-2403.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2436.7	2436.7	0.00
922	2403.	0.	-2412.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2446.2	2446.2	0.00
923	2412.	0.	-2422.	0.	0.	0.	0.	0.	0.	0.	0.	17.	-17.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2455.7	2455.7	0.00
924	2422.	0.	-2432.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-16.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2465.2	2465.2	0.00
925	2432.	0.	-2441.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-16.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2474.8	2474.8	0.00
926	2441.	0.	-2451.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-16.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2484.4	2484.4	0.00
927	2451.	0.	-2461.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-16.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2494.0	2494.0	0.00
928	2461.	0.	-2471.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-16.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2503.7	2503.7	0.00
929	2471.	0.	-2481.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-15.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2513.3	2513.3	0.00
930	2481.	0.	-2490.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-15.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2523.0	2523.0	0.00
931	2490.	0.	-2500.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-15.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2532.7	2532.7	0.00
932	2500.	0.	-2510.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-15.	-1.	0.	0.	-17.	0.	0.	0.	27.	0.	0.	-2542.4	2542.4	0.00
933	2510.	0.	-2520.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-15.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2552.1	2552.1	0.00
934	2520.	0.	-2530.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-15.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2561.8	2561.8	0.00
935	2530.	0.	-2540.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-15.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2571.6	2571.6	0.00
936	2540.	0.	-2550.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2581.3	2581.3	0.00
937	2550.	0.	-2560.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2591.1	2591.1	0.00

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

IOR	UPMN ADV	UPTR ADV	LOWR ADV	UPMN DISP	UPTR DISP	LOWR DISP	INCR IN	INCR OUT	NONP IN	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
938	2560.	0.	-2569.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2600.8	2600.8	0.00
939	2569.	0.	-2579.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2610.5	2610.5	0.00
940	2579.	0.	-2589.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2620.3	2620.3	0.00
941	2589.	0.	-2599.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-14.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2630.0	2630.0	0.00
942	2599.	0.	-2609.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2639.7	2639.7	0.00
943	2609.	0.	-2619.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2649.5	2649.5	0.00
944	2619.	0.	-2629.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2659.2	2659.2	0.00
945	2629.	0.	-2639.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2668.9	2668.9	0.00
946	2639.	0.	-2648.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2678.6	2678.6	0.00
947	2648.	0.	-2658.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2688.3	2688.3	0.00
948	2658.	0.	-2668.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-13.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2697.9	2697.9	0.00
949	2668.	0.	-2678.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-12.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2707.6	2707.6	0.00
950	2678.	0.	-2688.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-12.	-1.	0.	0.	-17.	0.	0.	0.	28.	0.	0.	-2717.2	2717.2	0.00

951	2688.	0.	-2697.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2726.9	2726.9	0.00
952	2697.	0.	-2707.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2736.5	2736.5	0.00
953	2707.	0.	-2717.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2746.1	2746.1	0.00
954	2717.	0.	-2727.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2755.6	2755.6	0.00
955	2727.	0.	-2736.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2765.2	2765.2	0.00
956	2736.	0.	-2746.	0.	0.	0.	0.	0.	0.	0.	0.	10.	-12.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2774.7	2774.7	0.00
957	2746.	0.	-2756.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2784.2	2784.2	0.00
958	2756.	0.	-2765.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2793.7	2793.7	0.00
959	2765.	0.	-2775.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2803.2	2803.2	0.00
960	2775.	0.	-2784.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2812.6	2812.6	0.00
961	2784.	0.	-2794.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2822.1	2822.0	0.00
962	2794.	0.	-2803.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-11.	-1.	0.	0.	-17.	0.	0.	0.	29.	0.	0.	-2831.4	2831.4	0.00
1007	2803.	1007.	-3821.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	24.	0.	0.	-3842.4	3842.4	0.00
1008	3821.	0.	-3831.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	23.	0.	0.	-3852.4	3852.4	0.00
1009	3831.	0.	-3840.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	22.	0.	0.	-3861.7	3861.7	0.00
1010	3840.	0.	-3849.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	22.	0.	0.	-3870.4	3870.4	0.00
1011	3849.	0.	-3857.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	21.	0.	0.	-3878.4	3878.4	0.00
1012	3857.	0.	-3865.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	21.	0.	0.	-3885.7	3885.7	0.00
1013	3865.	0.	-3871.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	20.	0.	0.	-3892.5	3892.5	0.00
1014	3871.	0.	-3878.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-3898.6	3898.6	0.00
1015	3878.	0.	-3883.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	19.	0.	0.	-3904.1	3904.1	0.00
1016	3883.	0.	-3888.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-3909.0	3909.0	0.00
1017	3888.	0.	-3892.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	18.	0.	0.	-3913.2	3913.2	0.00
1018	3892.	0.	-3896.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-9.	-1.	0.	0.	-12.	0.	0.	0.	17.	0.	0.	-3916.9	3916.9	0.00
1019	3896.	0.	-3899.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-9.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-3920.0	3920.0	0.00
1020	3899.	0.	-3902.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	16.	0.	0.	-3922.5	3922.5	0.00
1021	3902.	0.	-3904.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3924.4	3924.4	0.00
1022	3904.	0.	-3905.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-3925.8	3925.8	0.00
1023	3905.	0.	-3906.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-3926.6	3926.6	0.00
1024	3906.	0.	-3906.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3926.8	3926.8	0.00
1025	3906.	0.	-3906.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-3926.5	3926.5	0.00
1026	3906.	0.	-3905.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-3925.7	3925.7	0.00
1027	3905.	0.	-3904.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-3924.3	3924.3	0.00
1028	3904.	0.	-3902.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-3922.4	3922.4	0.00
1029	3902.	0.	-3900.	0.	0.	0.	0.	0.	0.	0.	0.	7.	-8.	-1.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-3919.9	3919.9	0.00
1030	3900.	0.	-3897.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-3917.0	3917.0	0.00
1031	3897.	0.	-3893.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	9.	0.	0.	-3913.5	3913.5	0.00
1032	3893.	0.	-3890.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-3909.5	3909.5	0.00
1033	3890.	0.	-3885.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-3905.1	3905.1	0.00
1034	3885.	0.	-3880.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-3900.1	3900.1	0.00
1035	3880.	0.	-3875.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-3894.7	3894.7	0.00
1036	3875.	0.	-3869.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	6.	0.	0.	-3888.7	3888.7	0.00
1037	3869.	0.	-3863.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-3882.3	3882.3	0.00
1038	3863.	0.	-3856.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-8.	-1.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-3875.4	3875.4	0.00
1039	3856.	0.	-3848.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-1.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-3868.1	3868.1	0.00
1040	3848.	0.	-3841.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-1.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-3860.3	3860.3	0.00

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

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT

	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
1041	3841.	0.	-3832.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-1.	0.	0.	-12.	0.	0.	0.	3.	0.	0.	-3852.0	3852.0	0.00
1042	3832.	0.	-3824.	0.	0.	0.	0.	0.	0.	0.	0.	8.	-7.	-1.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-3843.3	3843.3	0.00
1043	3824.	0.	-3815.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-7.	-1.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-3834.2	3834.2	0.00
1044	3815.	0.	-3805.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-7.	-1.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-3824.6	3824.6	0.00
1045	3805.	0.	-3795.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-7.	-1.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-3814.6	3814.6	0.00
1046	3795.	0.	-3785.	0.	0.	0.	0.	0.	0.	0.	0.	9.	-7.	-1.	0.	0.	-12.	0.	0.	0.	0.	0.	0.	-3804.1	3804.1	0.00

DISSOLVED OXYGEN LOADING FOR REACH 7: Lower Flat River

IOR	UPMN	UPTR	LOWR	UPMN	UPTR	LOWR	INCR	INCR	NONP	WSLD	WITH	REAE	BOD1	NH3-N	ORG-N	NCM	SOD	SOD	SOD	SOD	ALG	ALG	MAC	TOT	TOT
	ADV	ADV	ADV	DISP	DISP	DISP	IN	OUT	IN	IN	OUT	IN	DECA	DECA	DECA	DECA	BKGD	BOD1	ALG	NCM	PHOT	RESP	PHOT	OUT	IN
963	936.	0.	-927.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-12.	0.	0.	0.	-12.	0.	0.	0.	0.	0.	0.	-950.5	950.5	0.00
964	927.	0.	-918.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-11.	0.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-941.8	941.8	0.00
965	918.	0.	-910.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-11.	0.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-933.9	933.9	0.00
966	910.	0.	-903.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-11.	0.	0.	0.	-12.	0.	0.	0.	1.	0.	0.	-926.8	926.8	0.00
967	903.	0.	-897.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-11.	0.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-920.4	920.4	0.00
968	897.	0.	-892.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-11.	0.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-914.7	914.7	0.00
969	892.	0.	-887.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-11.	0.	0.	0.	-12.	0.	0.	0.	2.	0.	0.	-909.7	909.7	0.00
970	887.	0.	-883.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	3.	0.	0.	-905.4	905.4	0.00
971	883.	0.	-879.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	3.	0.	0.	-901.8	901.8	0.00
972	879.	0.	-876.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	3.	0.	0.	-898.7	898.7	0.00
973	876.	0.	-874.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-896.2	896.2	0.00
974	874.	0.	-872.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	4.	0.	0.	-894.3	894.3	0.00
975	872.	0.	-871.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-892.9	892.9	0.00
976	871.	0.	-870.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-10.	0.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-892.1	892.1	0.00
977	870.	0.	-870.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	5.	0.	0.	-891.7	891.7	0.00
978	870.	0.	-870.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	6.	0.	0.	-891.8	891.8	0.00
979	870.	0.	-871.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	6.	0.	0.	-892.4	892.4	0.00
980	871.	0.	-872.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	6.	0.	0.	-893.4	893.4	0.00
981	872.	0.	-874.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-894.8	894.8	0.00
982	874.	0.	-876.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-896.6	896.6	0.00
983	876.	0.	-878.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	7.	0.	0.	-898.8	898.8	0.00
984	878.	0.	-881.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-9.	0.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-901.4	901.4	0.00
985	881.	0.	-884.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-8.	0.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-904.3	904.3	0.00
986	884.	0.	-887.	0.	0.	0.	0.	0.	0.	0.	0.	16.	-8.	0.	0.	0.	-12.	0.	0.	0.	8.	0.	0.	-907.6	907.6	0.00
987	887.	0.	-891.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	9.	0.	0.	-911.2	911.2	0.00
988	891.	0.	-895.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	9.	0.	0.	-915.1	915.1	0.00
989	895.	0.	-899.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	9.	0.	0.	-919.3	919.3	0.00
990	899.	0.	-904.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-923.8	923.8	0.00
991	904.	0.	-908.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-928.5	928.5	0.00
992	908.	0.	-914.	0.	0.	0.	0.	0.	0.	0.	0.	15.	-8.	0.	0.	0.	-12.	0.	0.	0.	10.	0.	0.	-933.5	933.5	0.00
993	914.	0.	-919.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-8.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-938.8	938.8	0.00
994	919.	0.	-925.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-7.	0.	0.	0.	-12.	0.	0.	0.	11.	0.	0.	-944.3	944.3	0.00
995	925.	0.	-930.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-7.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-950.0	950.0	0.00
996	930.	0.	-936.	0.	0.	0.	0.	0.	0.	0.	0.	14.	-7.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-956.0	956.0	0.00
997	936.	0.	-943.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-7.	0.	0.	0.	-12.	0.	0.	0.	12.	0.	0.	-962.1	962.1	0.00
998	943.	0.	-949.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-7.	0.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-968.5	968.5	0.00

999	949.	0.	-956.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-7.	0.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-975.0	975.0	0.00
1000	956.	0.	-963.	0.	0.	0.	0.	0.	0.	0.	0.	13.	-7.	0.	0.	0.	-12.	0.	0.	0.	13.	0.	0.	-981.7	981.7	0.00
1001	963.	0.	-970.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-7.	0.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-988.6	988.6	0.00
1002	970.	0.	-977.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-7.	0.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-995.7	995.7	0.00
1003	977.	0.	-984.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-7.	0.	0.	0.	-12.	0.	0.	0.	14.	0.	0.	-1002.9	1002.9	0.00
1004	984.	0.	-992.	0.	0.	0.	0.	0.	0.	0.	0.	12.	-6.	0.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-1010.3	1010.3	0.00
1005	992.	0.	-999.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	0.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-1017.8	1017.8	0.00
1006	999.	0.	-1007.	0.	0.	0.	0.	0.	0.	0.	0.	11.	-6.	0.	0.	0.	-12.	0.	0.	0.	15.	0.	0.	-1025.5	1025.5	0.00

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

INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	14.371	7855	3484.2	0	499.9	35.4	1769.4	0	0	0
INCREMENTAL INFLOW	0.78	337	513.5	0	65.1	0	5.2	0	0	0
INCREMENTAL OUTFLOW	0	0	0	0	0	0	0	0	0	0
WASTELOADS	4.389	1938	1387.4	0	304.6	242.1	305.4	0	0	0
WITHDRAWLS	0	0	0	0	0	0	0	0	0	0
FLOW THRU LOWER BNDRY	-19.54	-9140.2	-1414.1	0	-966.4	-59.4	-2097.8	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	1788	0	266.2					0
NATURAL REAERATION		7676.7								
DAM REAERATION		0								
BACKGROUND SOD		-8626.5								
BOD#1 DECAY		-5759	-5759							
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			-169.4	169.4				
ORG-N SETTLING					0	0				
NH3 DECAY		-1680.5				-388.1	388.1			

BACKGROUND NH3 SOURCE						0				
OTHER DENITRIFICATION							0			
PHOSPHORUS SOURCE								0		
ALGAE PHOTOSYNTHESIS		7397.1				0	-369.9	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	19.54	25203.8	7173.1	0	1135.8	447	2468.2	0	0	0
TOTAL OUTPUTS	-19.54	-25206.2	-7173.2	0	-1135.8	-447.5	-2467.6	0	0	0
NET CONVERGENCE ERROR	0	-2.4	0	0	0	-0.5	0.5	0	0	0

.....EXECUTION COMPLETED

APPENDIX G:
PLOTS OF PREDICTED WATER QUALITY FOR TMDL

Figure G-1. Temperature TMDL results for subsegment 120102 1
Figure G-2. Ammonia TMDL results for subsegment 120102..... 1
Figure G-3. BOD TMDL results for subsegment 120102 2
Figure G-4. DO TMDL results for subsegment 120102..... 2
Figure G-5. Temperature TMDL results for subsegment 120103 3
Figure G-6. Ammonia TMDL results for subsegment 120103..... 3
Figure G-7. BOD TMDL results for subsegment 120103 4
Figure G-8. DO TMDL results for subsegment 120103..... 4
Figure G-9. Temperature TMDL results for subsegment 120105 5
Figure G-10. Ammonia TMDL results for subsegment 120105..... 5
Figure G-11. BOD TMDL results for subsegment 120105 6
Figure G-12. DO TMDL results for subsegment 120105..... 6
Figure G-13. Temperature TMDL results for subsegment 120106 7
Figure G-14. Ammonia TMDL results for subsegment 120106..... 7
Figure G-15. BOD TMDL results for subsegment 120106 8
Figure G-16. DO TMDL results for subsegment 120106..... 8
Figure G-17. Temperature TMDL results for subsegment 120107 9
Figure G-18. Ammonia TMDL results for subsegment 120107..... 9
Figure G-19. BOD TMDL results for subsegment 120107 10
Figure G-20. DO TMDL results for subsegment 120107..... 10
Figure G-21. Temperature TMDL results for subsegment 120109 11
Figure G-22. Ammonia TMDL results for subsegment 120109..... 11
Figure 23. BOD TMDL results for subsegment 120109 12
Figure G-24. DO TMDL results for subsegment 120109..... 12
Figure G-25. Temperature TMDL results for subsegment 120110 13
Figure G-26. Ammonia TMDL results for subsegment 120110..... 13
Figure G-27. BOD TMDL results for subsegment 120110 14
Figure G-28. DO TMDL results for subsegment 120110..... 14

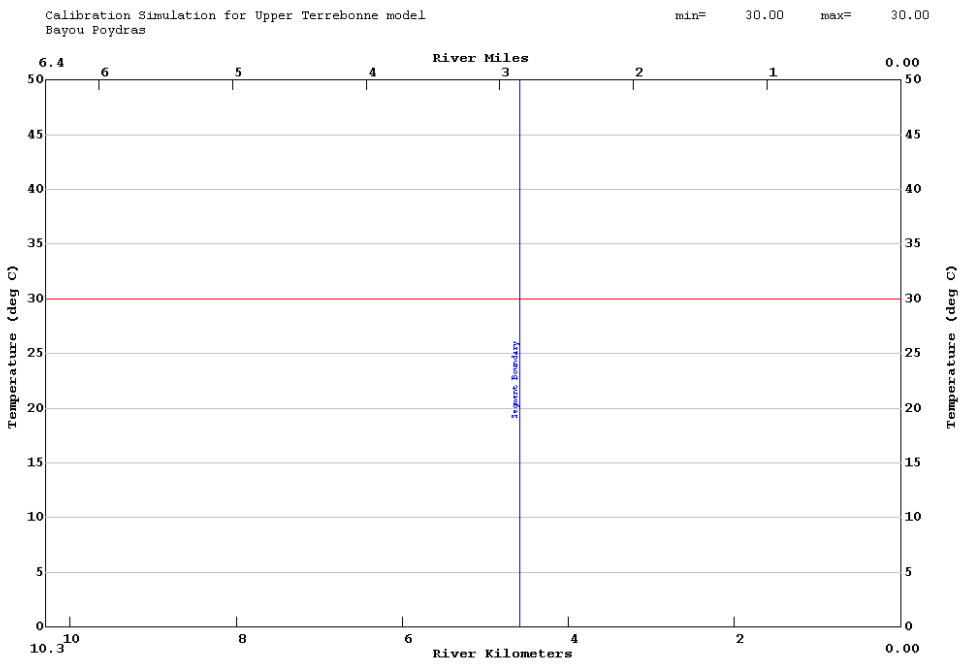

Figure G-1. Temperature TMDL results for subsegment 120102

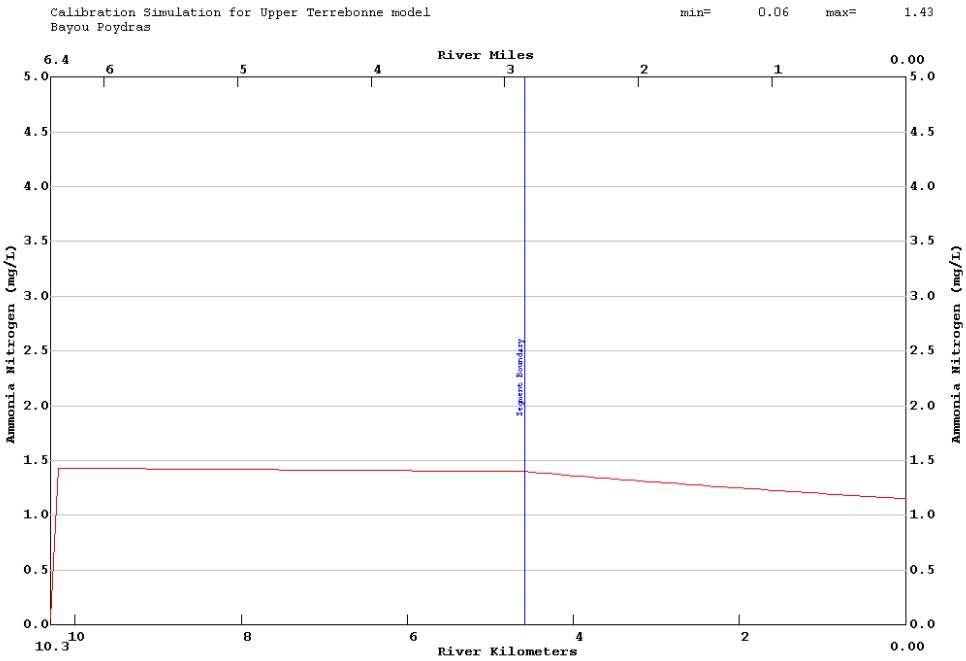

Figure G-2. Ammonia TMDL results for subsegment 120102

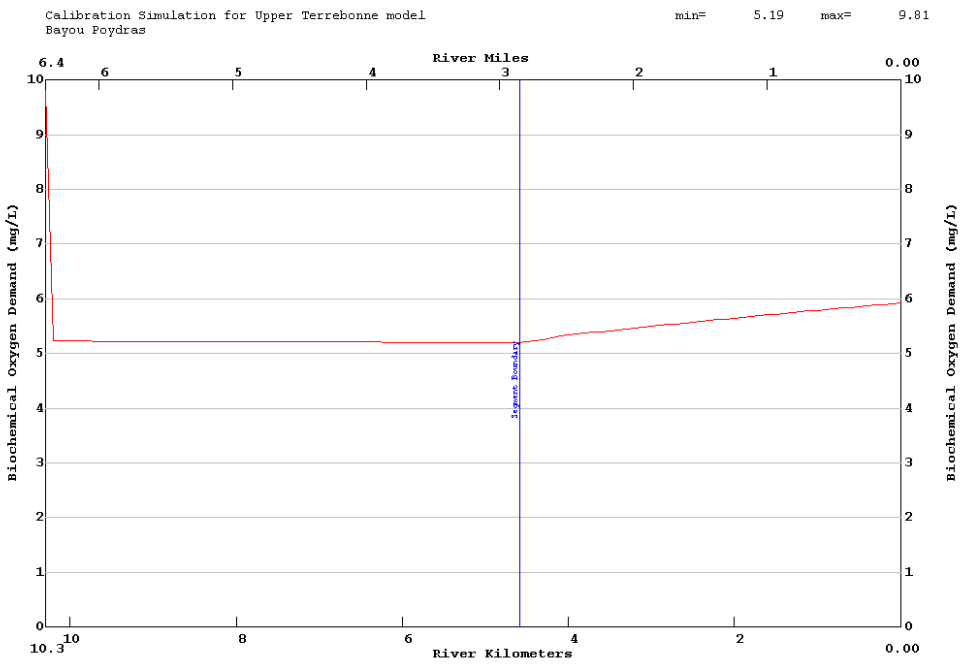

Figure G-3. BOD TMDL results for subsegment 120102

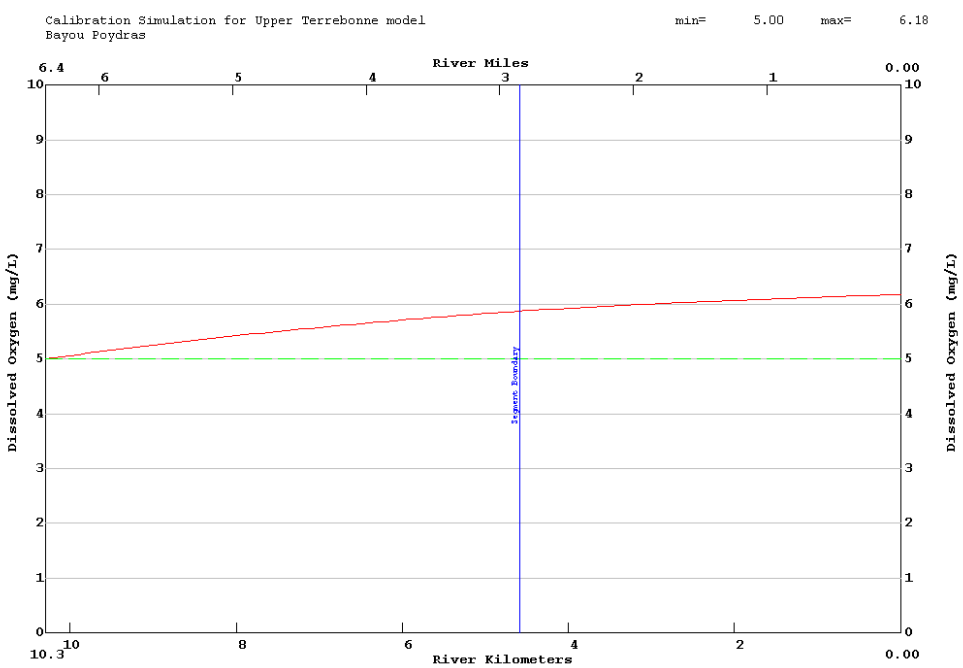

Figure G-4. DO TMDL results for subsegment 120102

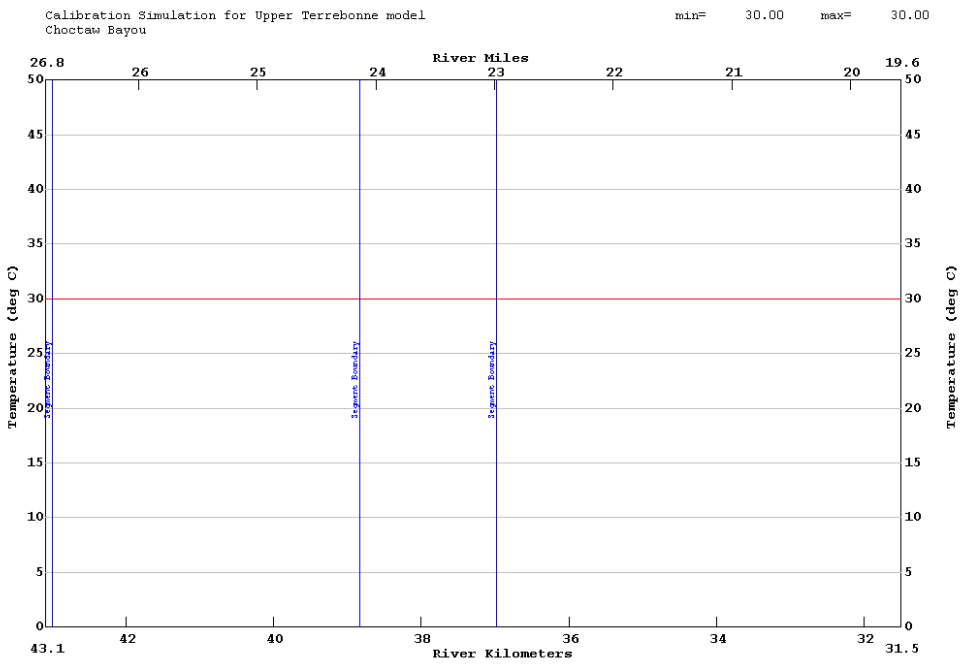

Figure G-5. Temperature TMDL results for subsegment 120103

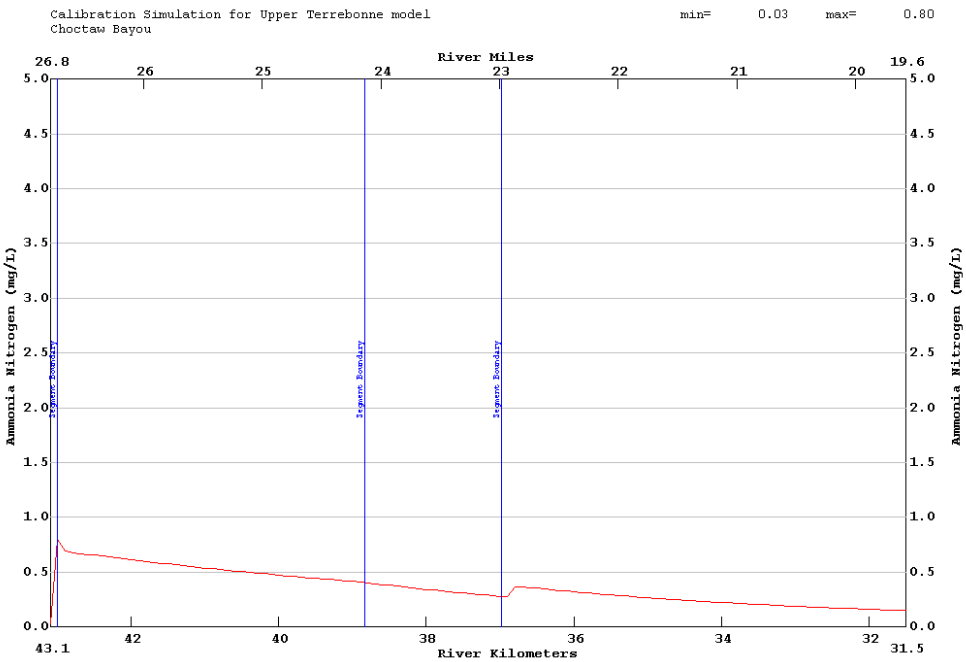

Figure G-6. Ammonia TMDL results for subsegment 120103

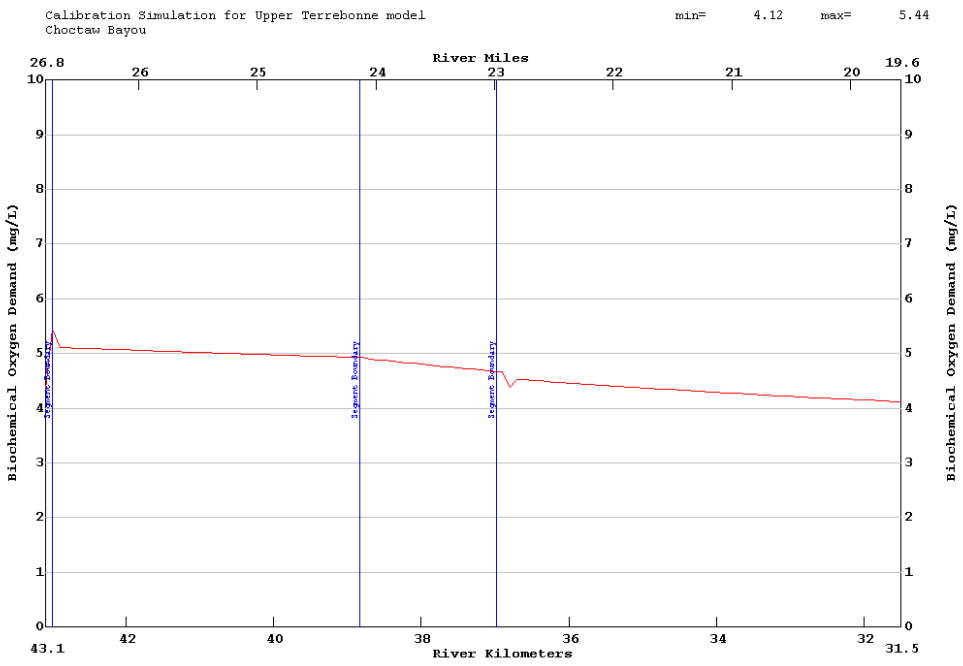

Figure G-7. BOD TMDL results for subsegment 120103

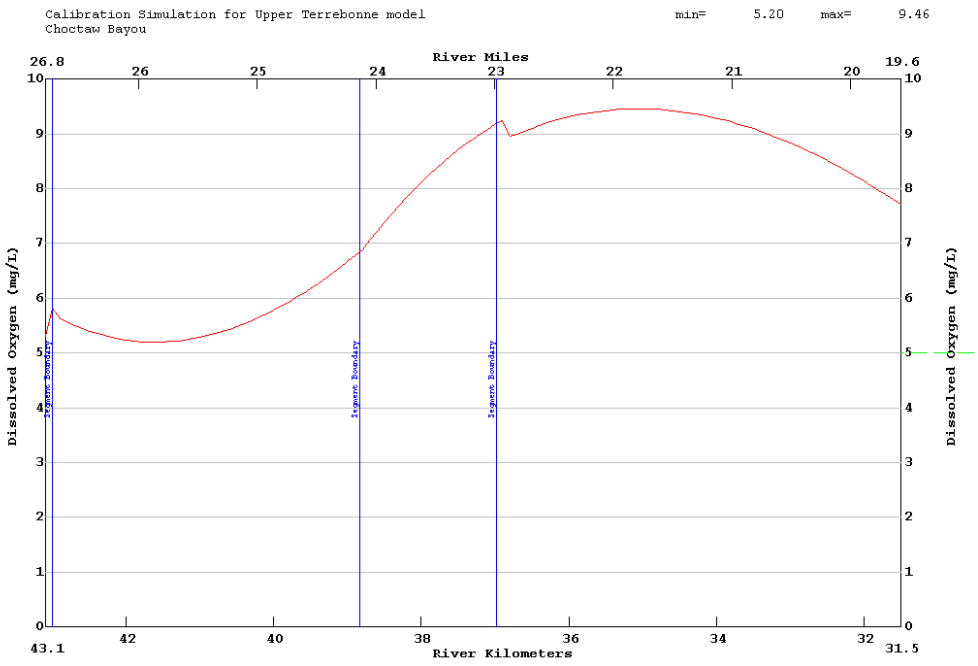

Figure G-8. DO TMDL results for subsegment 120103

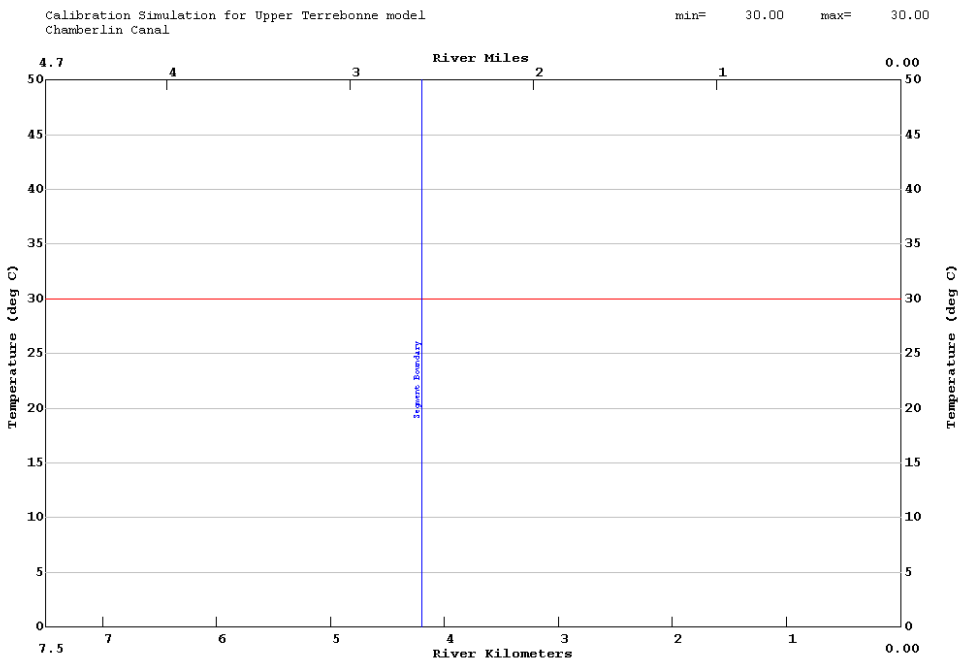

Figure G-9. Temperature TMDL results for subsegment 120105

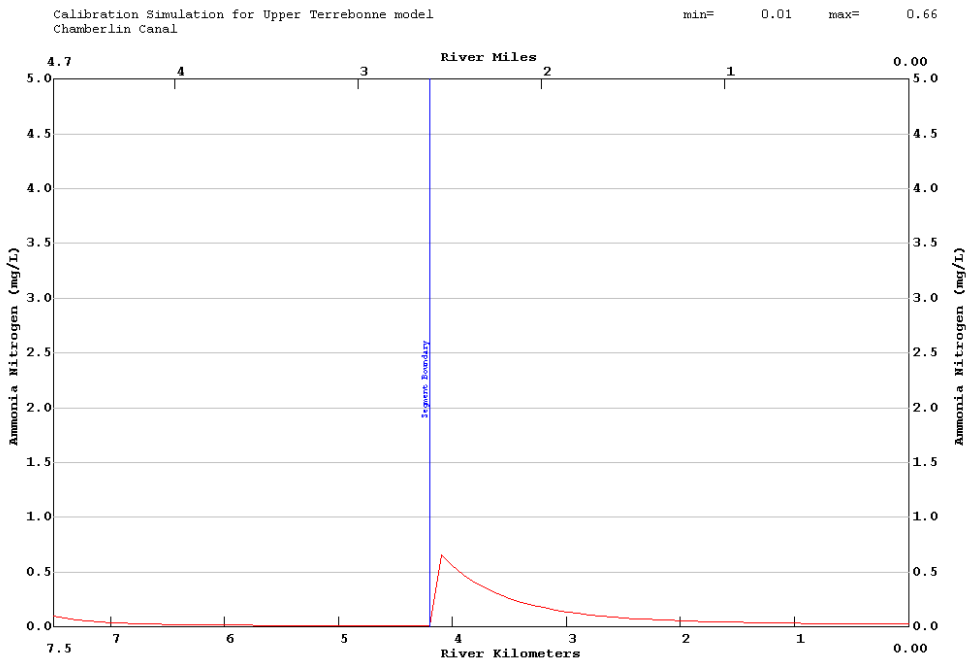

Figure G-10. Ammonia TMDL results for subsegment 120105

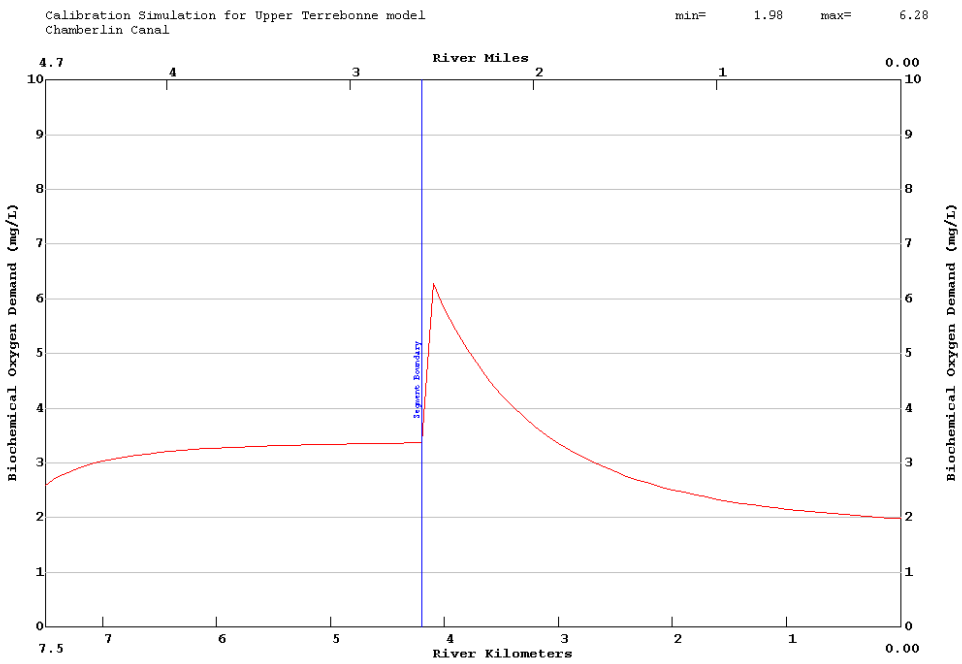

Figure G-11. BOD TMDL results for subsegment 120105

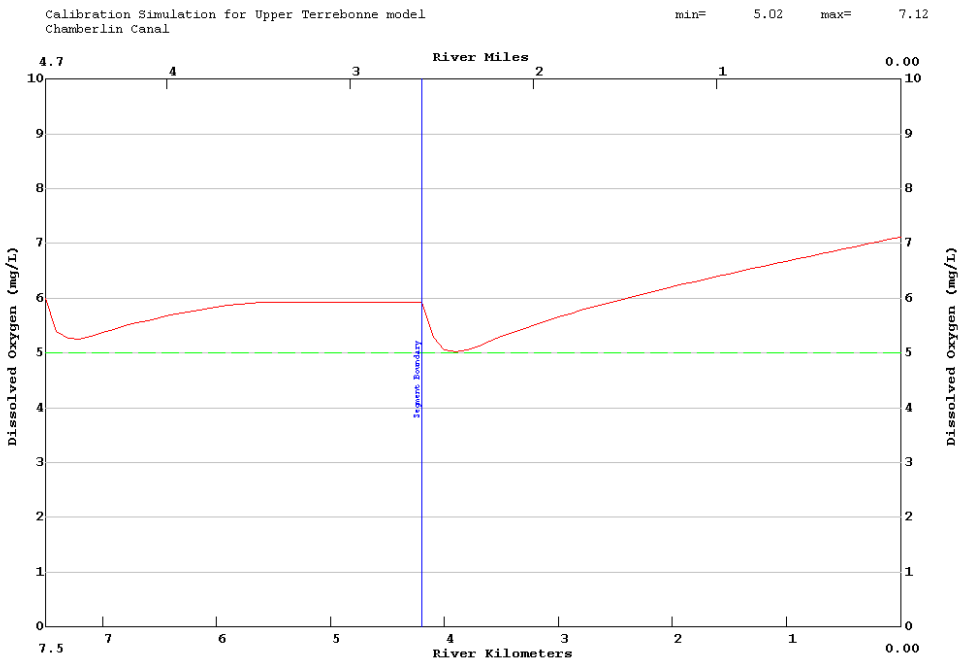

Figure G-12. DO TMDL results for subsegment 120105

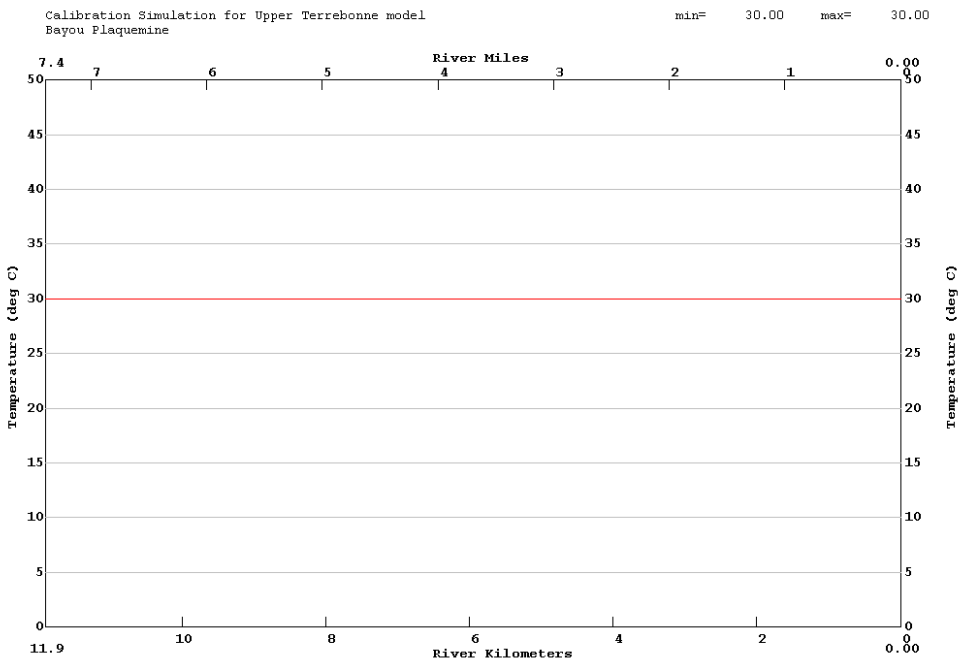

Figure G-13. Temperature TMDL results for subsegment 120106

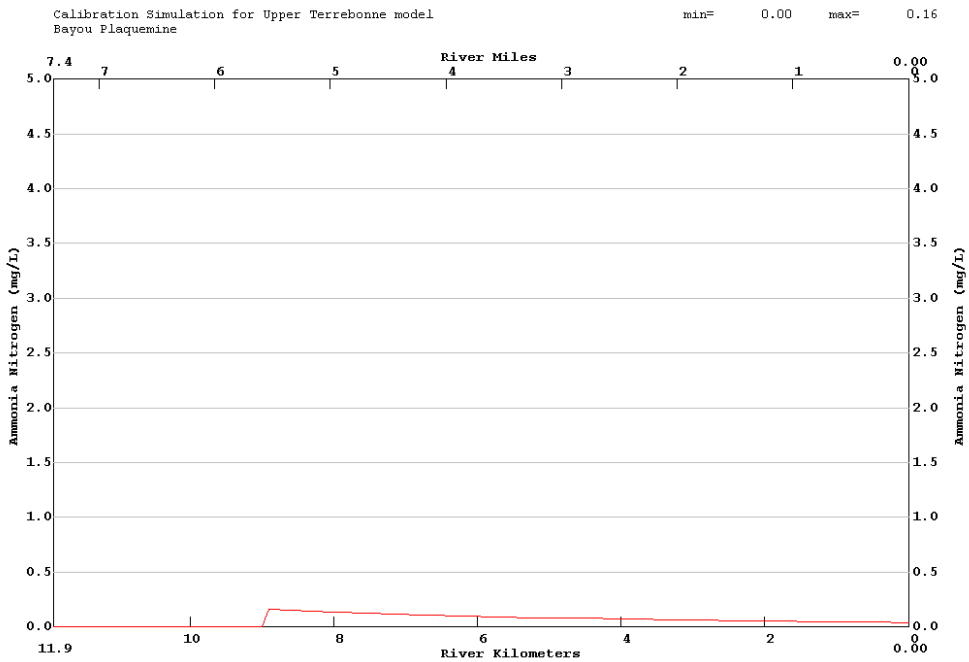

Figure G-14. Ammonia TMDL results for subsegment 120106

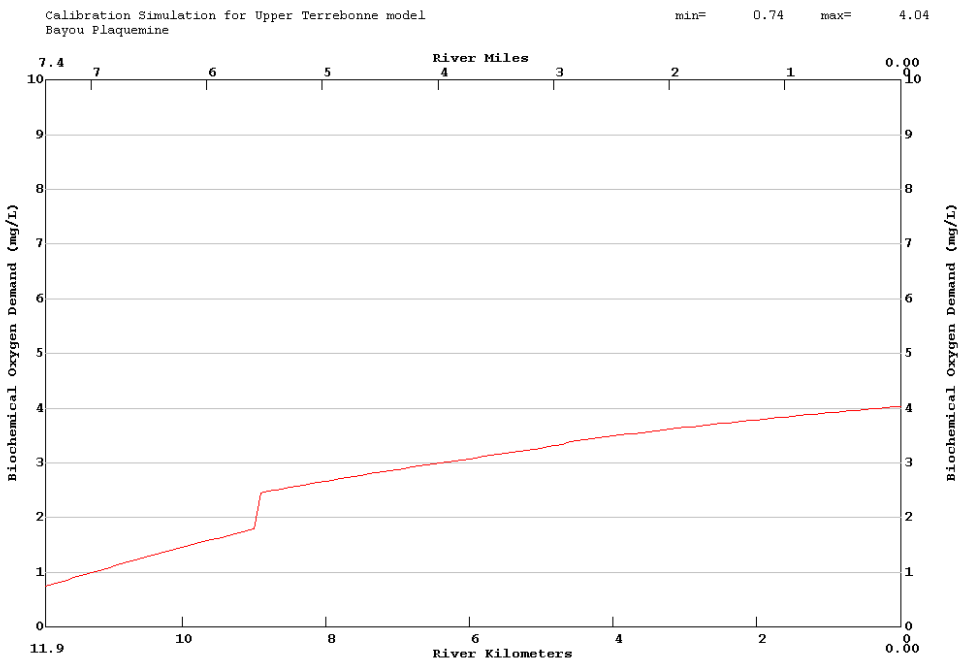

Figure G-15. BOD TMDL results for subsegment 120106

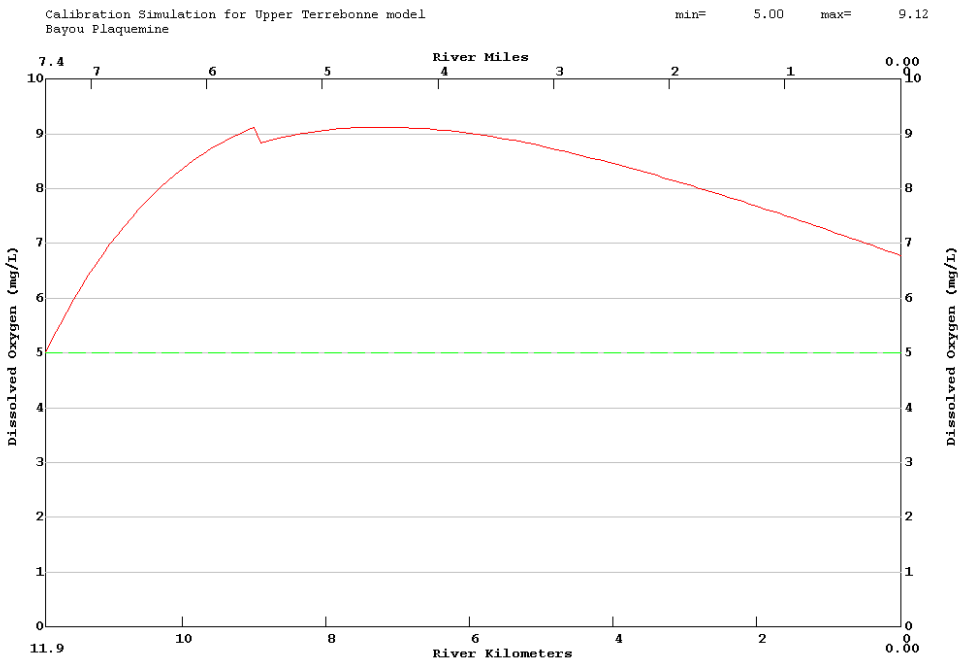

Figure G-16. DO TMDL results for subsegment 120106

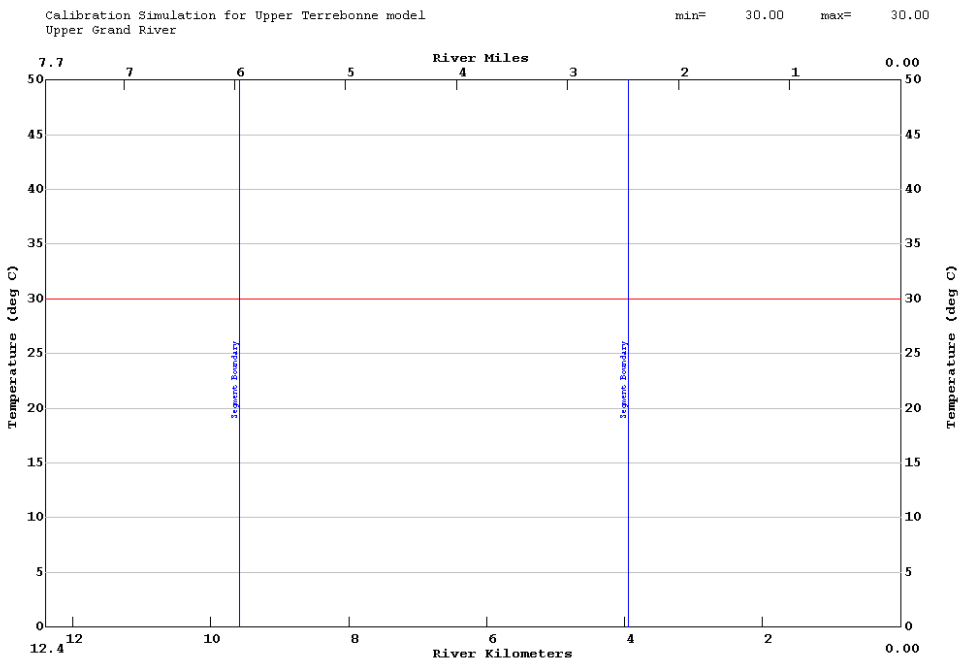

Figure G-17. Temperature TMDL results for subsegment 120107

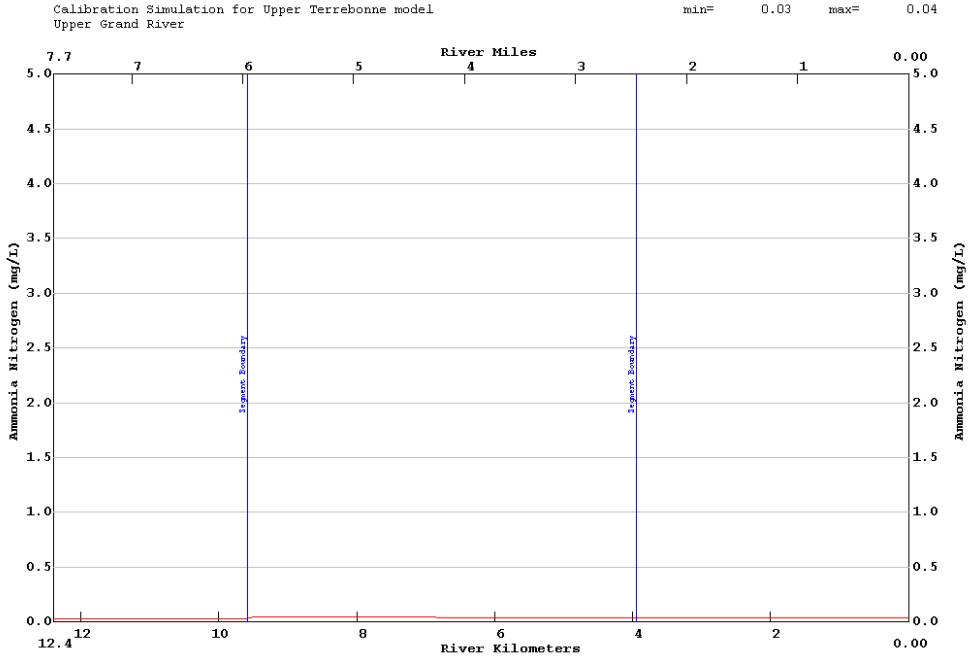

Figure G-18. Ammonia TMDL results for subsegment 120107

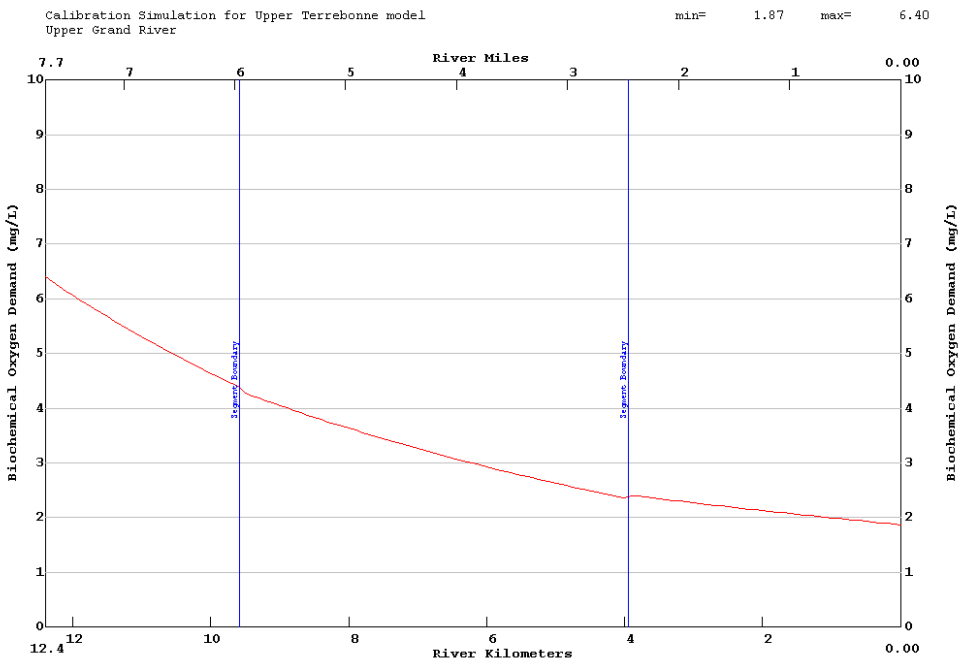

Figure G-19. BOD TMDL results for subsegment 120107

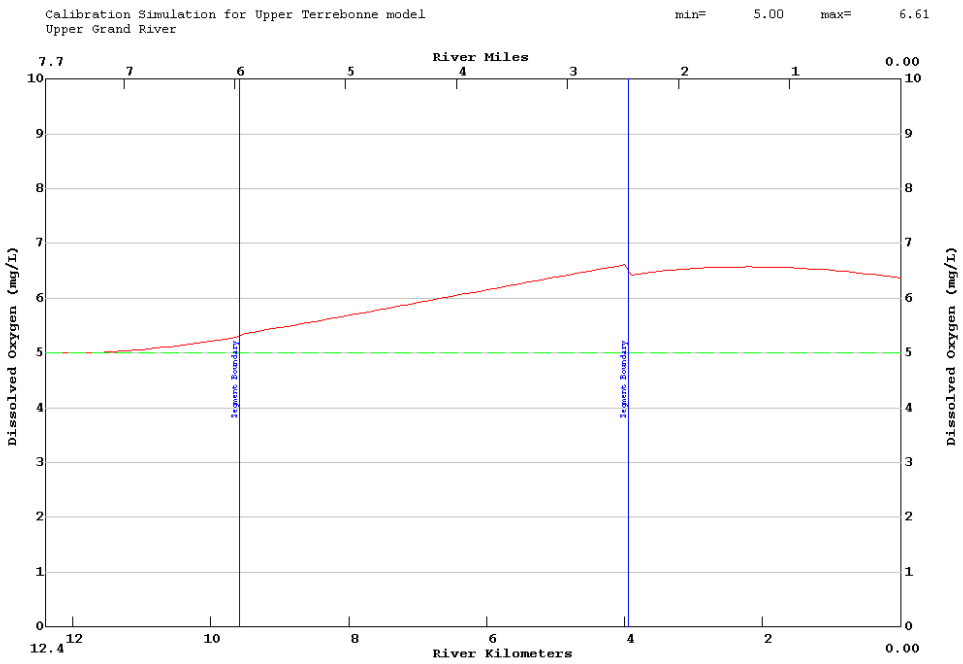

Figure G-20. DO TMDL results for subsegment 120107

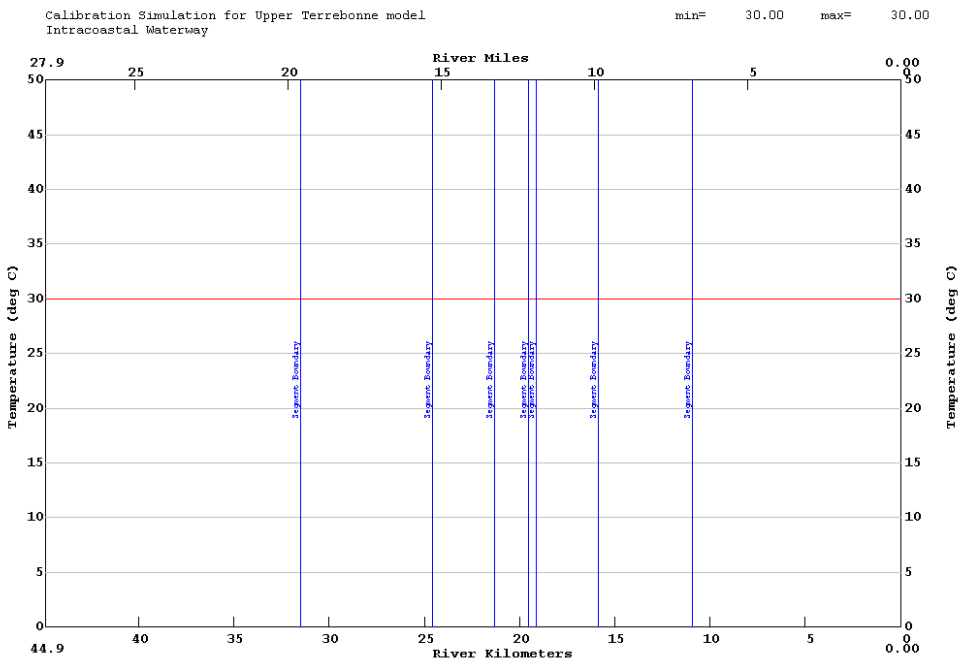

Figure G-21. Temperature TMDL results for subsegment 120109

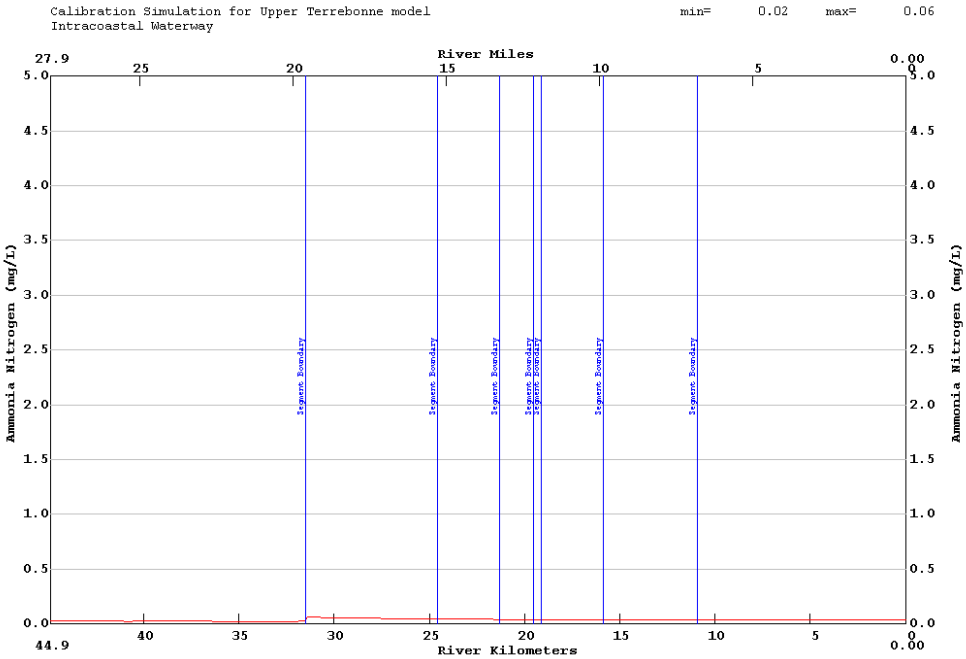

Figure G-22. Ammonia TMDL results for subsegment 120109

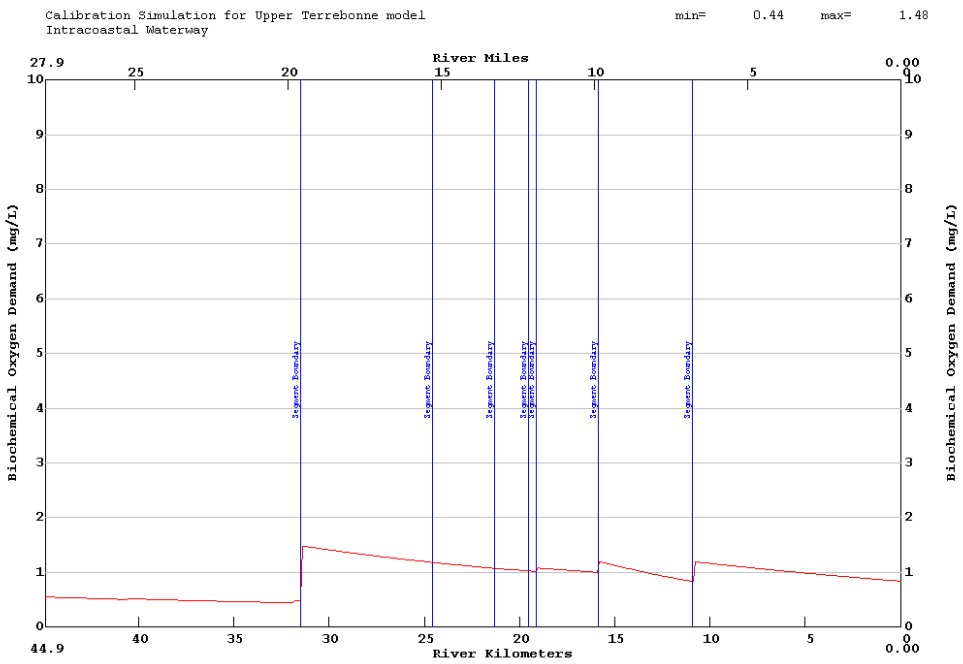

Figure 23. BOD TMDL results for subsegment 120109

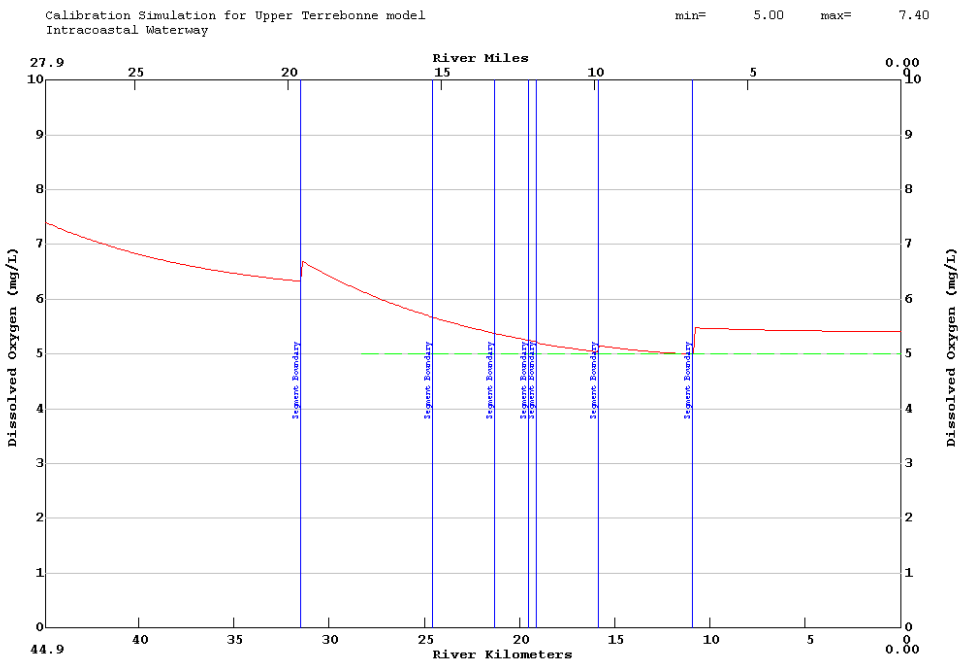

Figure G-24. DO TMDL results for subsegment 120109

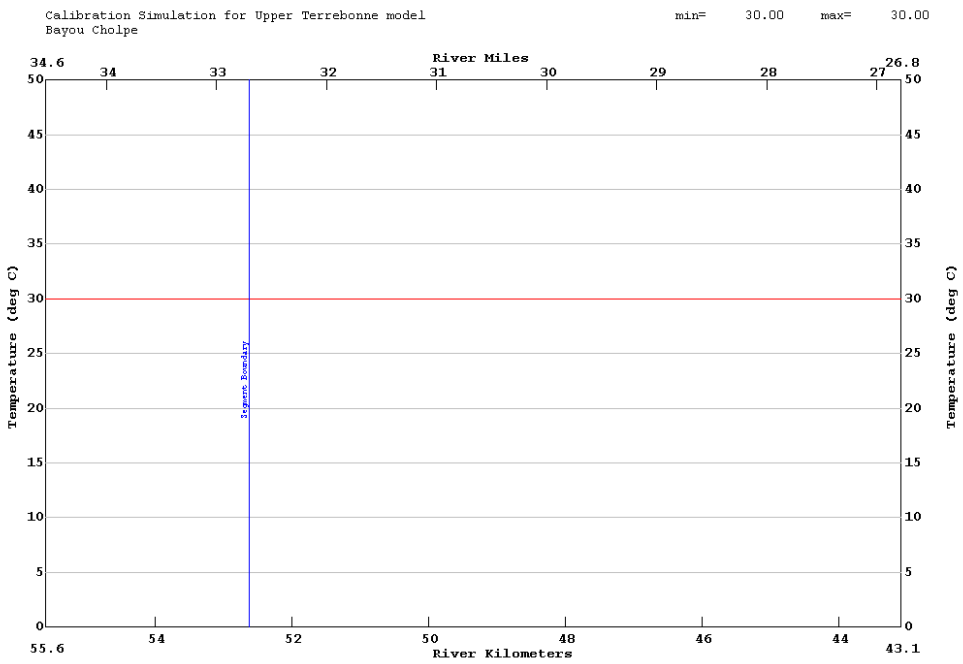

Figure G-25. Temperature TMDL results for subsegment 120110

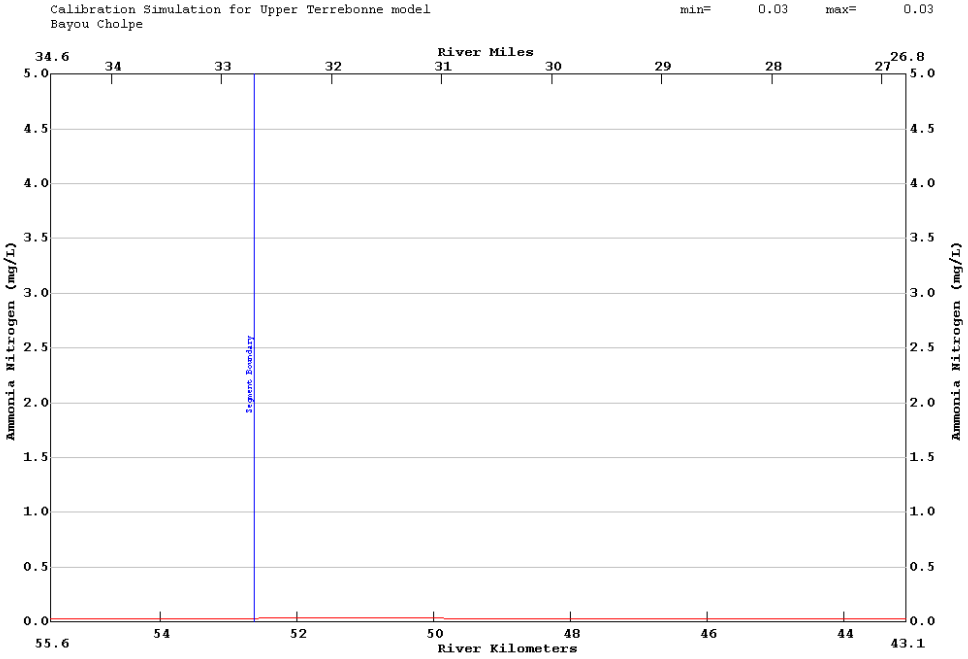

Figure G-26. Ammonia TMDL results for subsegment 120110

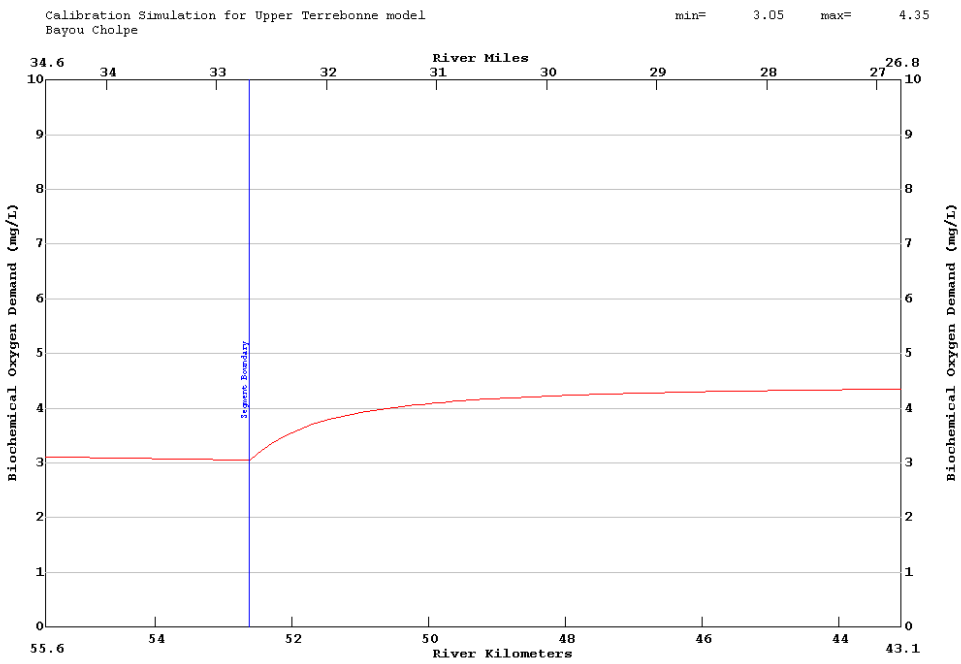

Figure G-27. BOD TMDL results for subsegment 120110

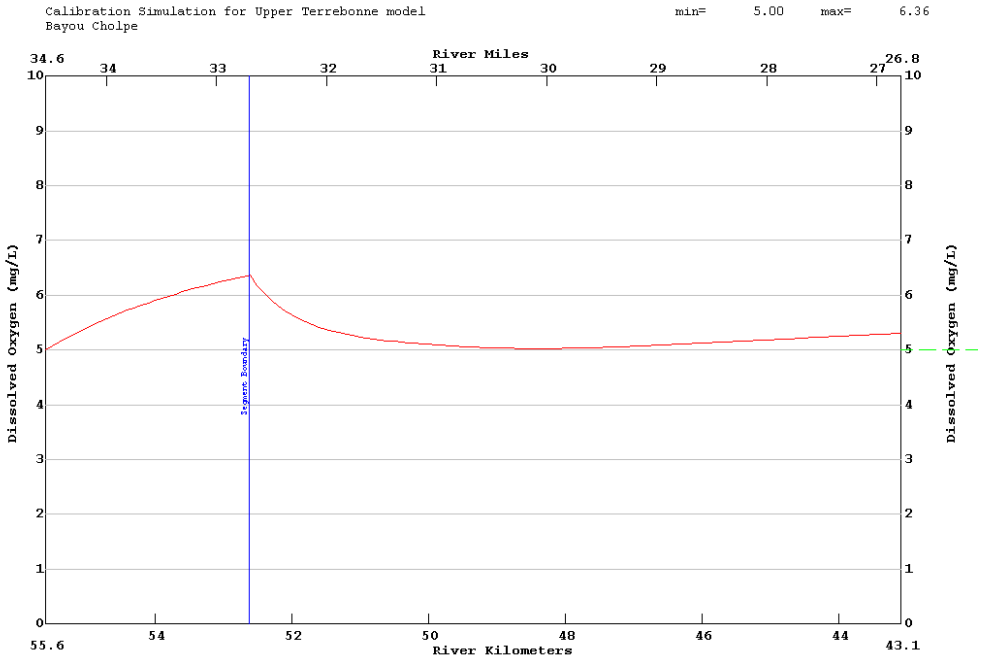

Figure G-28. DO TMDL results for subsegment 120110

APPENDIX H:
SENSITIVITY ANALYSIS PLOTS

Figure H-1. BOD sensitivity results (BOD settling rate) for subsegment 120102. 1
Figure H-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120102.....1
Figure H-3. BOD sensitivity results (dispersion) for subsegment 120102. 2
Figure H-4. BOD sensitivity results (reaeration) for subsegment 120102.....2
Figure H-5. BOD sensitivity results (background SOD) for subsegment 120102. 3
Figure H-6. BOD sensitivity results (stream velocity) for subsegment 120102. 3
Figure H-7. DO sensitivity results (BOD settling rate) for subsegment 120102. 4
Figure H-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120102. 4
Figure H-9. DO sensitivity results (dispersion) for subsegment 120102. 5
Figure H-10. DO sensitivity results (reaeration) for subsegment 120102. 5
Figure H-11. DO sensitivity results (background SOD) for subsegment 120102. 6
Figure H-12. DO sensitivity results (stream velocity) for subsegment 120102.....6
Figure H-13. BOD sensitivity results (BOD settling rate) for subsegment 120103. 7
Figure H-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120103....7
Figure H-15. BOD sensitivity results (dispersion) for subsegment 120103. 8
Figure H-16. BOD sensitivity results (reaeration) for subsegment 120103.....8
Figure H-17. BOD sensitivity results (background SOD) for subsegment 120103. 9
Figure H-18. BOD sensitivity results (stream velocity) for subsegment 120103. 9
Figure H-19. DO sensitivity results (BOD settling rate) for subsegment 120103. 10
Figure H-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120103. ...10
Figure H-21. DO sensitivity results (dispersion) for subsegment 120103. 11
Figure H-22. DO sensitivity results (reaeration) for subsegment 120103. 11
Figure H-23. DO sensitivity results (background SOD) for subsegment 120103. 12
Figure H-24. DO sensitivity results (stream velocity) for subsegment 120103.....12
Figure H-25. BOD sensitivity results (BOD settling rate) for subsegment 120105. 13
Figure H-26. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120105..13
Figure H-27. BOD sensitivity results (dispersion) for subsegment 120105. 14
Figure H-28. BOD sensitivity results (reaeration) for subsegment 120105.....14
Figure H-29. BOD sensitivity results (background SOD) for subsegment 120105. 15
Figure H-30. BOD sensitivity results (stream velocity) for subsegment 120105. 15
Figure H-31. DO sensitivity results (BOD settling rate) for subsegment 120105. 16
Figure H-32. DO sensitivity results (BOD aerobic decay rate) for subsegment 120105. ...16
Figure H-33. DO sensitivity results (dispersion) for subsegment 120105. 17
Figure H-34. DO sensitivity results (reaeration) for subsegment 120105. 17
Figure H-35. DO sensitivity results (background SOD) for subsegment 120105. 18
Figure H-36. DO sensitivity results (stream velocity) for subsegment 120105.....18
Figure H-37. BOD sensitivity results (BOD settling rate) for subsegment 120106. 19
Figure H-38. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120106..19
Figure H-39. BOD sensitivity results (dispersion) for subsegment 120106. 20
Figure H-40. BOD sensitivity results (reaeration) for subsegment 120106.....20
Figure H-41. BOD sensitivity results (background SOD) for subsegment 120106. 21
Figure H-42. BOD sensitivity results (stream velocity) for subsegment 120106. 21

Figure H-43. DO sensitivity results (BOD settling rate) for subsegment 120106. 22
Figure H-44. DO sensitivity results (BOD aerobic decay rate) for subsegment 120106. ...22
Figure H-45. DO sensitivity results (dispersion) for subsegment 120106. 23
Figure H-46. DO sensitivity results (reaeration) for subsegment 120106. 23
Figure H-47. DO sensitivity results (background SOD) for subsegment 120106. 24
Figure H-48. DO sensitivity results (stream velocity) for subsegment 120106. 24
Figure H-49. BOD sensitivity results (BOD settling rate) for subsegment 120107. 25
Figure H-50. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120107..25
Figure H-51. BOD sensitivity results (dispersion) for subsegment 120107. 26
Figure H-52. BOD sensitivity results (reaeration) for subsegment 120107. 26
Figure H-53. BOD sensitivity results (background SOD) for subsegment 120107. 27
Figure H-54. BOD sensitivity results (stream velocity) for subsegment 120107. 27
Figure H-55. DO sensitivity results (BOD settling rate) for subsegment 120107. 28
Figure H-56. DO sensitivity results (BOD aerobic decay rate) for subsegment 120107. ...28
Figure H-57. DO sensitivity results (dispersion) for subsegment 120107. 29
Figure H-58. DO sensitivity results (reaeration) for subsegment 120107. 29
Figure H-59. DO sensitivity results (background SOD) for subsegment 120107. 30
Figure H-60. DO sensitivity results (stream velocity) for subsegment 120107. 30
Figure H-61. BOD sensitivity results (BOD settling rate) for subsegment 120109. 31
Figure H-62. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120109..31
Figure H-63. BOD sensitivity results (dispersion) for subsegment 120109. 32
Figure H-64. BOD sensitivity results (reaeration) for subsegment 120109. 32
Figure H-65. BOD sensitivity results (background SOD) for subsegment 120109. 33
Figure H-66. BOD sensitivity results (stream velocity) for subsegment 120109. 33
Figure H-67. DO sensitivity results (BOD settling rate) for subsegment 120109. 34
Figure H-68. DO sensitivity results (BOD aerobic decay rate) for subsegment 120109. ...34
Figure H-69. DO sensitivity results (dispersion) for subsegment 120109. 35
Figure H-70. DO sensitivity results (reaeration) for subsegment 120109. 35
Figure H-71. DO sensitivity results (background SOD) for subsegment 120109. 36
Figure H-72. DO sensitivity results (stream velocity) for subsegment 120109. 36
Figure H-73. BOD sensitivity results (BOD settling rate) for subsegment 120110. 37
Figure H-74. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120110..37
Figure H-75. BOD sensitivity results (dispersion) for subsegment 120110. 38
Figure H-76. BOD sensitivity results (reaeration) for subsegment 120110. 38
Figure H-77. BOD sensitivity results (background SOD) for subsegment 120110. 39
Figure H-78. BOD sensitivity results (stream velocity) for subsegment 120110. 39
Figure H-79. DO sensitivity results (BOD settling rate) for subsegment 120110. 40
Figure H-80. DO sensitivity results (BOD aerobic decay rate) for subsegment 120110. ...40
Figure H-81. DO sensitivity results (dispersion) for subsegment 120110. 41
Figure H-82. DO sensitivity results (reaeration) for subsegment 120110. 41
Figure H-83. DO sensitivity results (background SOD) for subsegment 120110. 42
Figure H-84. DO sensitivity results (stream velocity) for subsegment 120110. 42

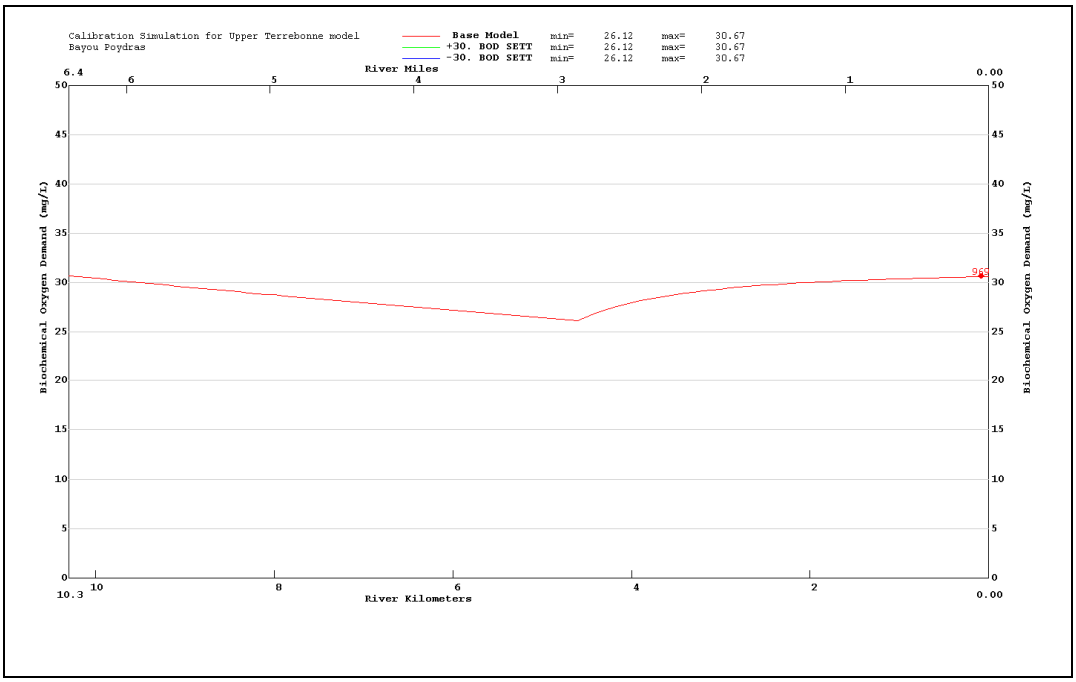

Figure H-1. BOD sensitivity results (BOD settling rate) for subsegment 120102.

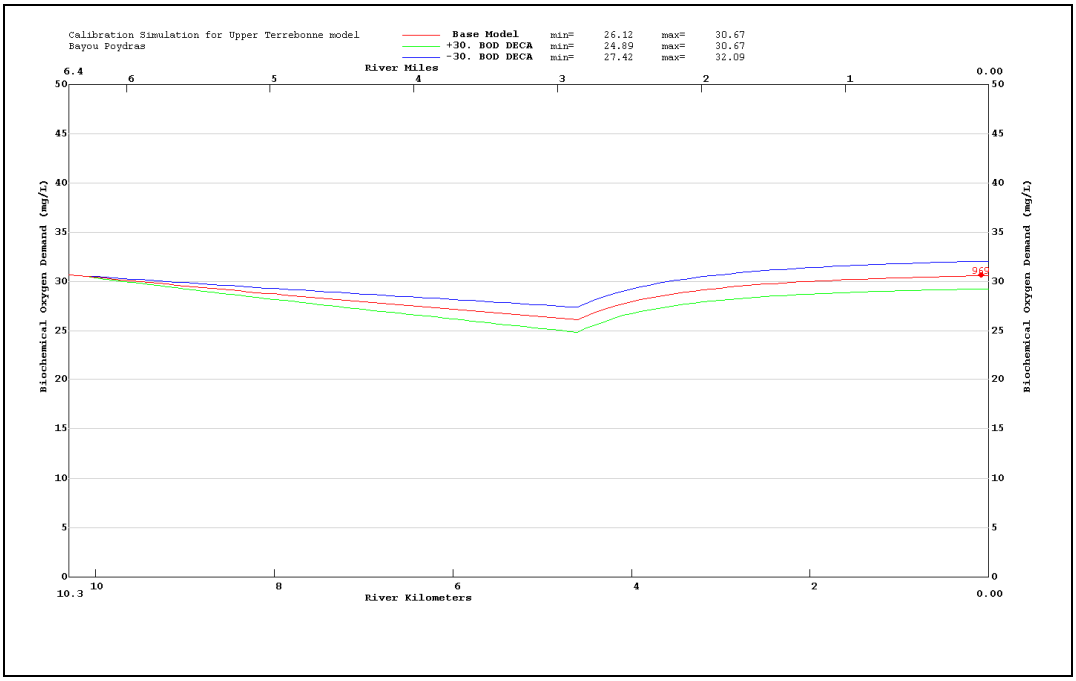

Figure H-2. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120102.

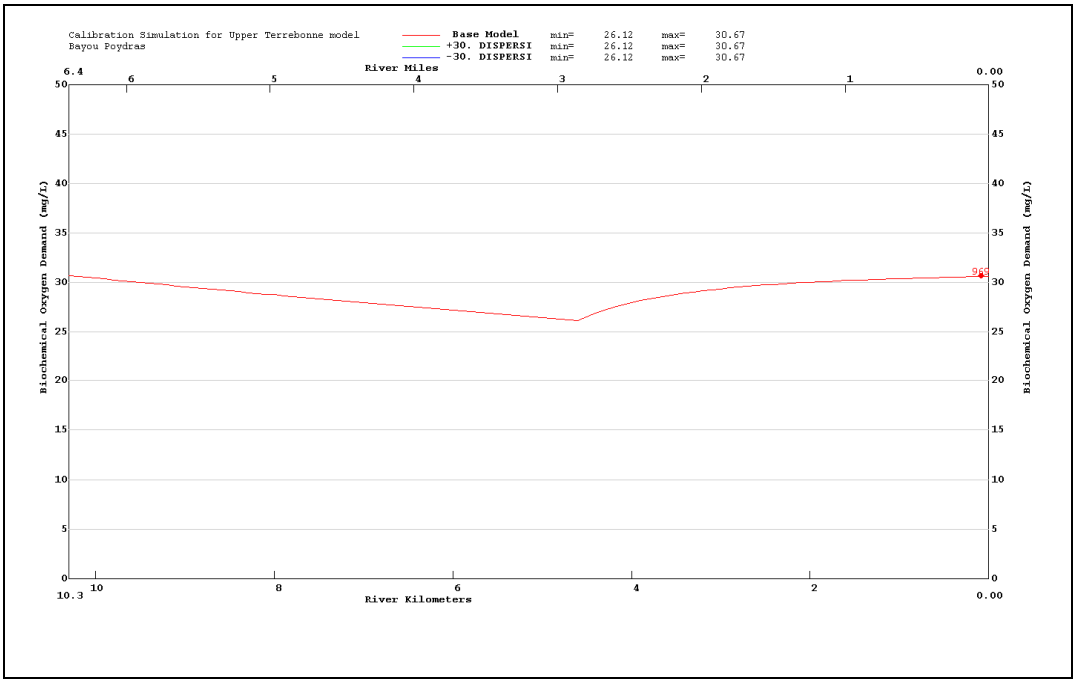

Figure H-3. BOD sensitivity results (dispersion) for subsegment 120102.

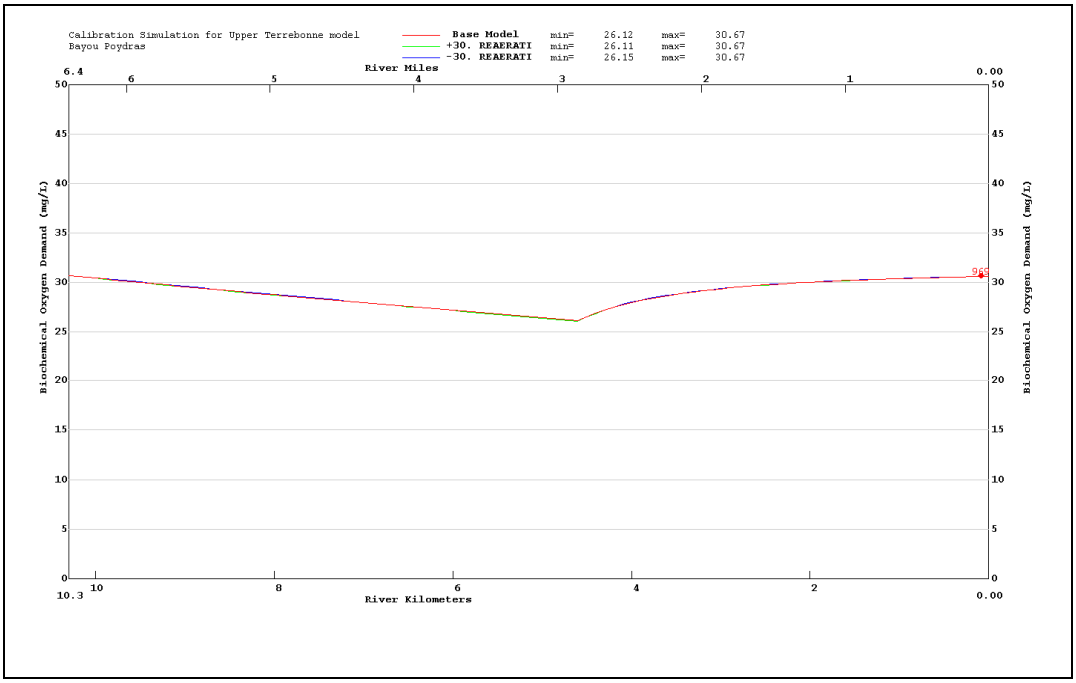

Figure H-4. BOD sensitivity results (reaeration) for subsegment 120102.

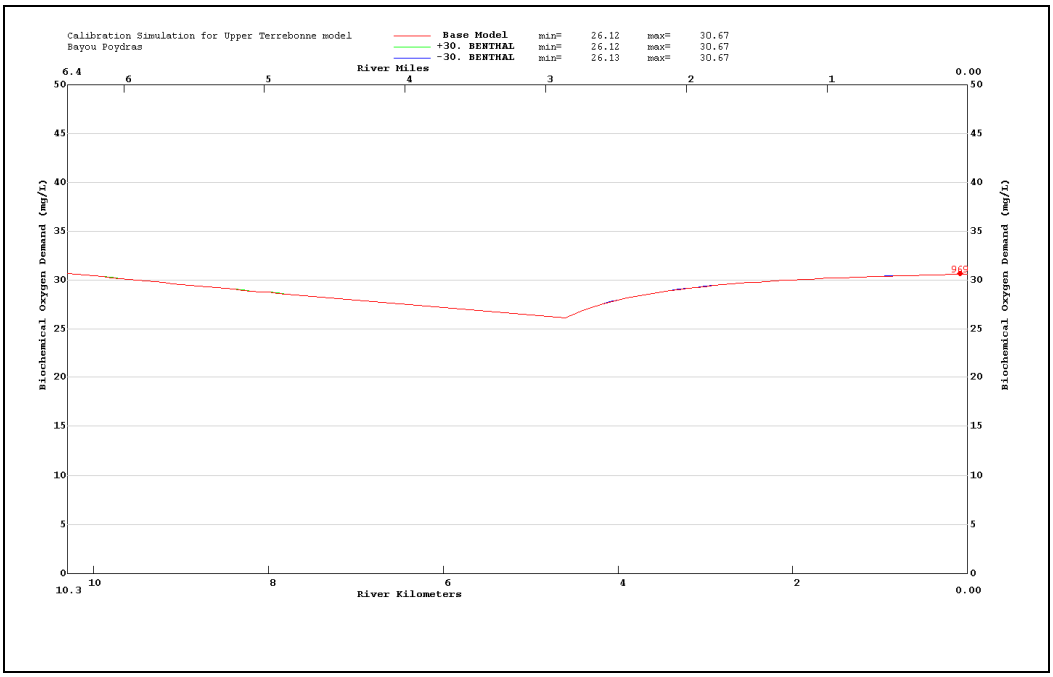

Figure H-5. BOD sensitivity results (background SOD) for subsegment 120102.

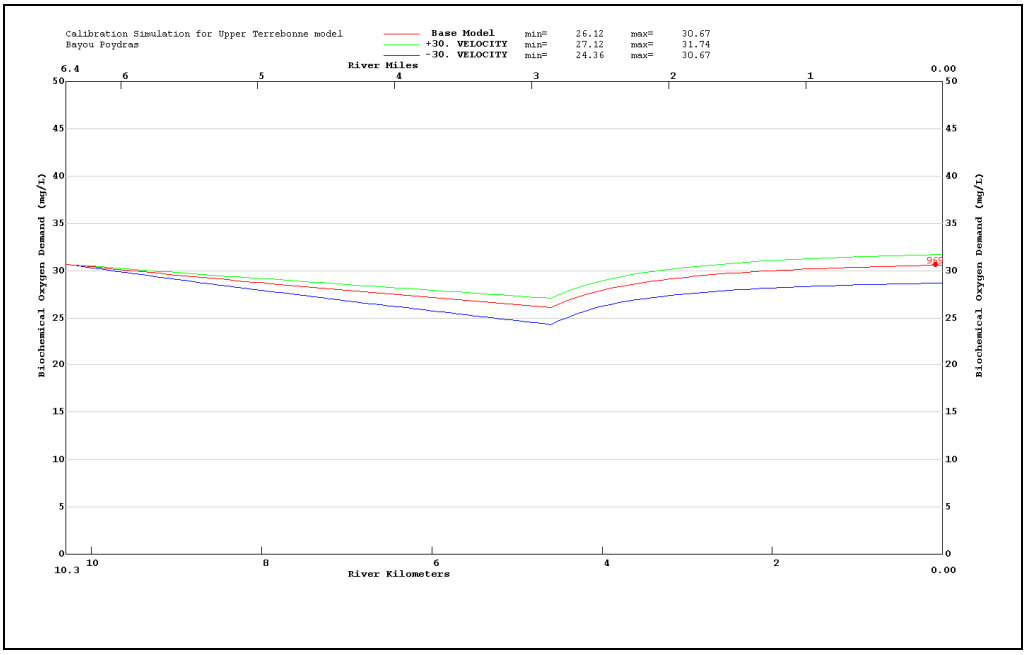

Figure H-6. BOD sensitivity results (stream velocity) for subsegment 120102.

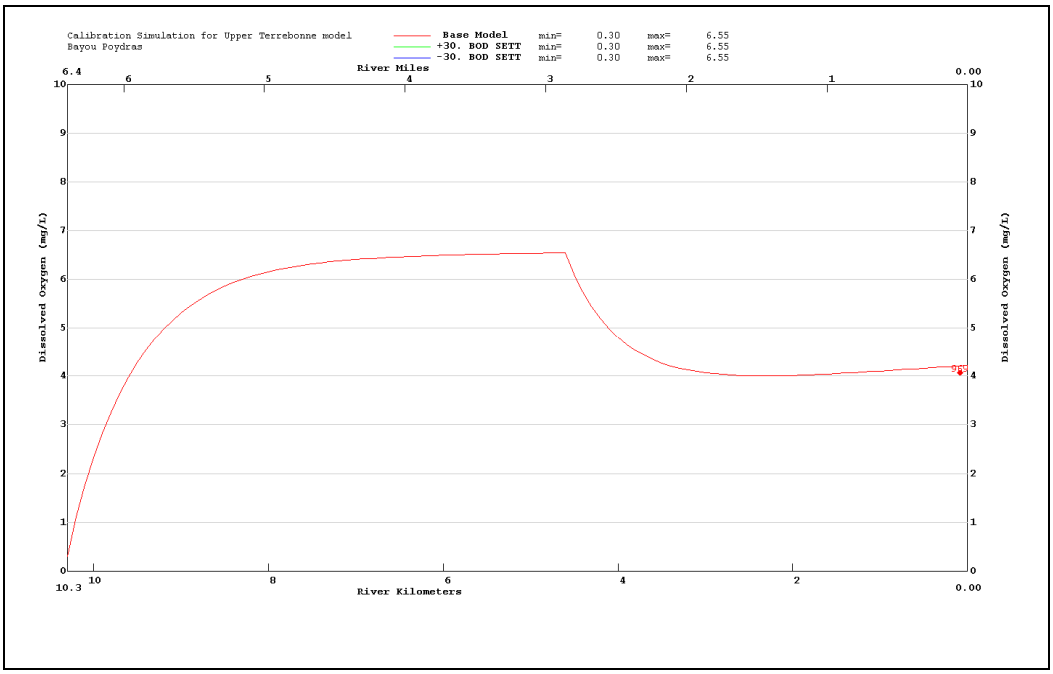

Figure H-7. DO sensitivity results (BOD settling rate) for subsegment 120102.

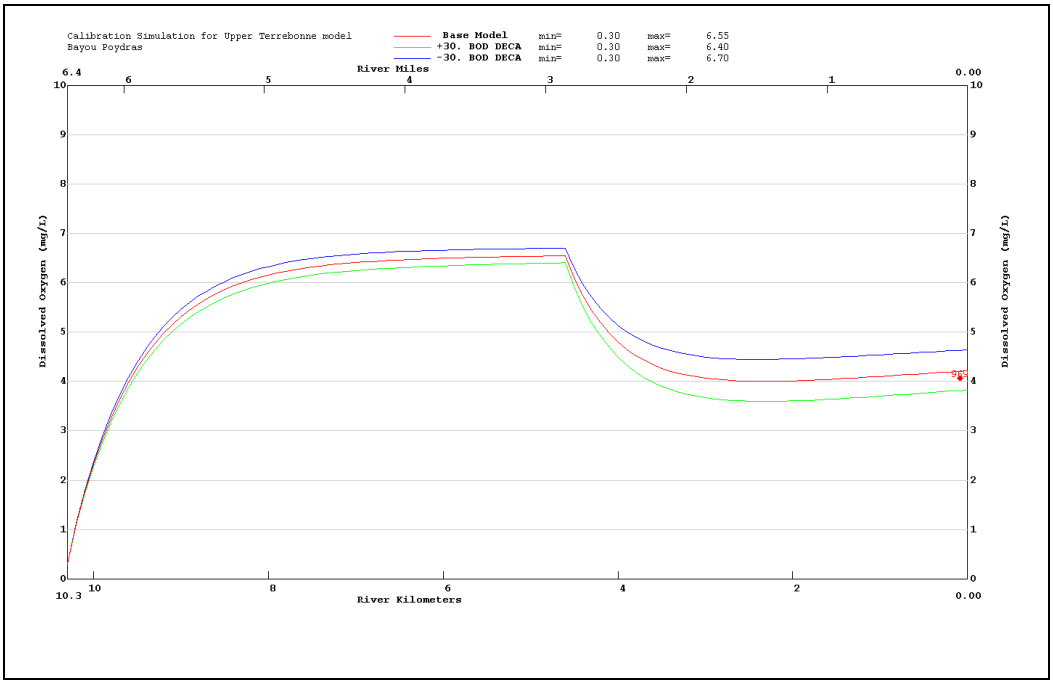

Figure H-8. DO sensitivity results (BOD aerobic decay rate) for subsegment 120102.

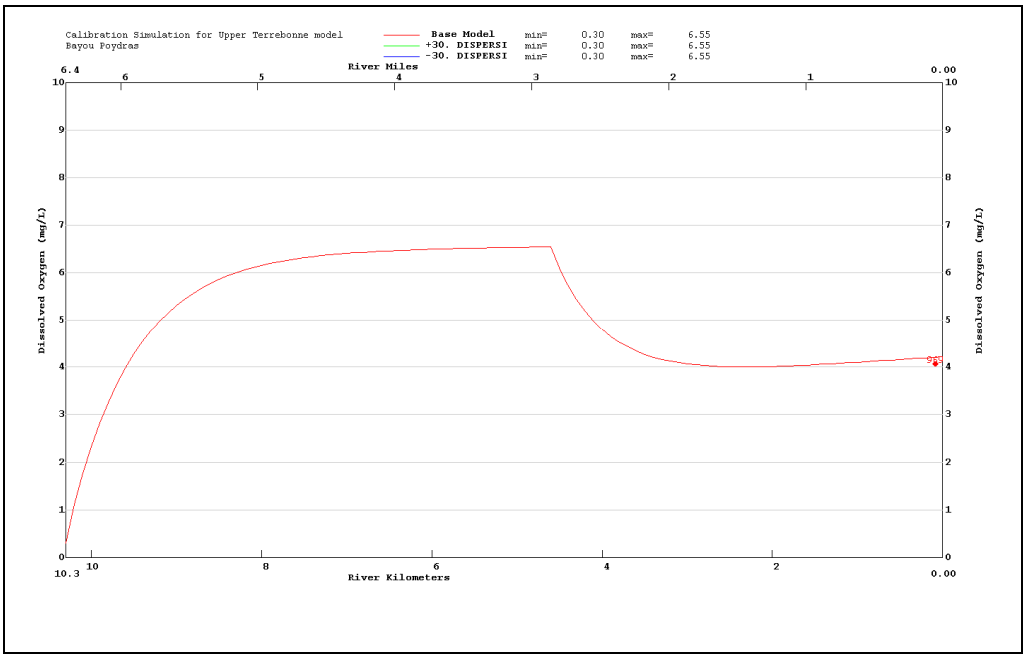

Figure H-9. DO sensitivity results (dispersion) for subsegment 120102.

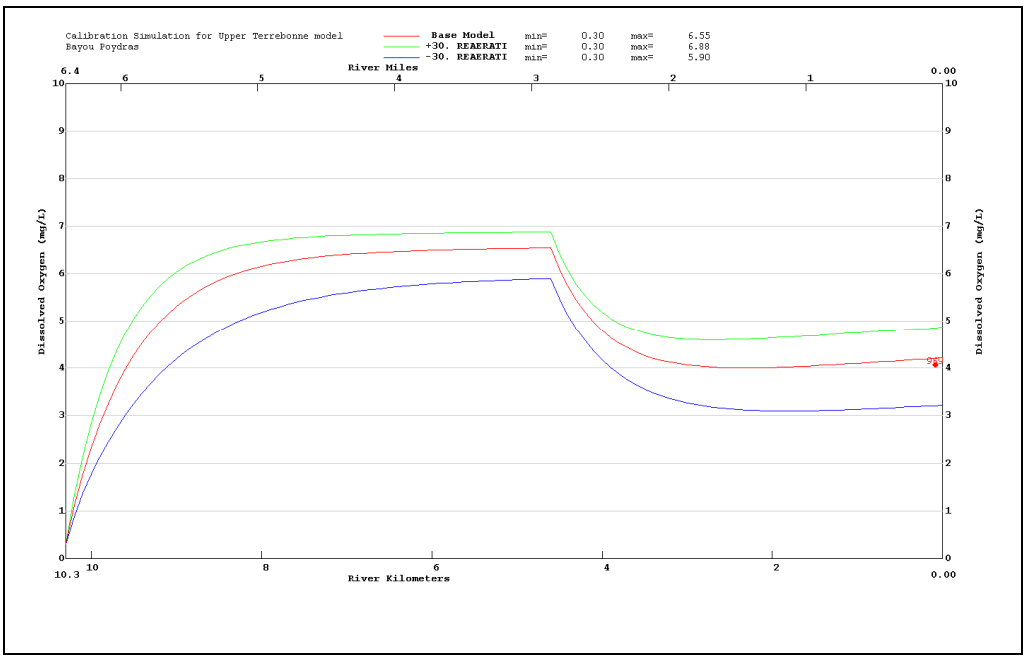

Figure H-10. DO sensitivity results (reaeration) for subsegment 120102.

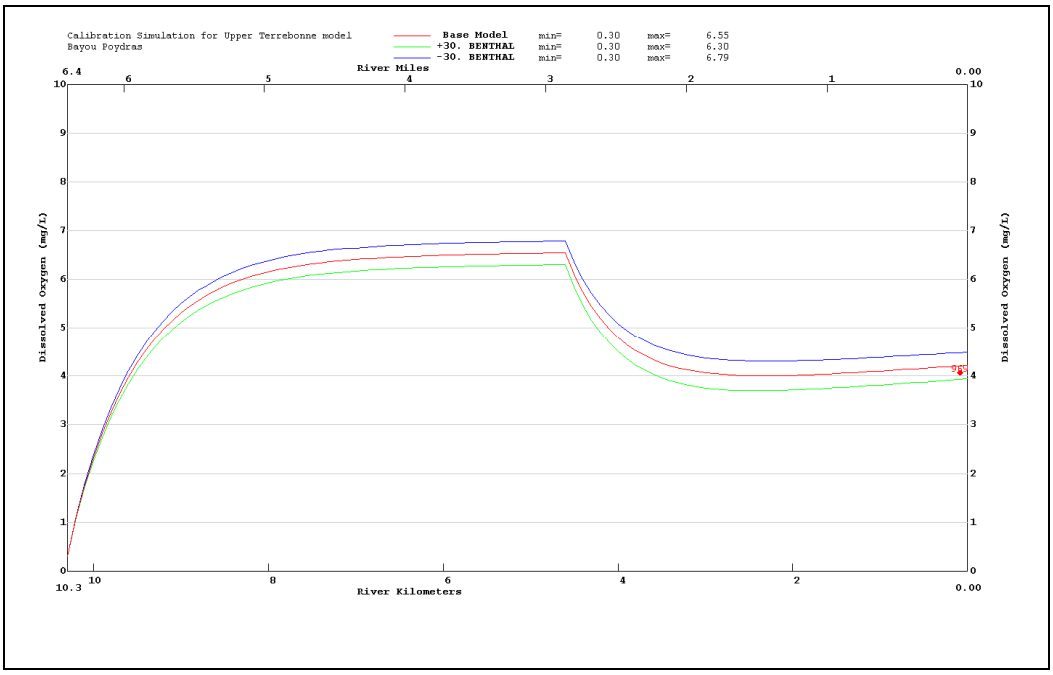

Figure H-11. DO sensitivity results (background SOD) for subsegment 120102.

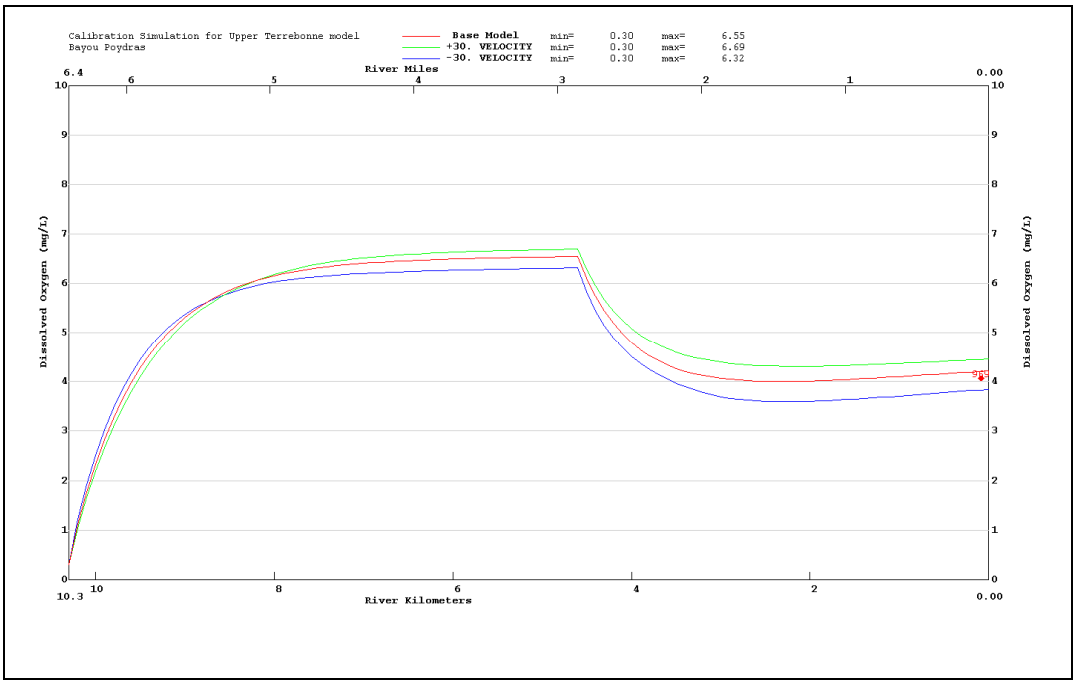

Figure H-12. DO sensitivity results (stream velocity) for subsegment 120102.

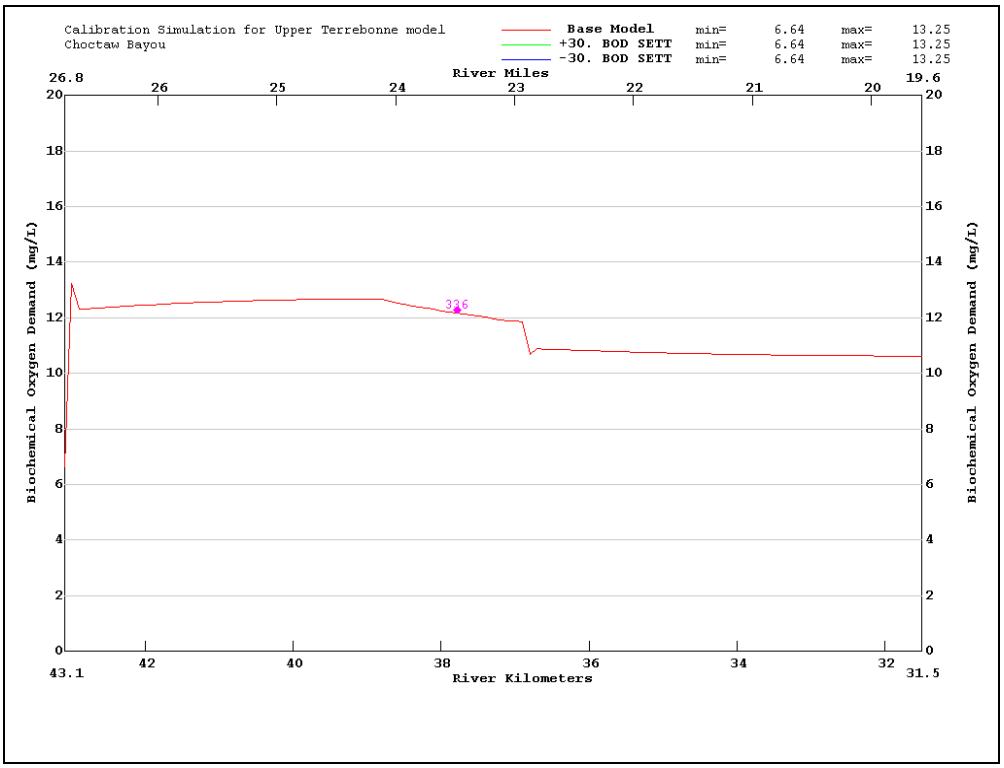

Figure H-13. BOD sensitivity results (BOD settling rate) for subsegment 120103.

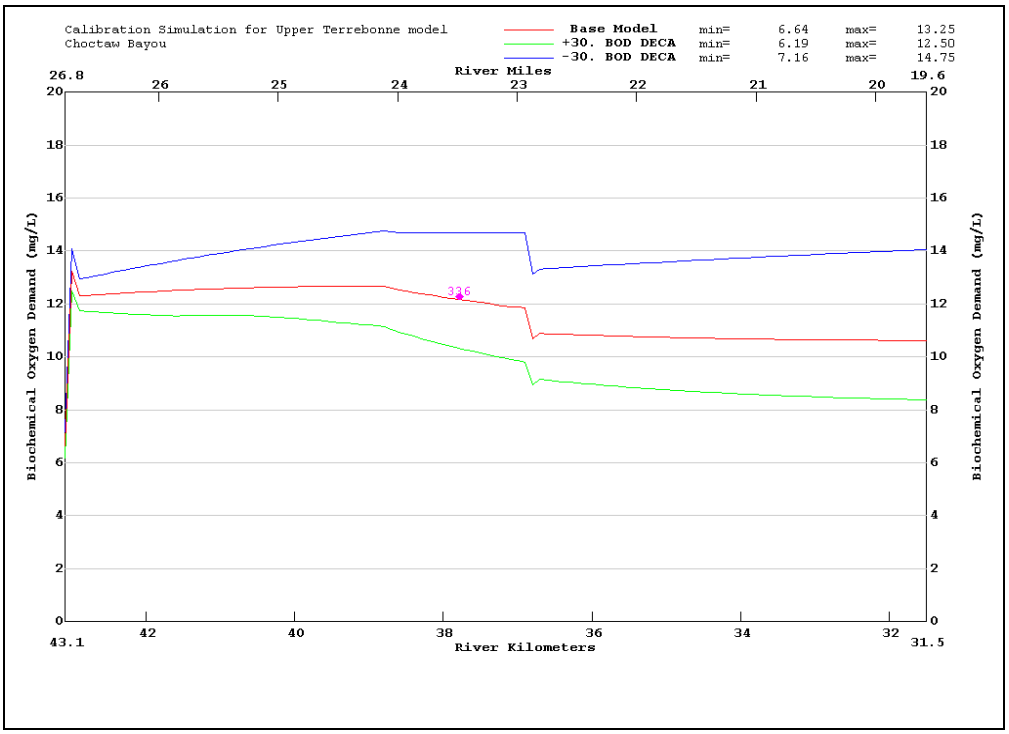

Figure H-14. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120103.

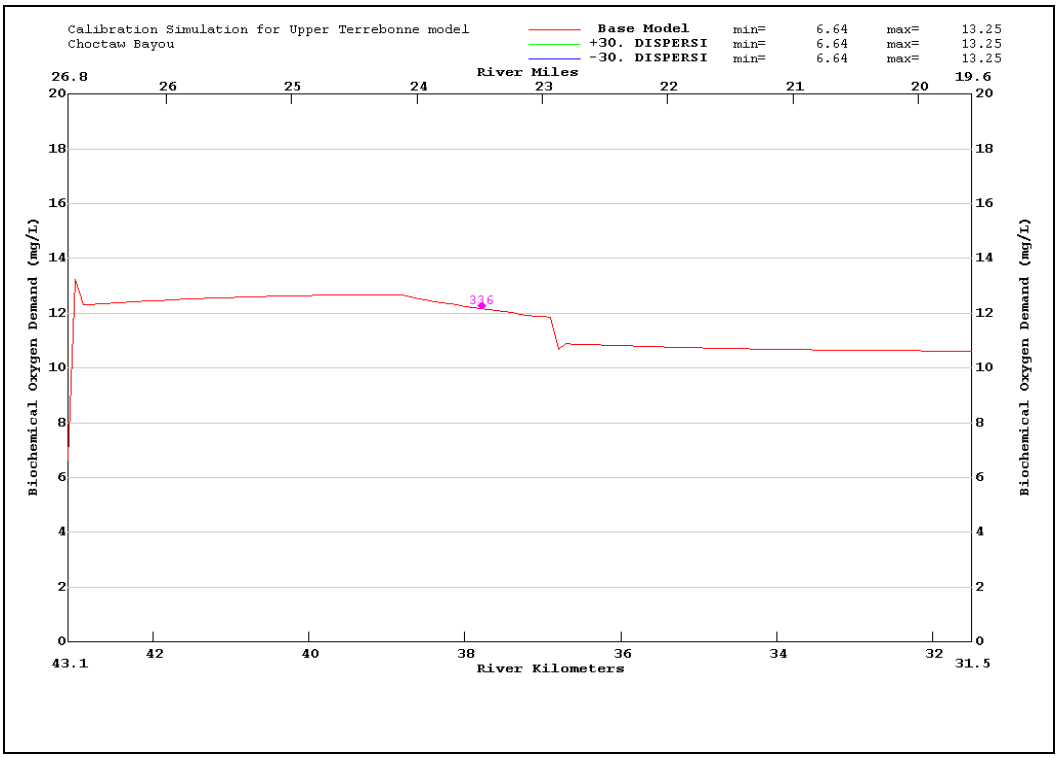

Figure H-15. BOD sensitivity results (dispersion) for subsegment 120103.

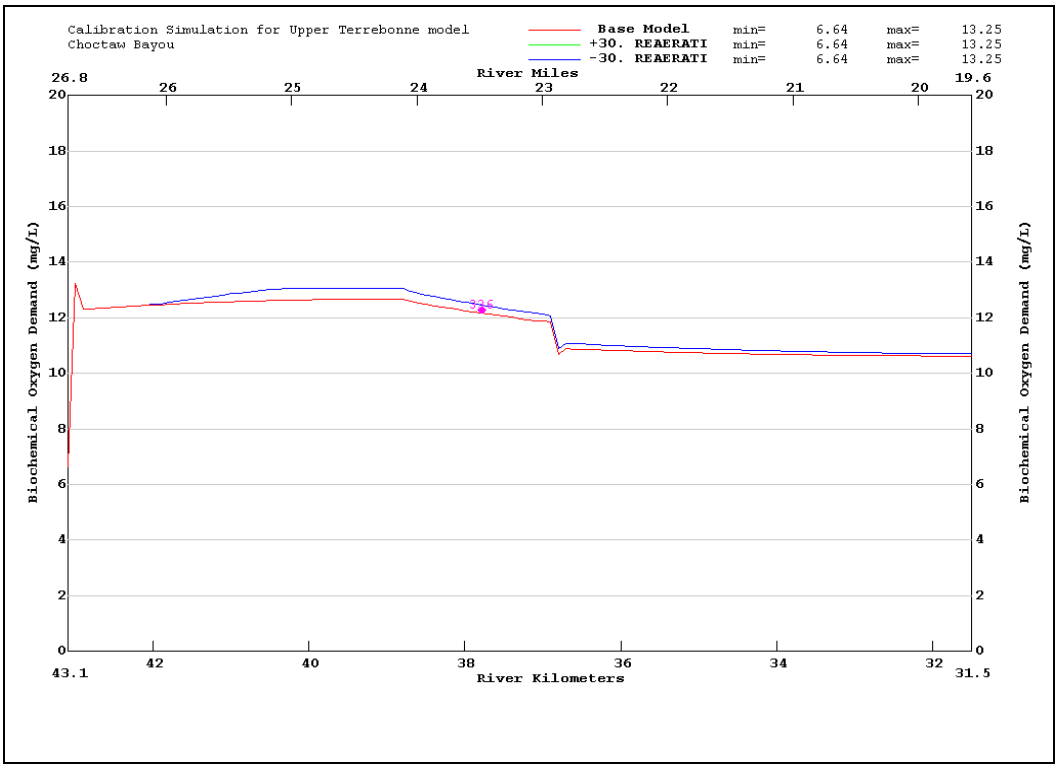

Figure H-16. BOD sensitivity results (reaeration) for subsegment 120103.

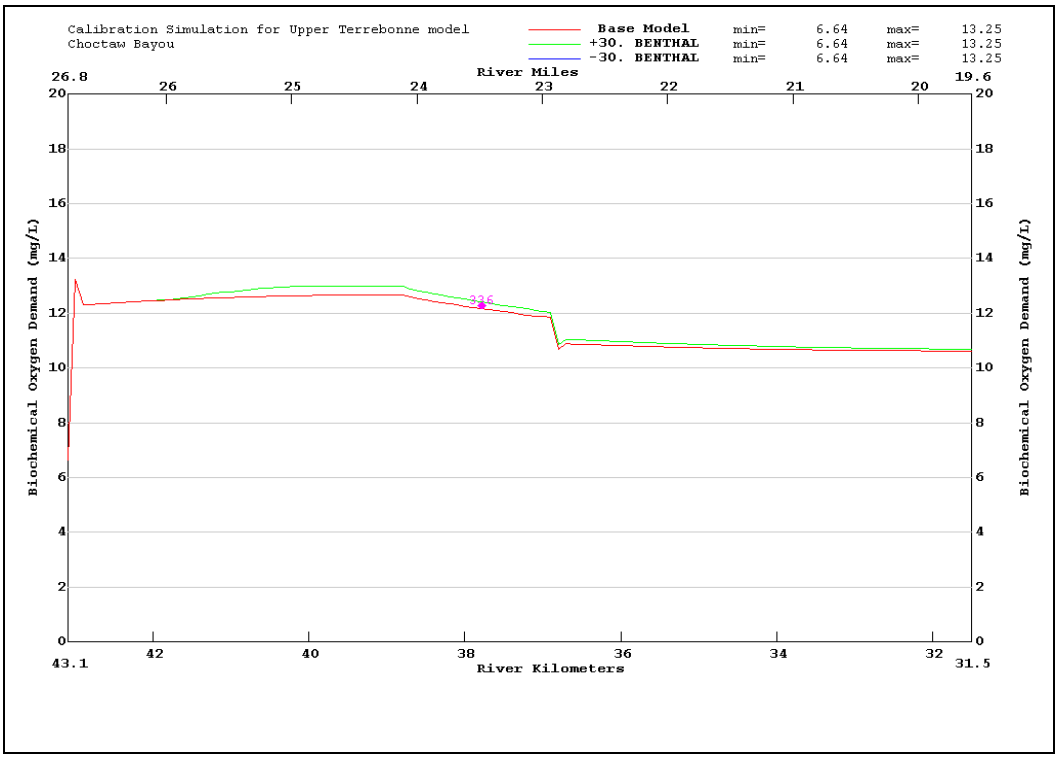

Figure H-17. BOD sensitivity results (background SOD) for subsegment 120103.

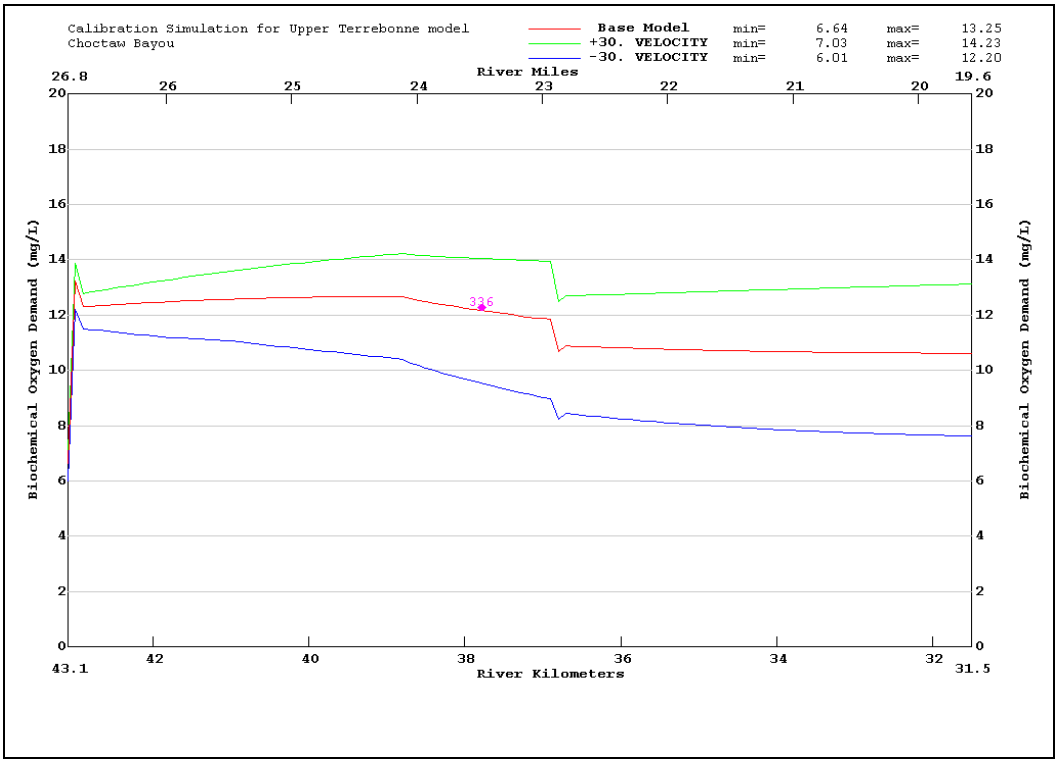

Figure H-18. BOD sensitivity results (stream velocity) for subsegment 120103.

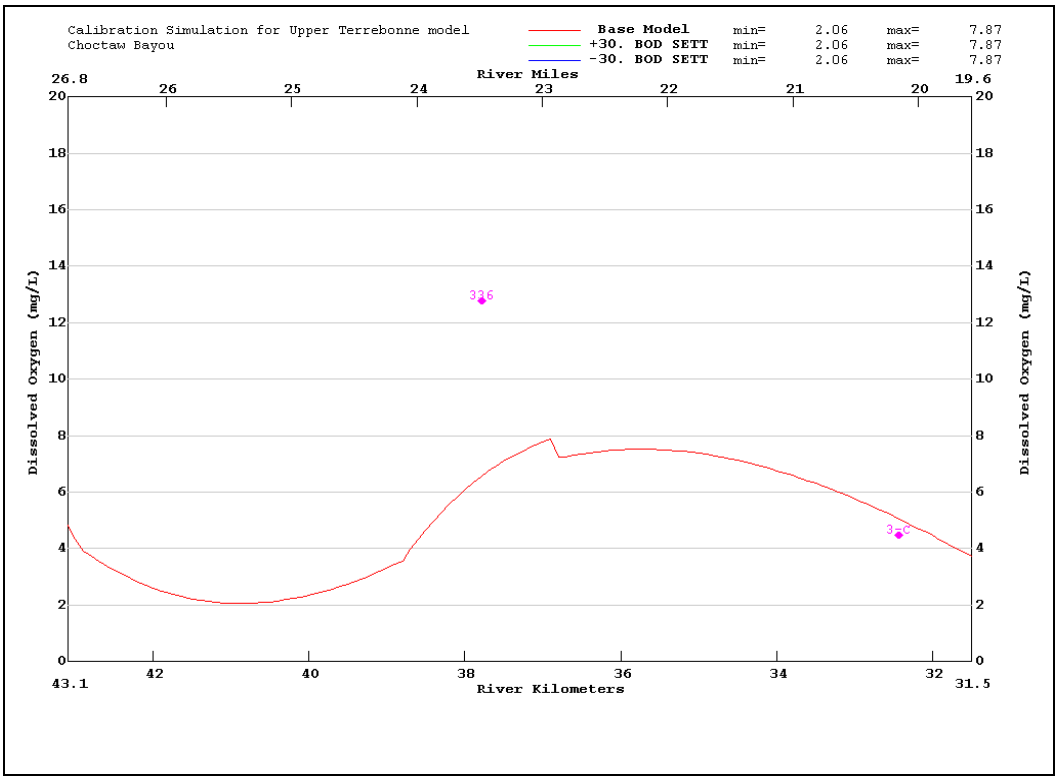

Figure H-19. DO sensitivity results (BOD settling rate) for subsegment 120103.

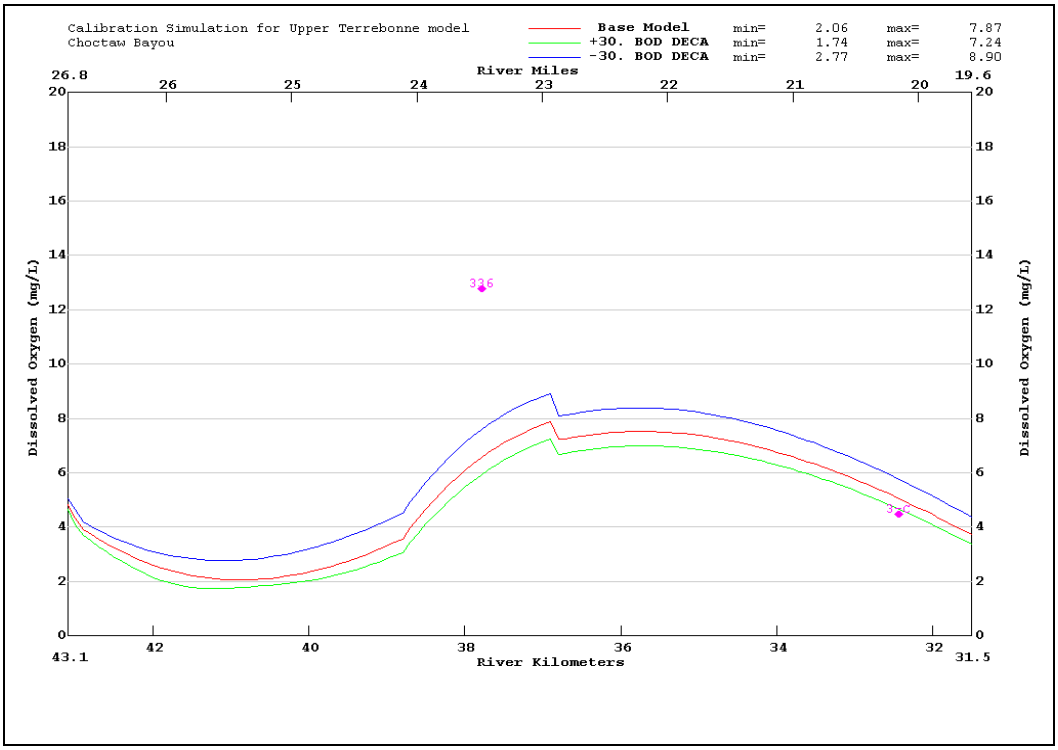

Figure H-20. DO sensitivity results (BOD aerobic decay rate) for subsegment 120103.

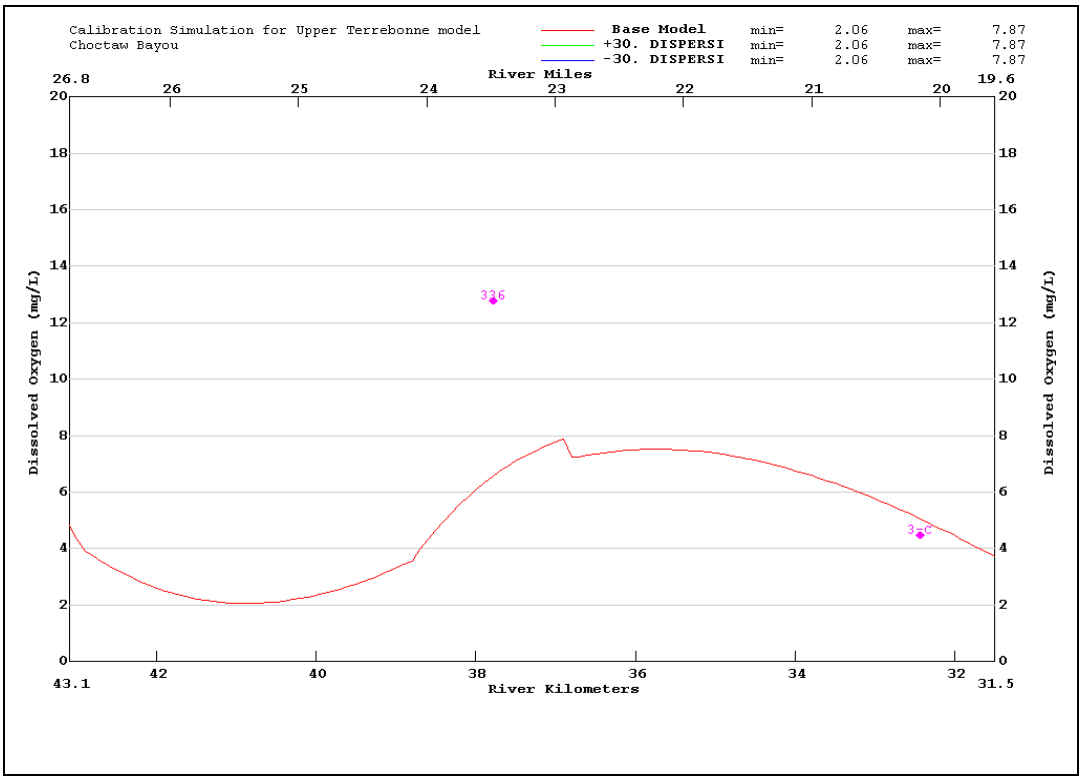

Figure H-21. DO sensitivity results (dispersion) for subsegment 120103.

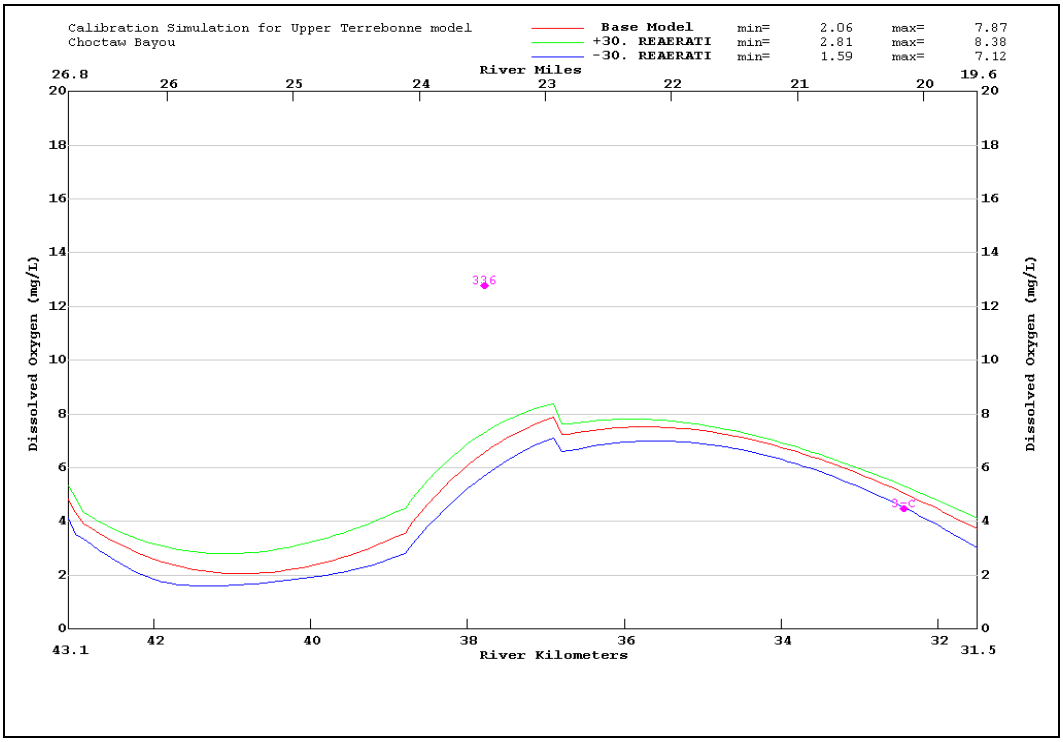

Figure H-22. DO sensitivity results (reaeration) for subsegment 120103.

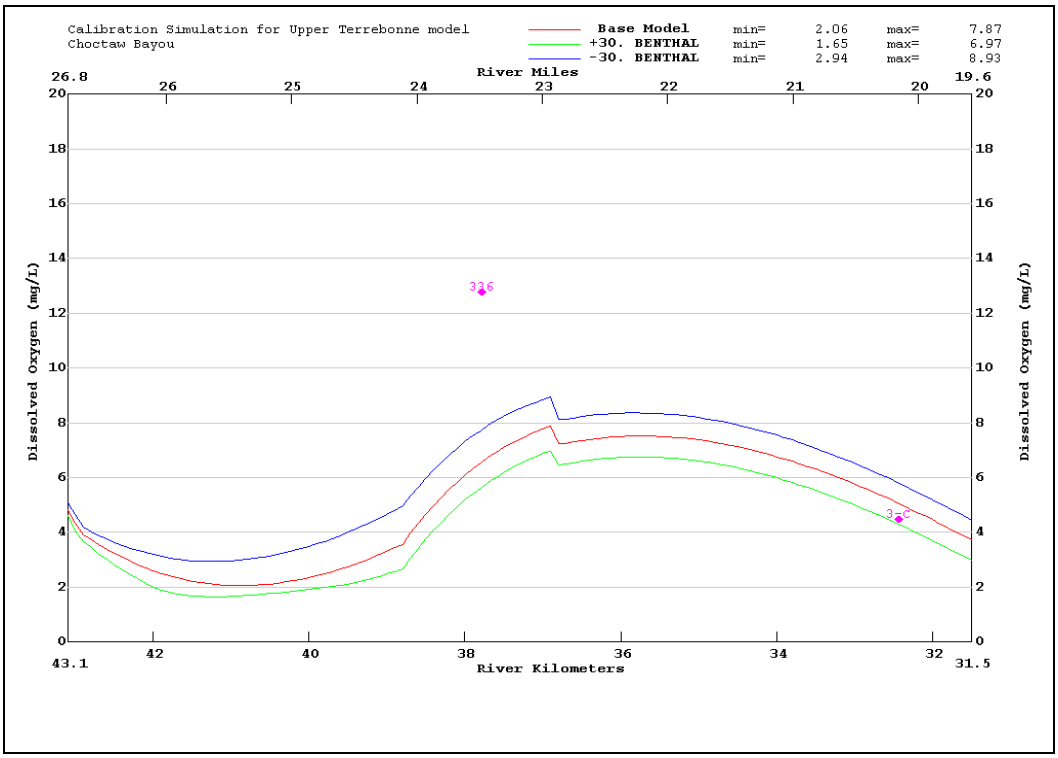

Figure H-23. DO sensitivity results (background SOD) for subsegment 120103.

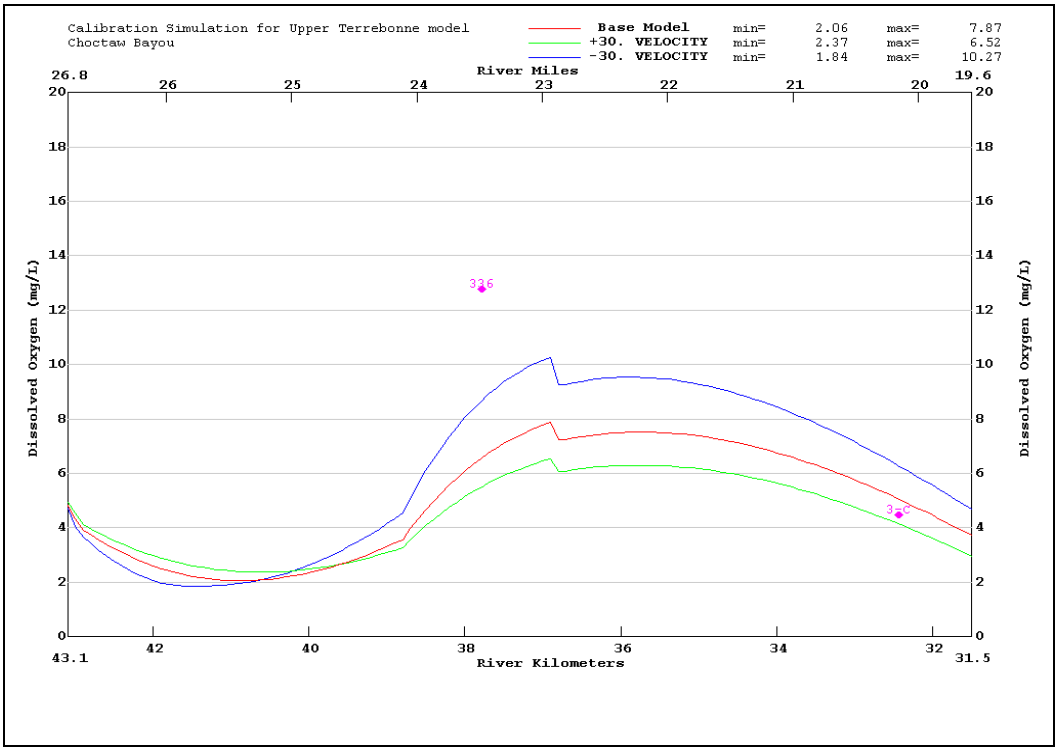

Figure H-24. DO sensitivity results (stream velocity) for subsegment 120103.

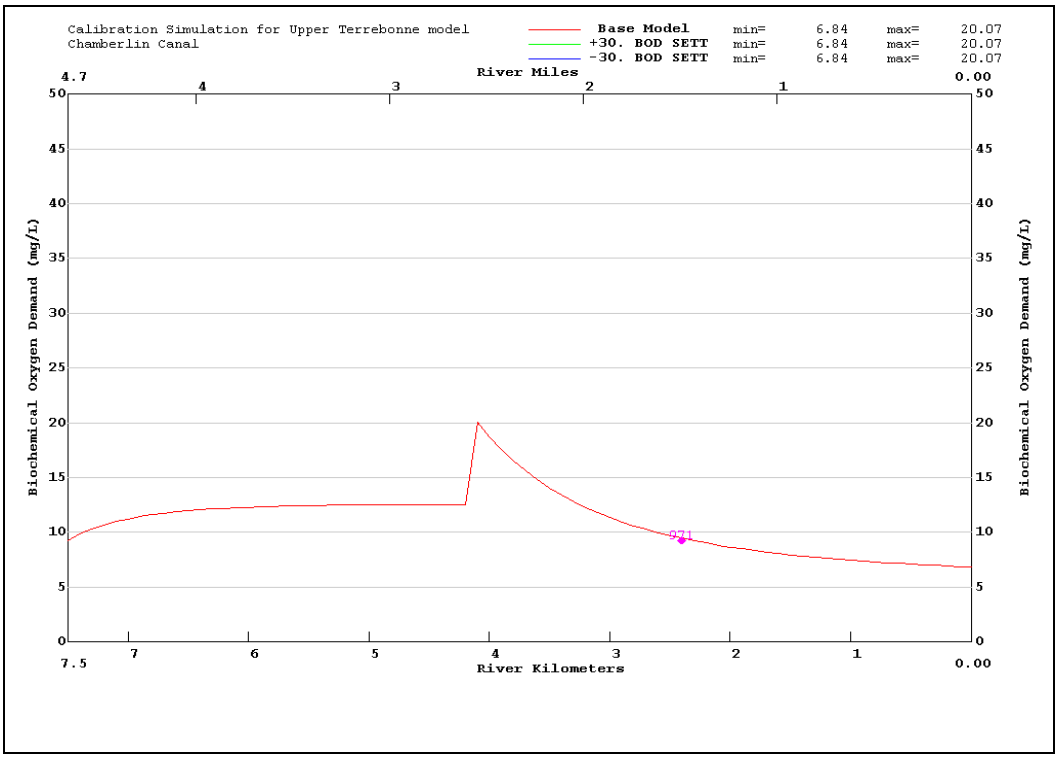

Figure H-25. BOD sensitivity results (BOD settling rate) for subsegment 120105.

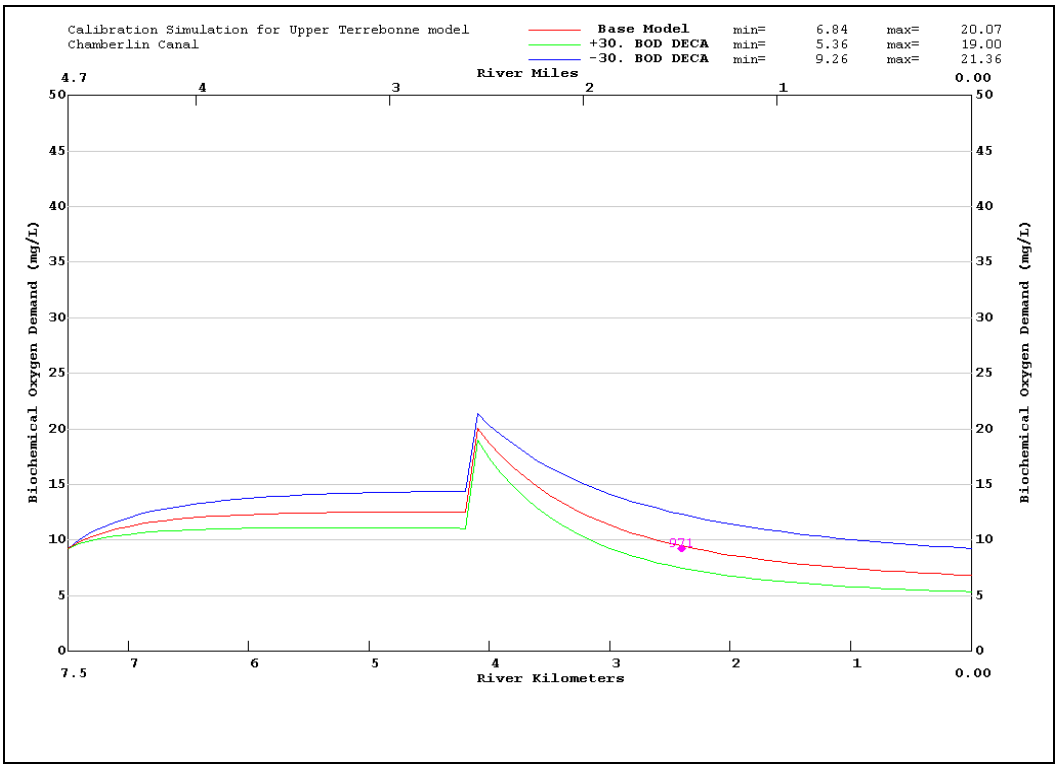

Figure H-26. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120105.

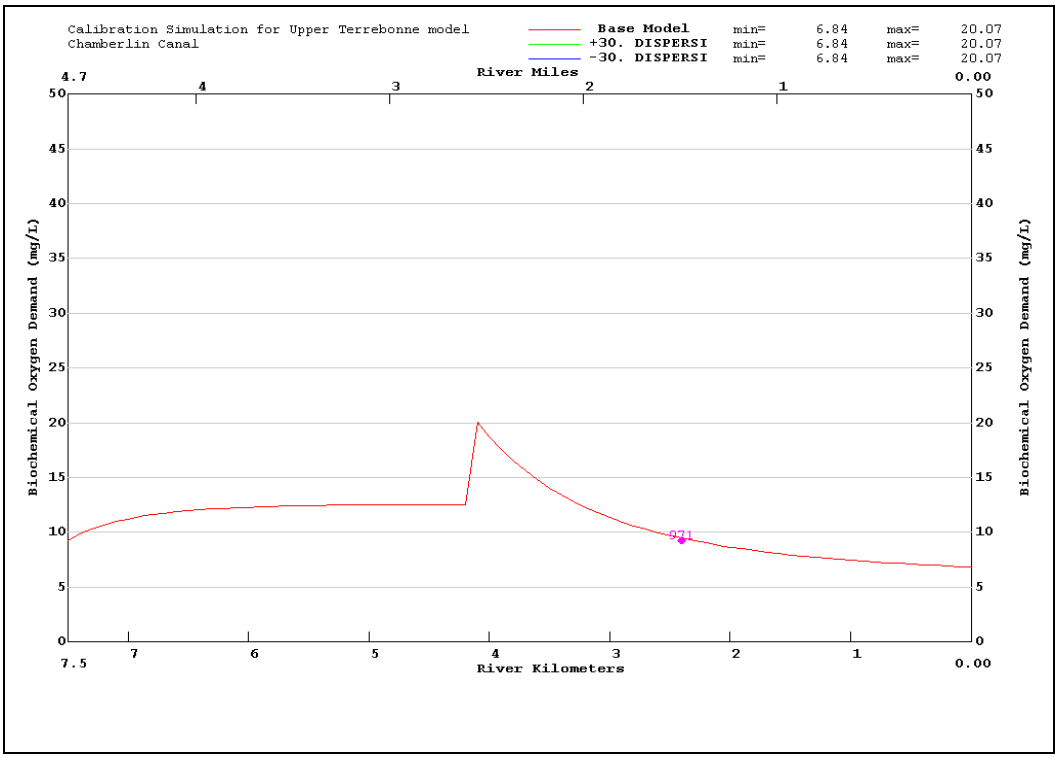

Figure H-27. BOD sensitivity results (dispersion) for subsegment 120105.

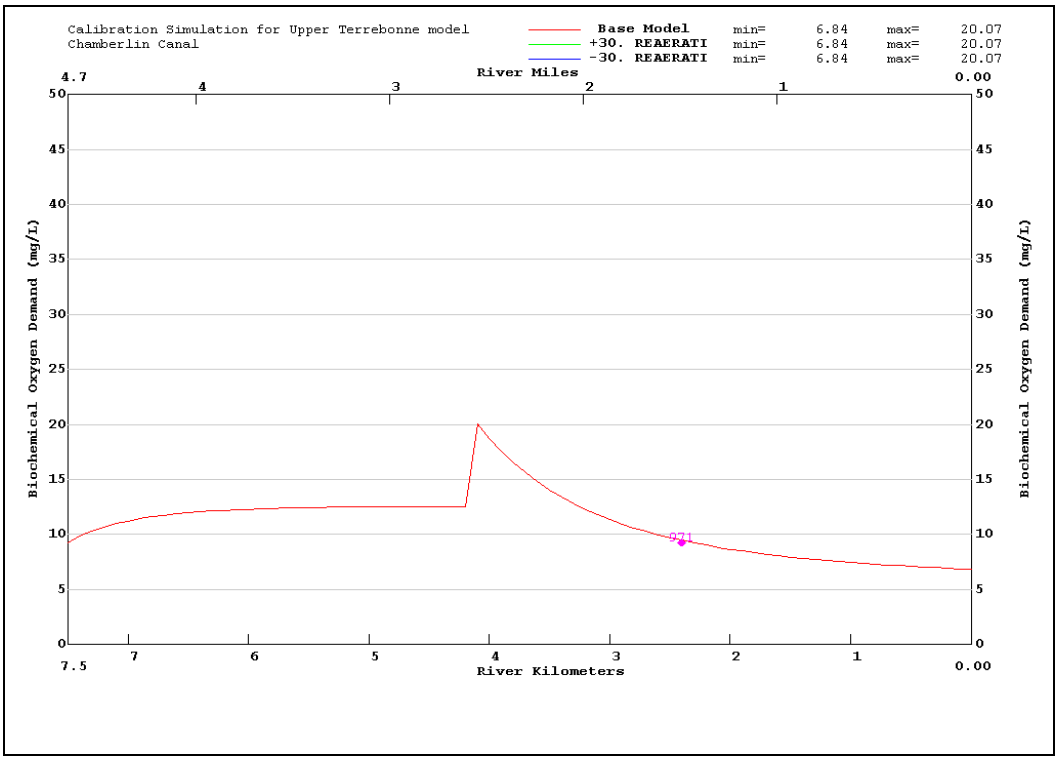

Figure H-28. BOD sensitivity results (reaeration) for subsegment 120105.

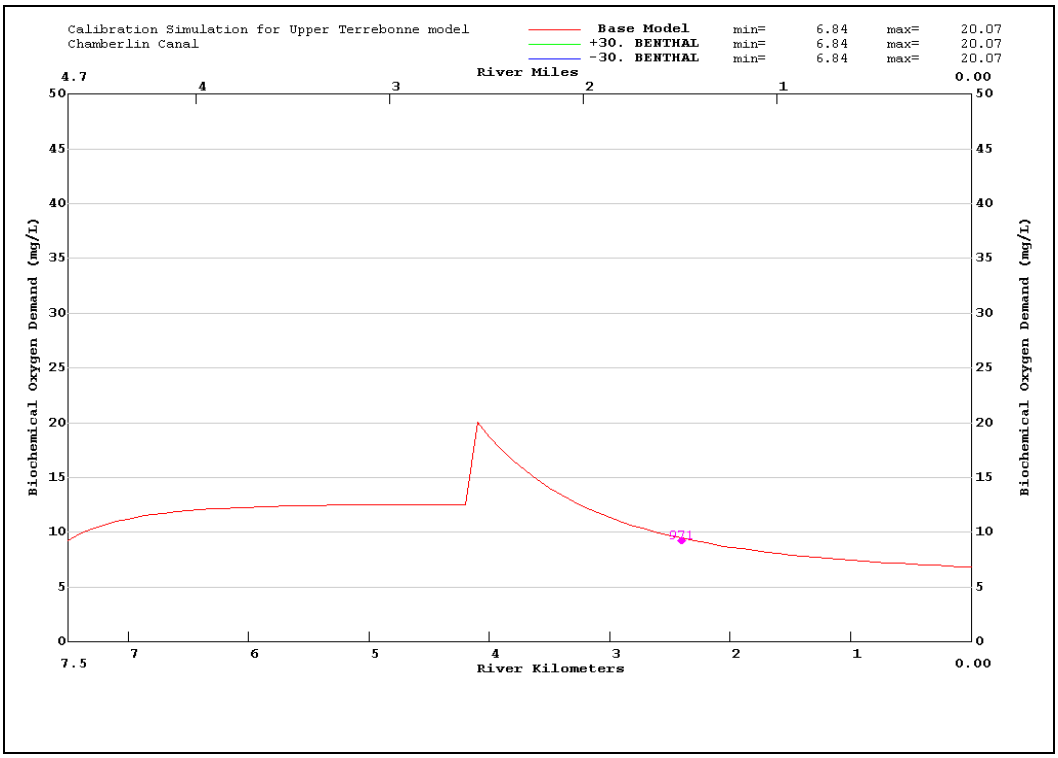

Figure H-29. BOD sensitivity results (background SOD) for subsegment 120105.

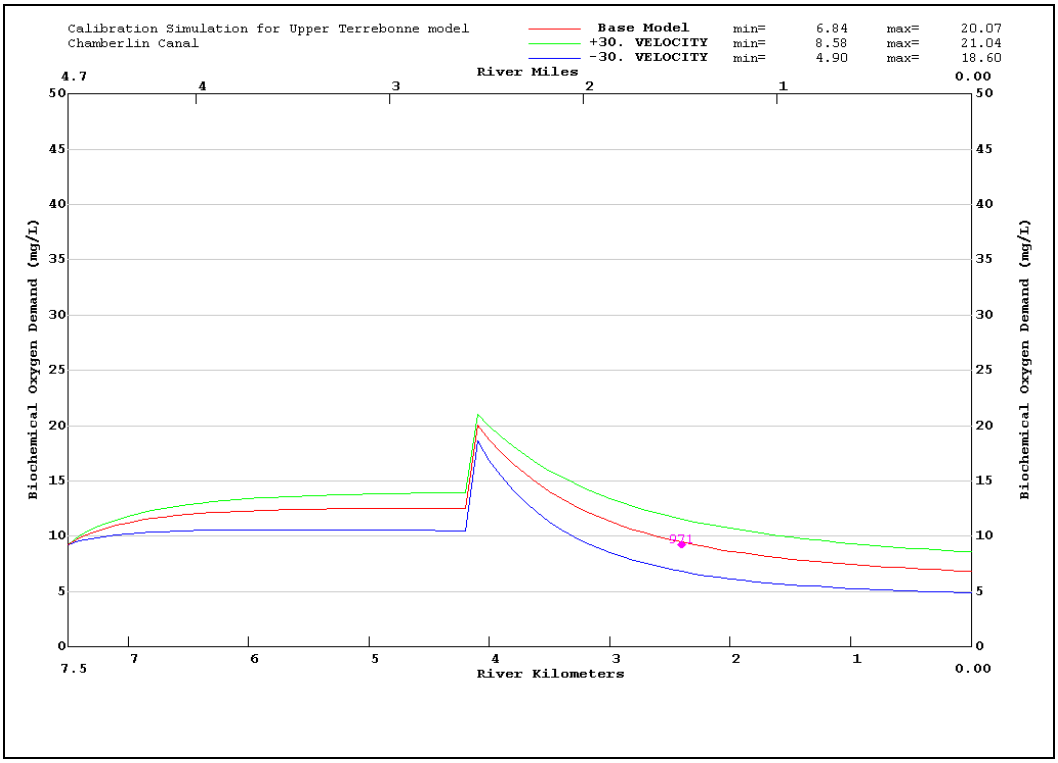

Figure H-30. BOD sensitivity results (stream velocity) for subsegment 120105.

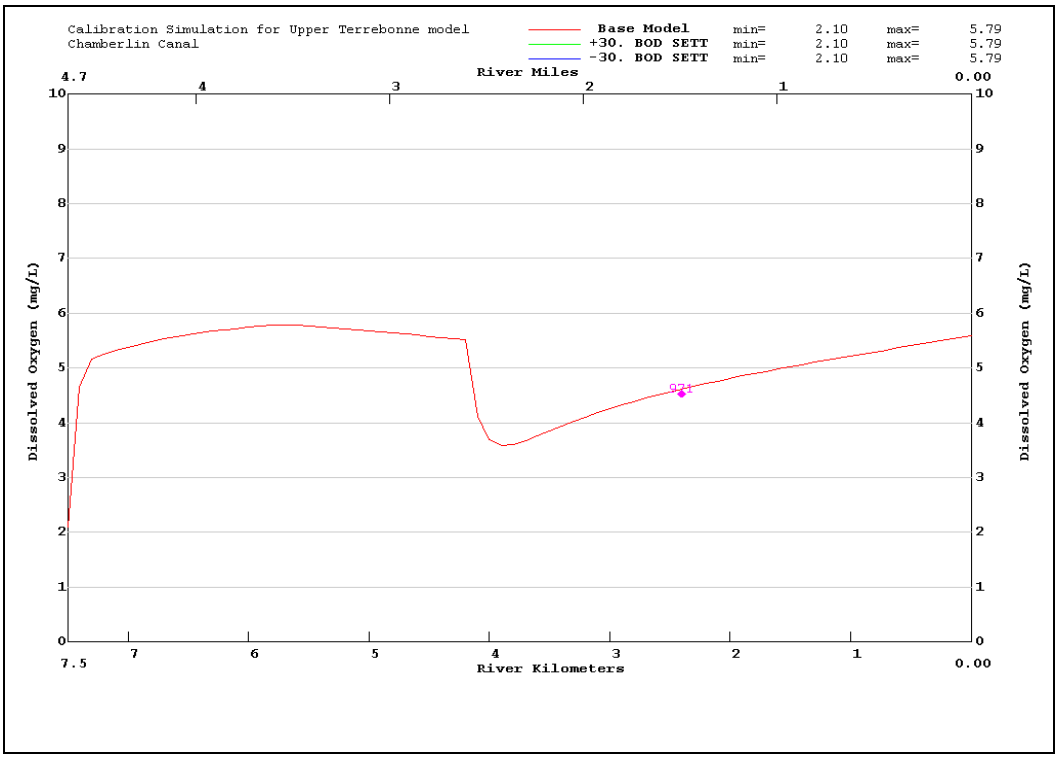

Figure H-31. DO sensitivity results (BOD settling rate) for subsegment 120105.

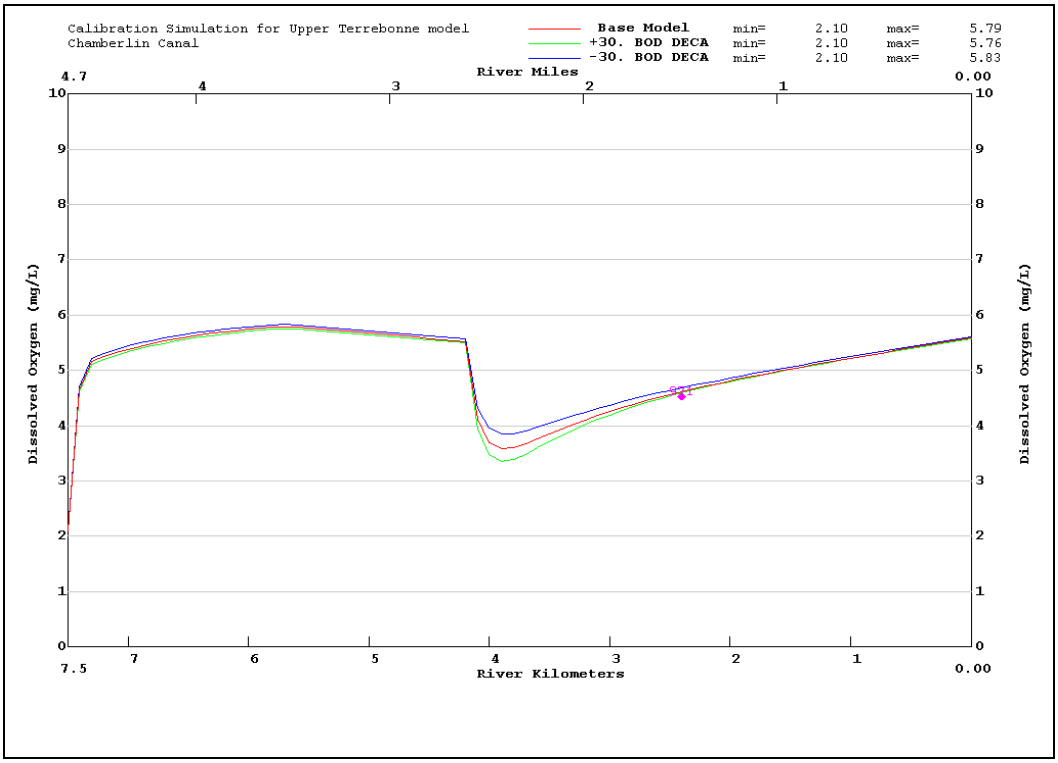

Figure H-32. DO sensitivity results (BOD aerobic decay rate) for subsegment 120105.

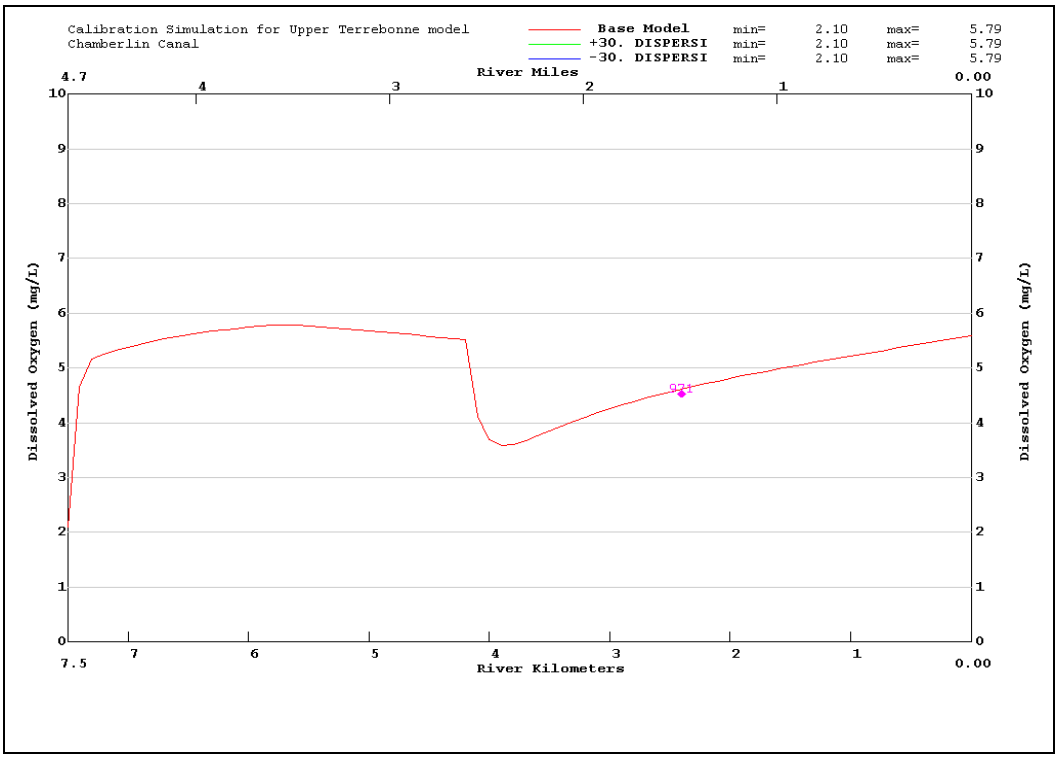

Figure H-33. DO sensitivity results (dispersion) for subsegment 120105.

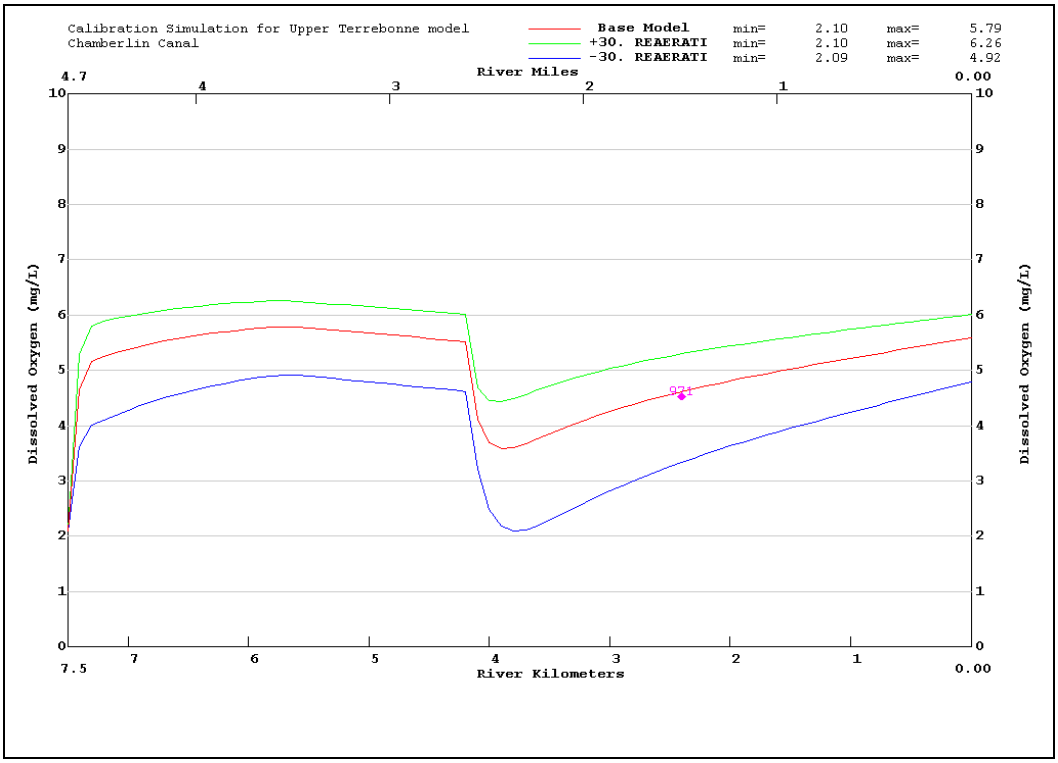

Figure H-34. DO sensitivity results (reaeration) for subsegment 120105.

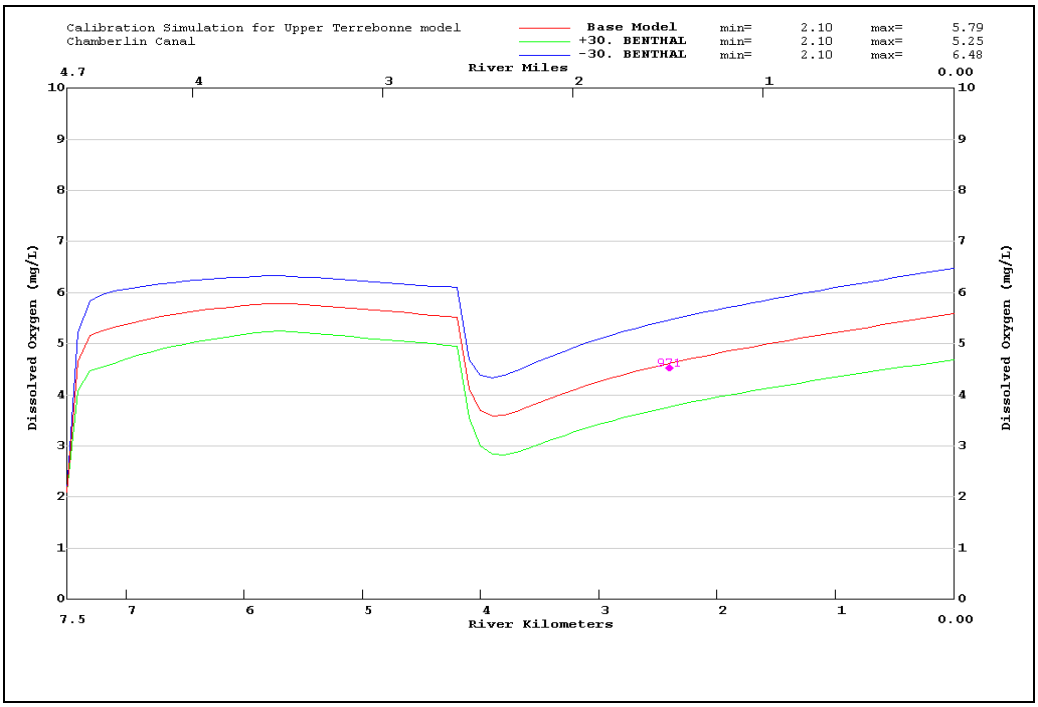

Figure H-35. DO sensitivity results (background SOD) for subsegment 120105.

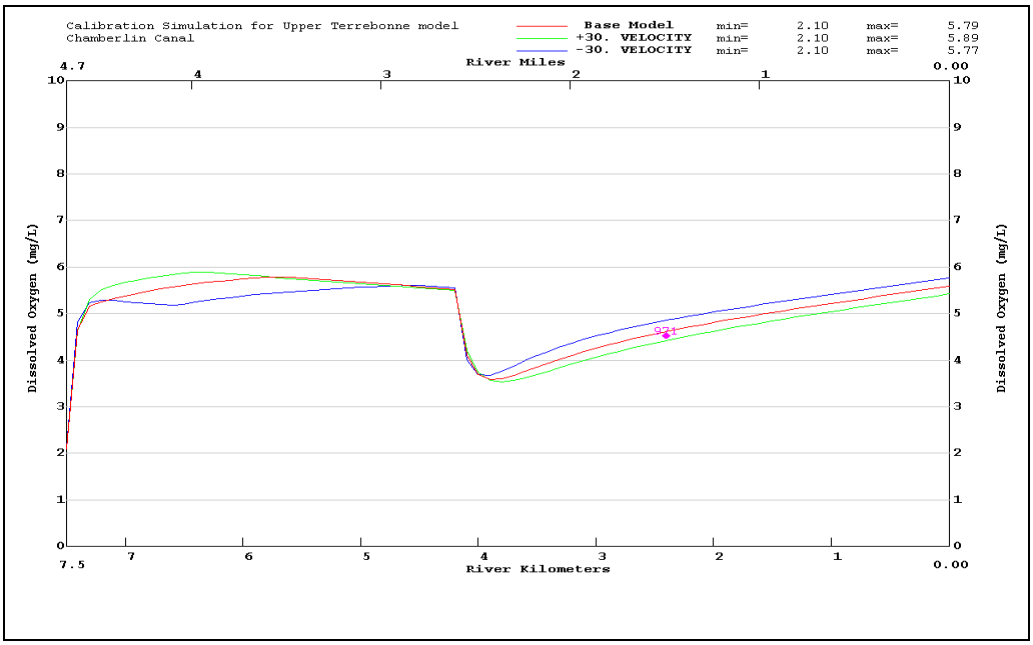

Figure H-36. DO sensitivity results (stream velocity) for subsegment 120105.

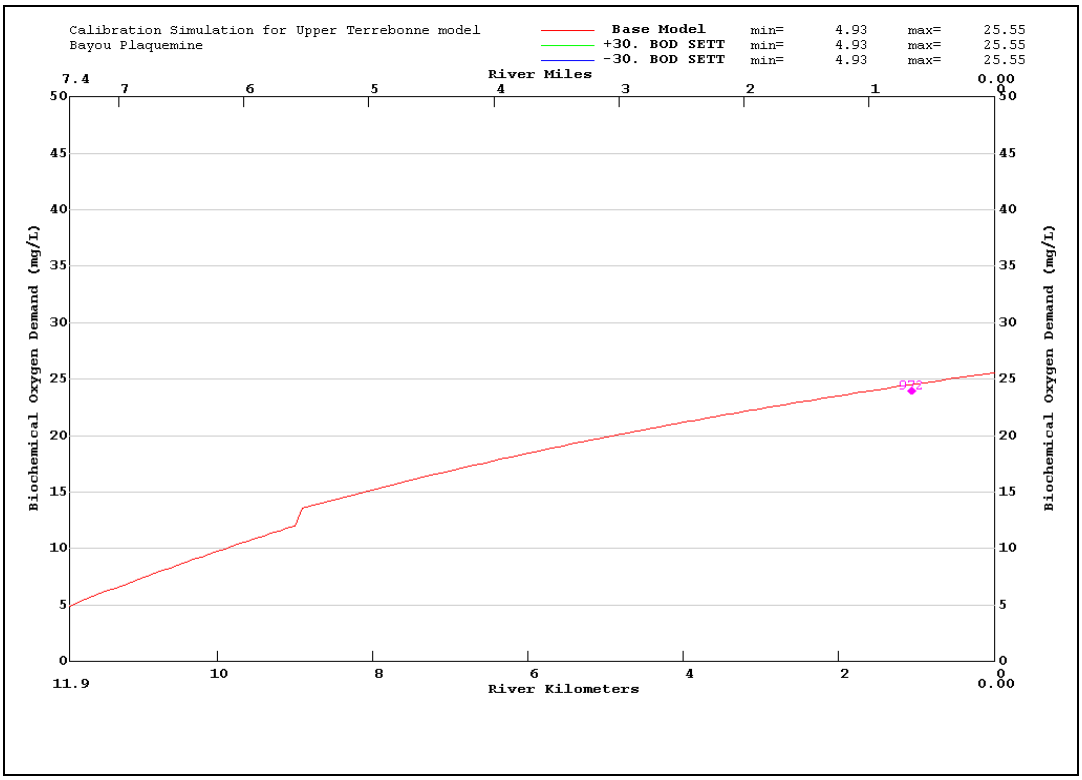

Figure H-37. BOD sensitivity results (BOD settling rate) for subsegment 120106.

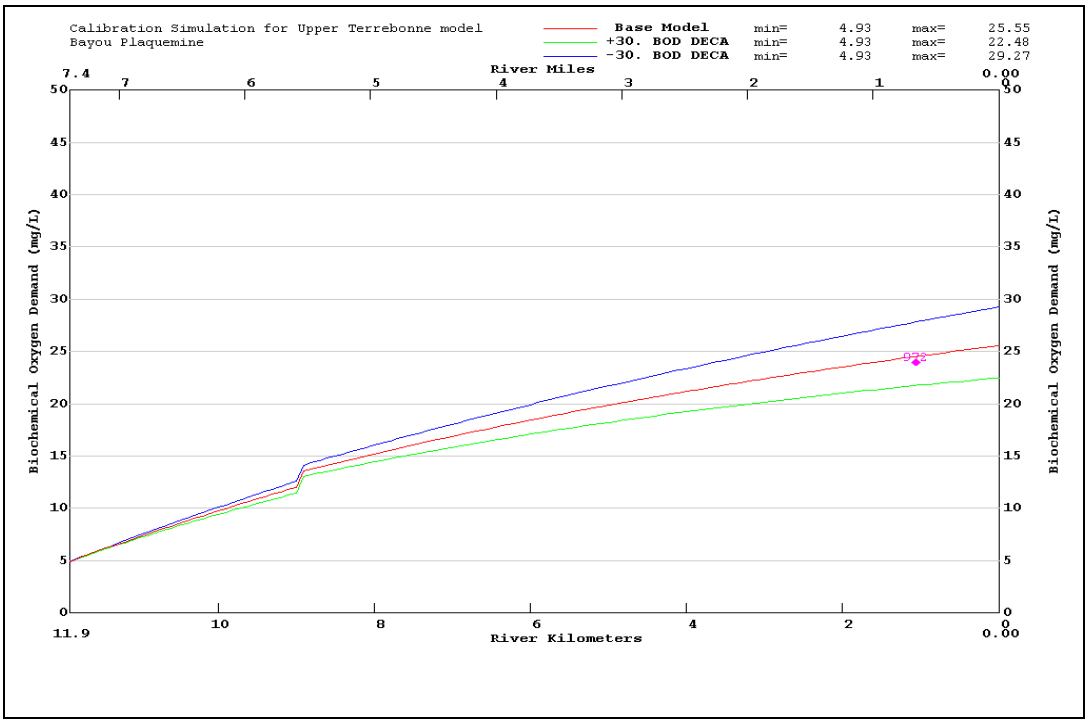

Figure H-38. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120106.

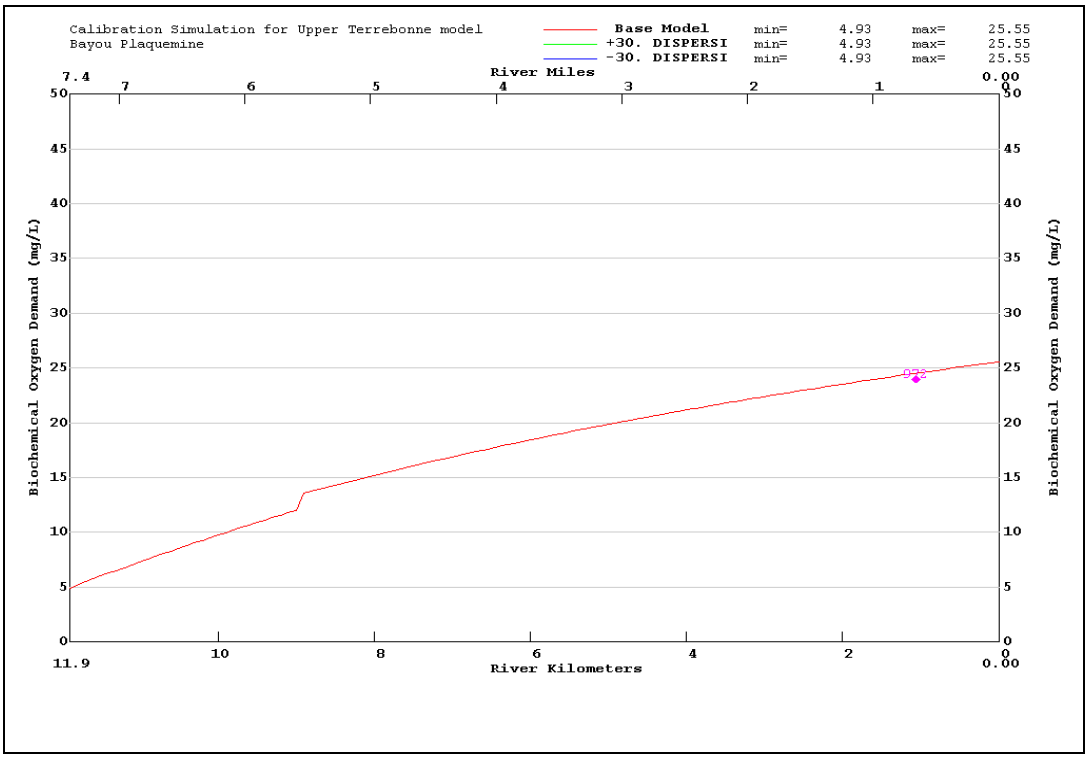

Figure H-39. BOD sensitivity results (dispersion) for subsegment 120106.

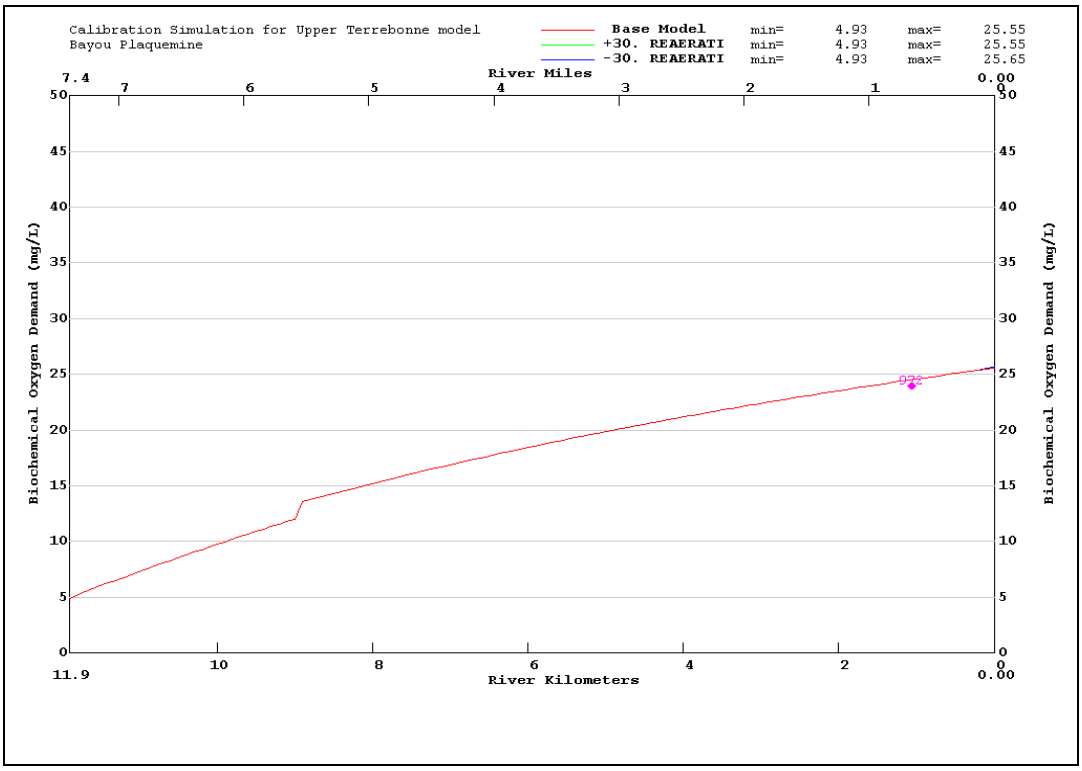

Figure H-40. BOD sensitivity results (reaeration) for subsegment 120106.

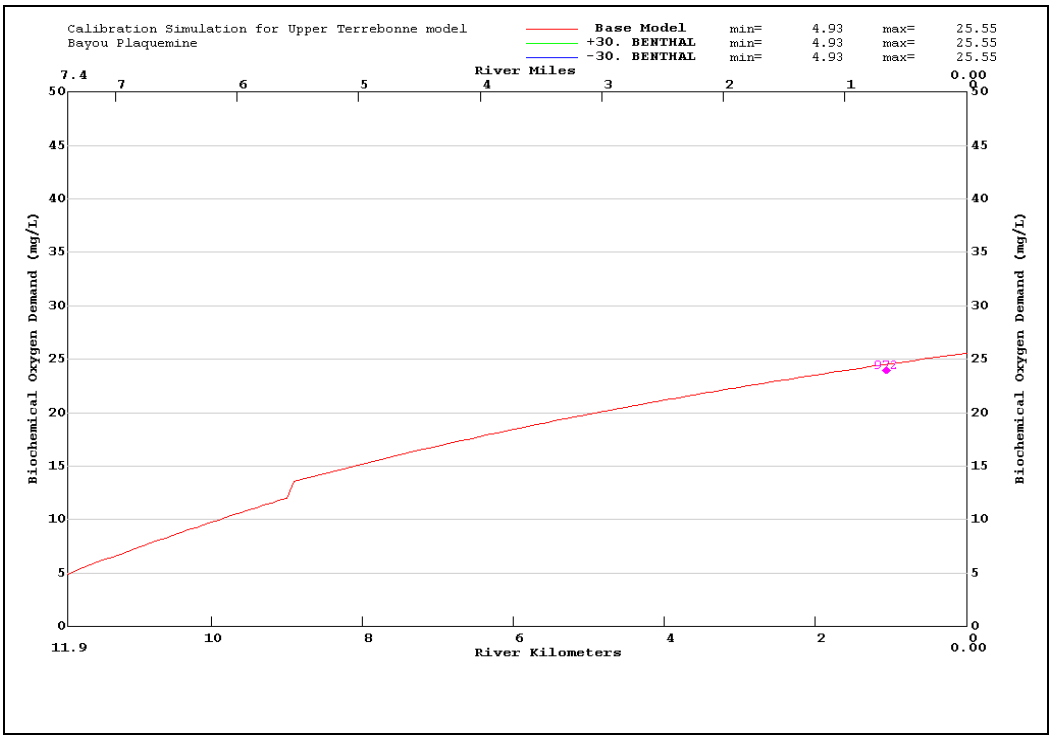

Figure H-41. BOD sensitivity results (background SOD) for subsegment 120106.

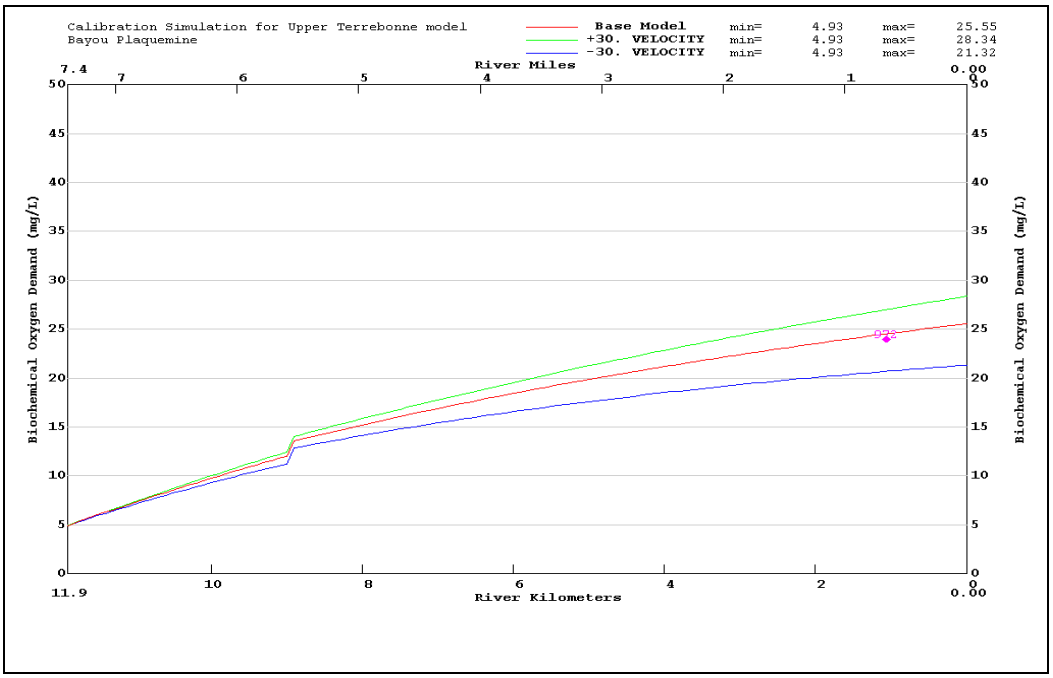

Figure H-42. BOD sensitivity results (stream velocity) for subsegment 120106.

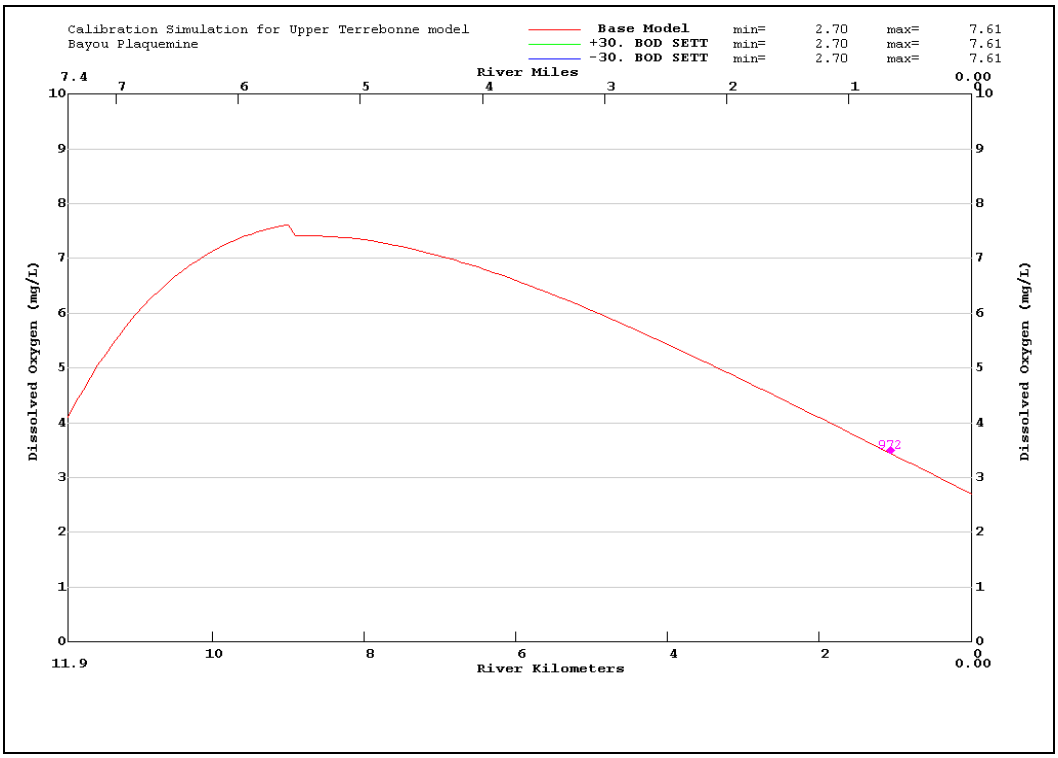

Figure H-43. DO sensitivity results (BOD settling rate) for subsegment 120106.

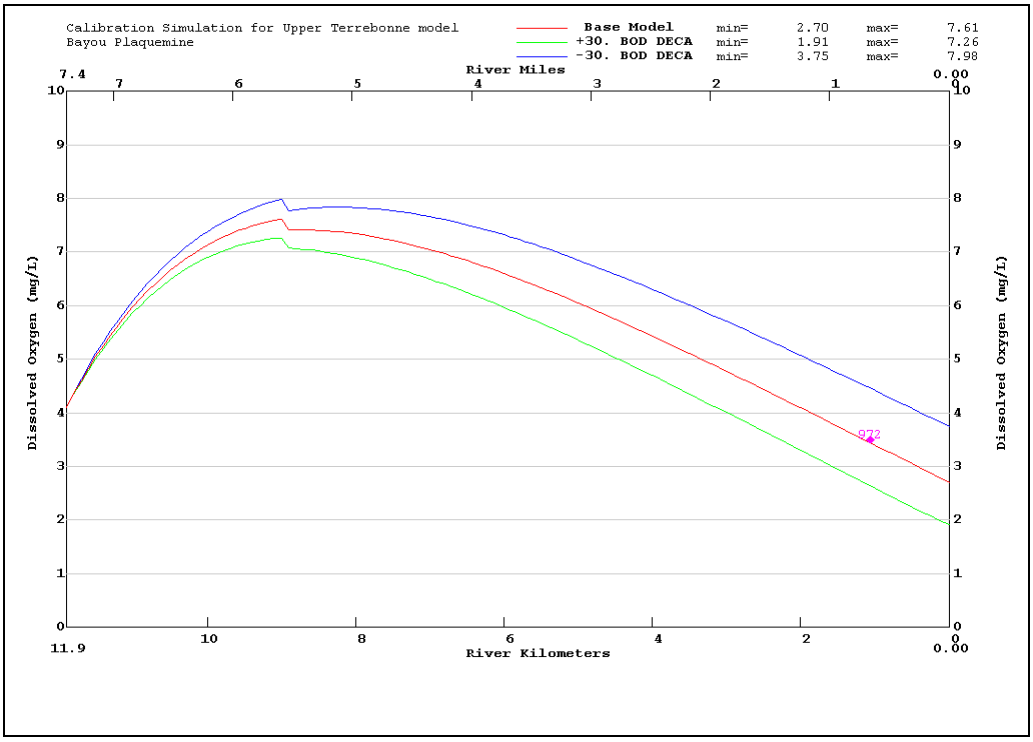

Figure H-44. DO sensitivity results (BOD aerobic decay rate) for subsegment 120106.

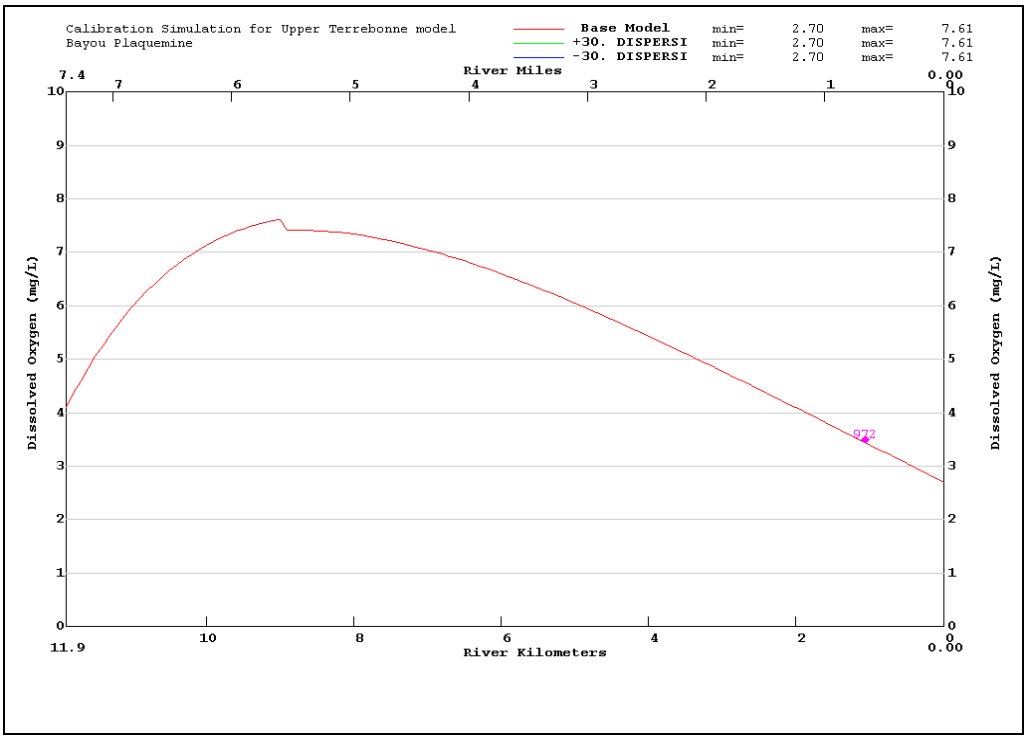

Figure H-45. DO sensitivity results (dispersion) for subsegment 120106.

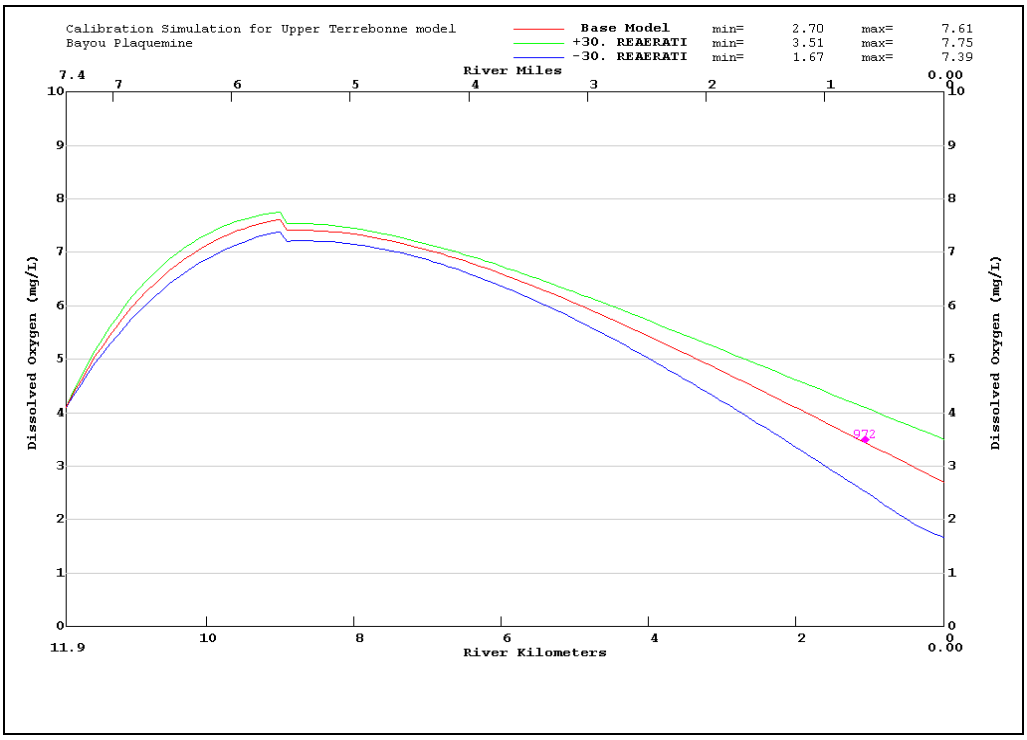

Figure H-46. DO sensitivity results (reaeration) for subsegment 120106.

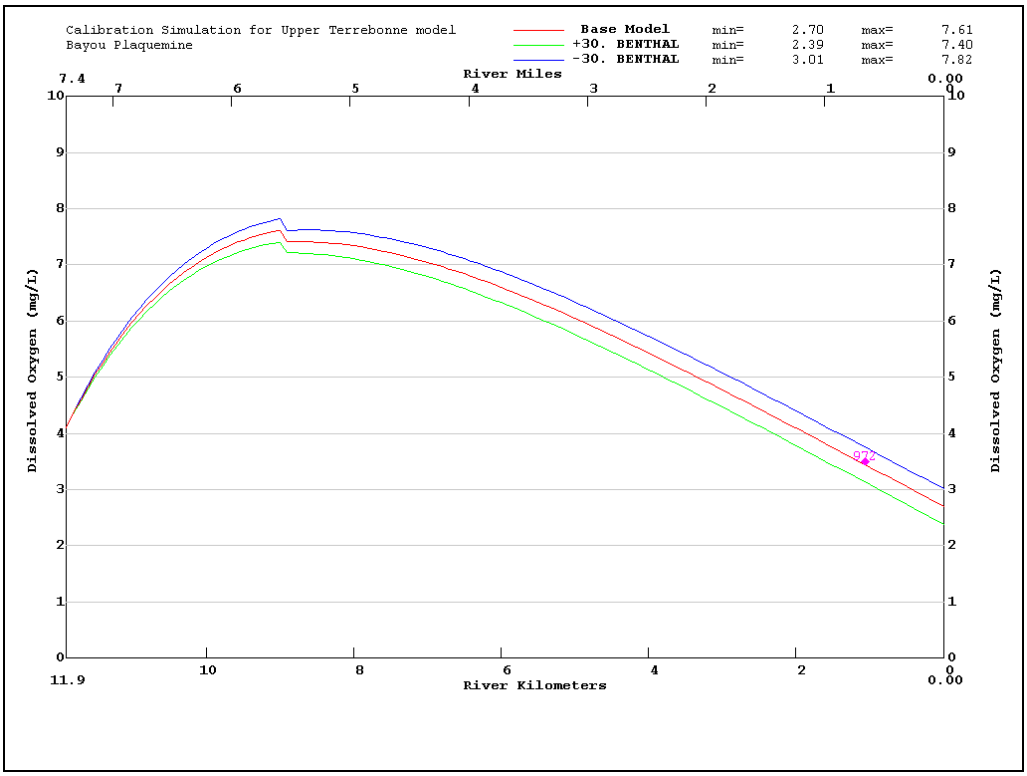

Figure H-47. DO sensitivity results (background SOD) for subsegment 120106.

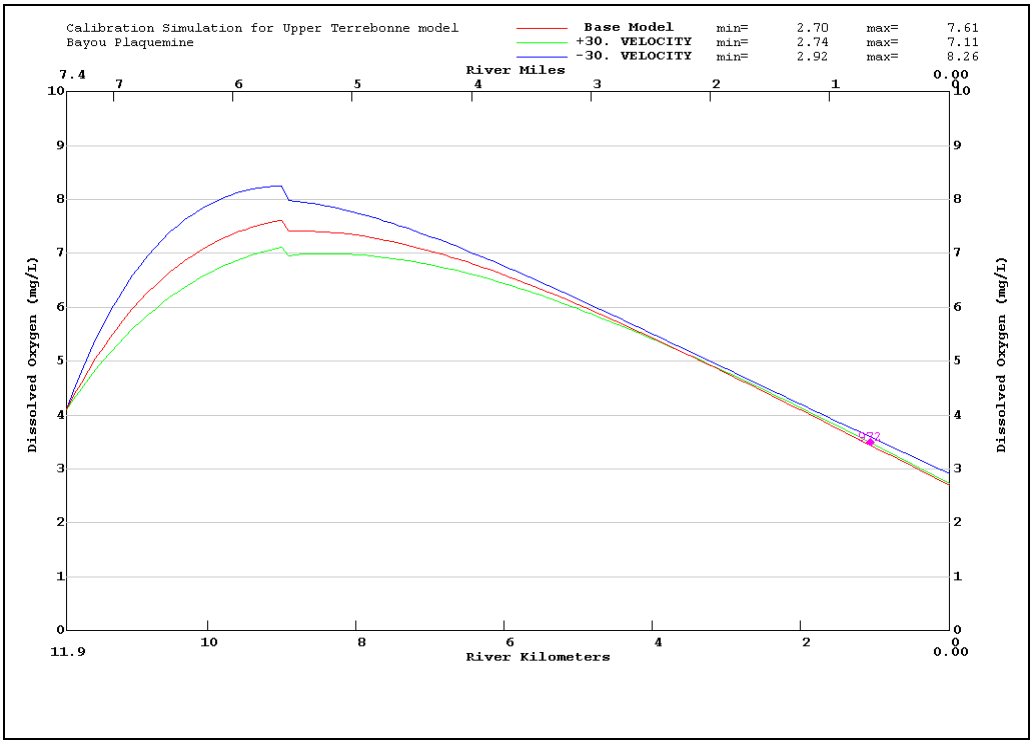

Figure H-48. DO sensitivity results (stream velocity) for subsegment 120106.

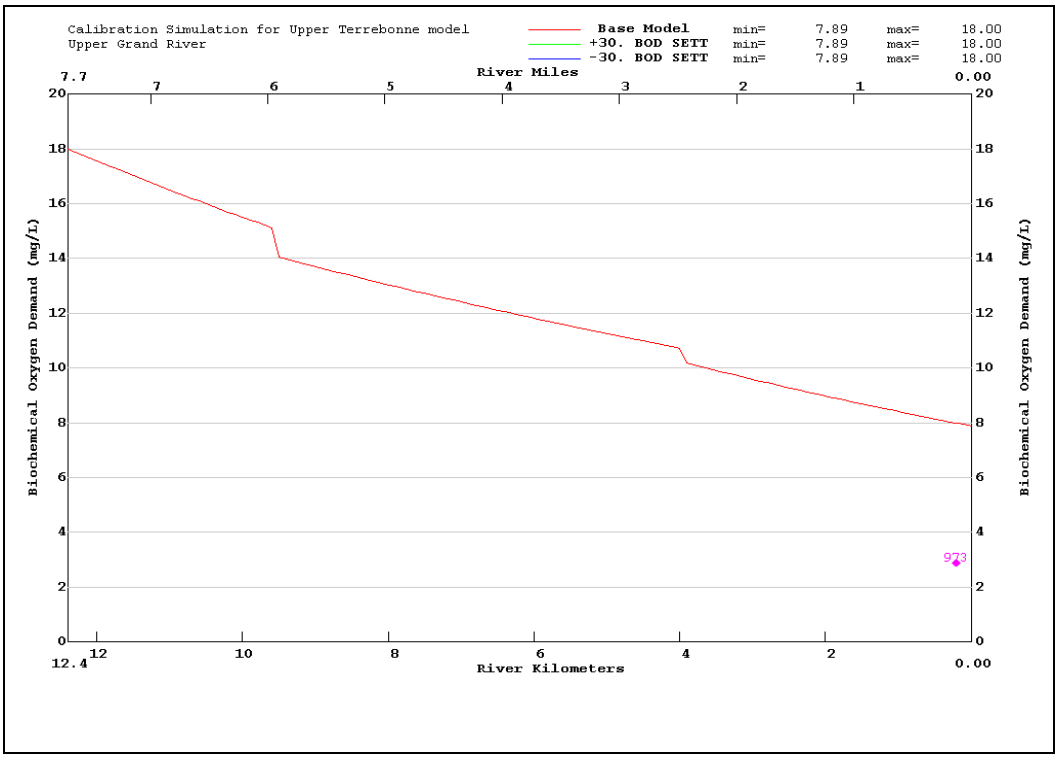

Figure H-49. BOD sensitivity results (BOD settling rate) for subsegment 120107.

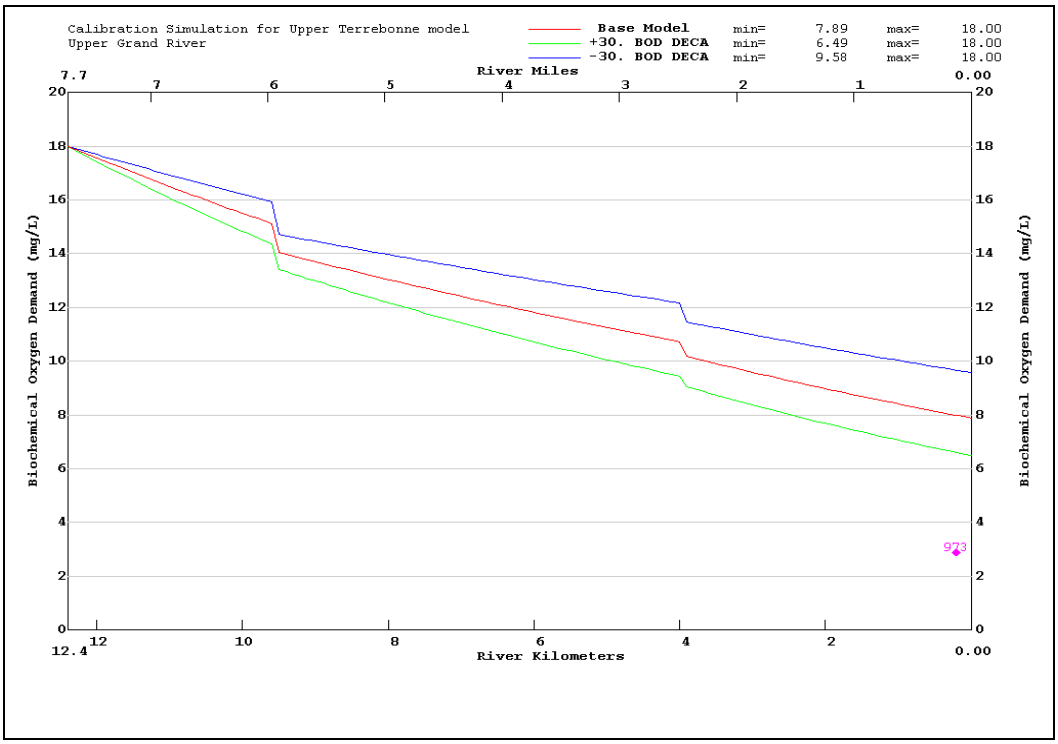

Figure H-50. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120107.

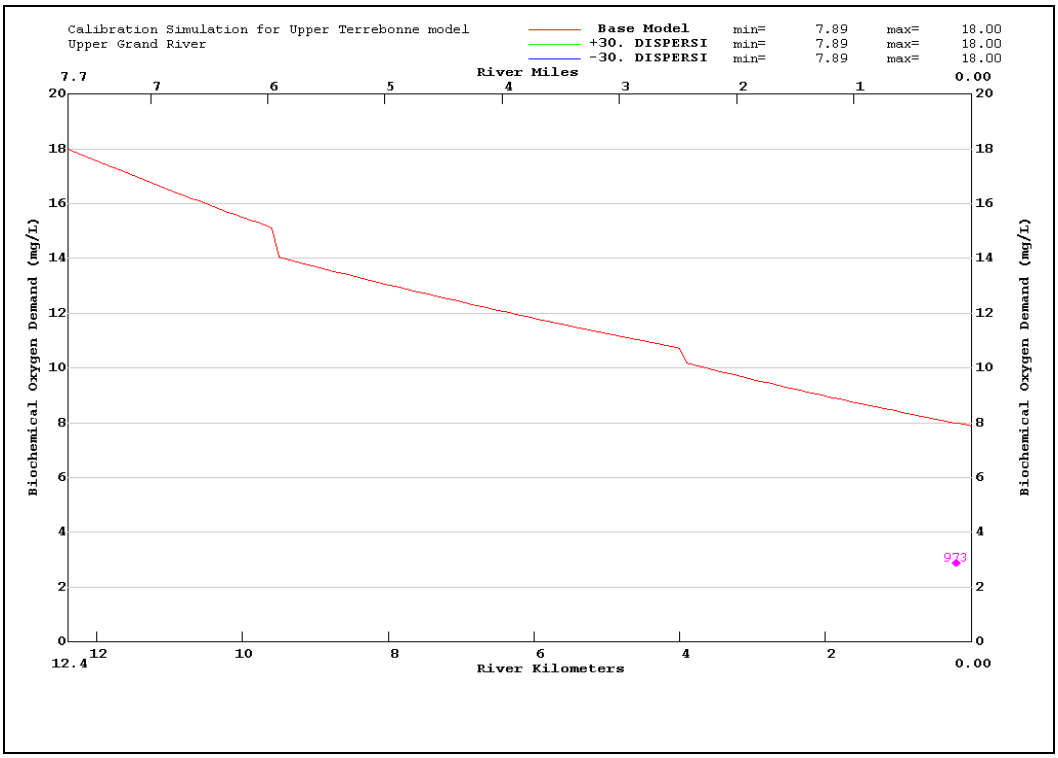

Figure H-51. BOD sensitivity results (dispersion) for subsegment 120107.

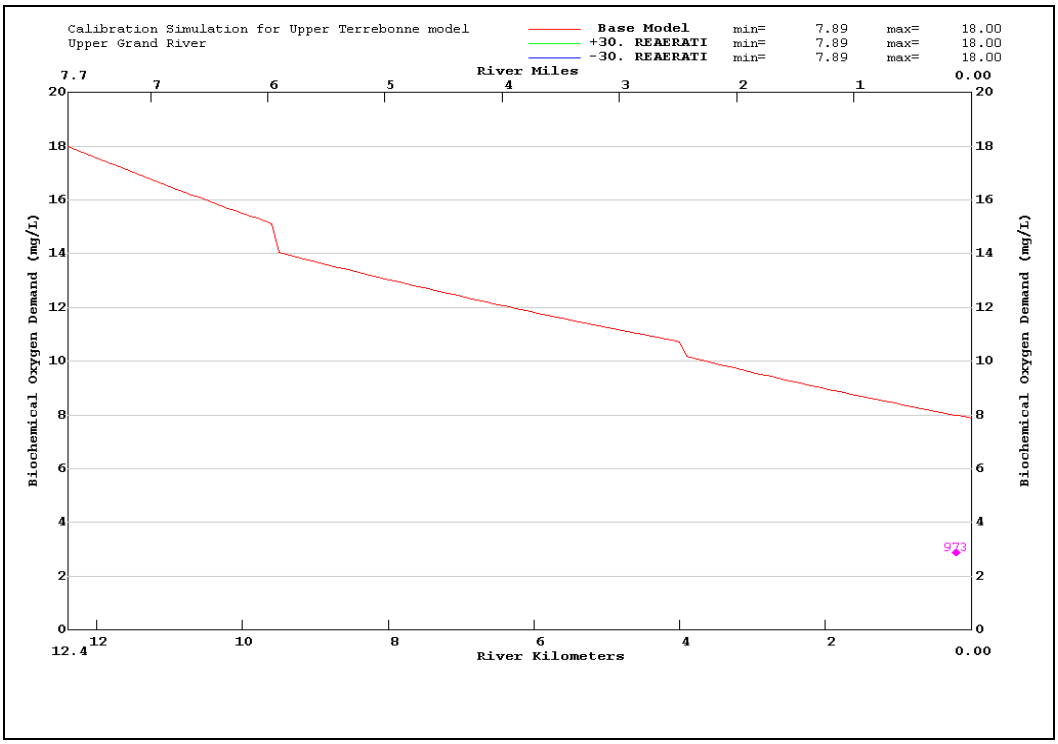

Figure H-52. BOD sensitivity results (reaeration) for subsegment 120107.

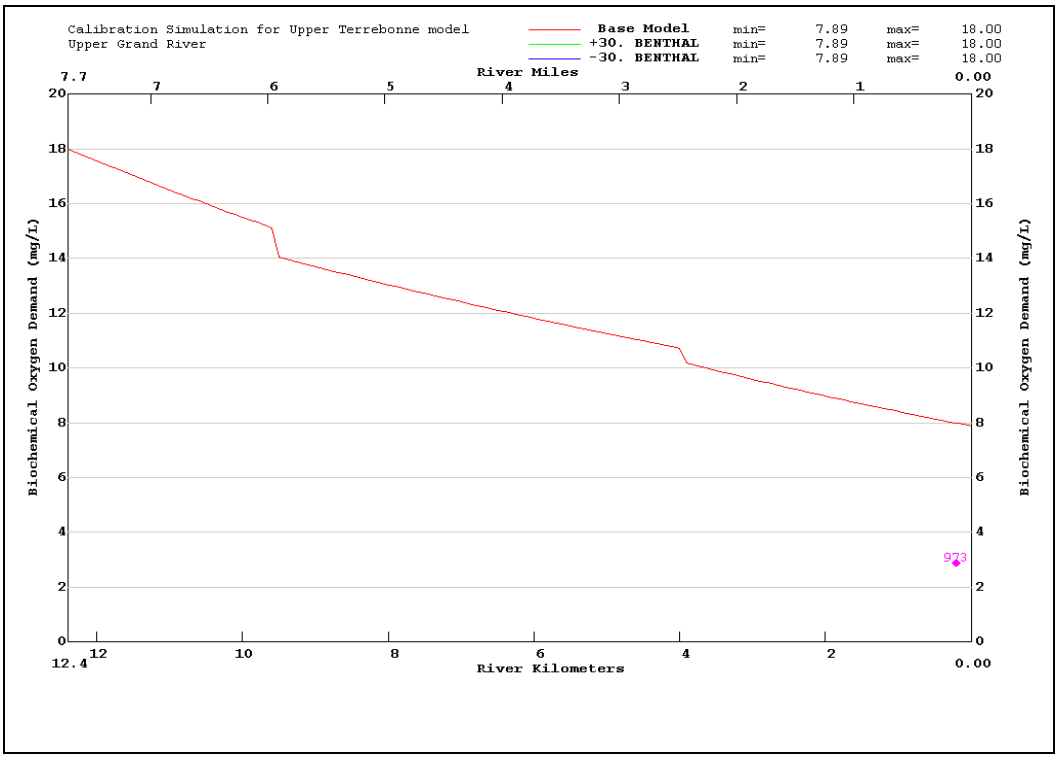

Figure H-53. BOD sensitivity results (background SOD) for subsegment 120107.

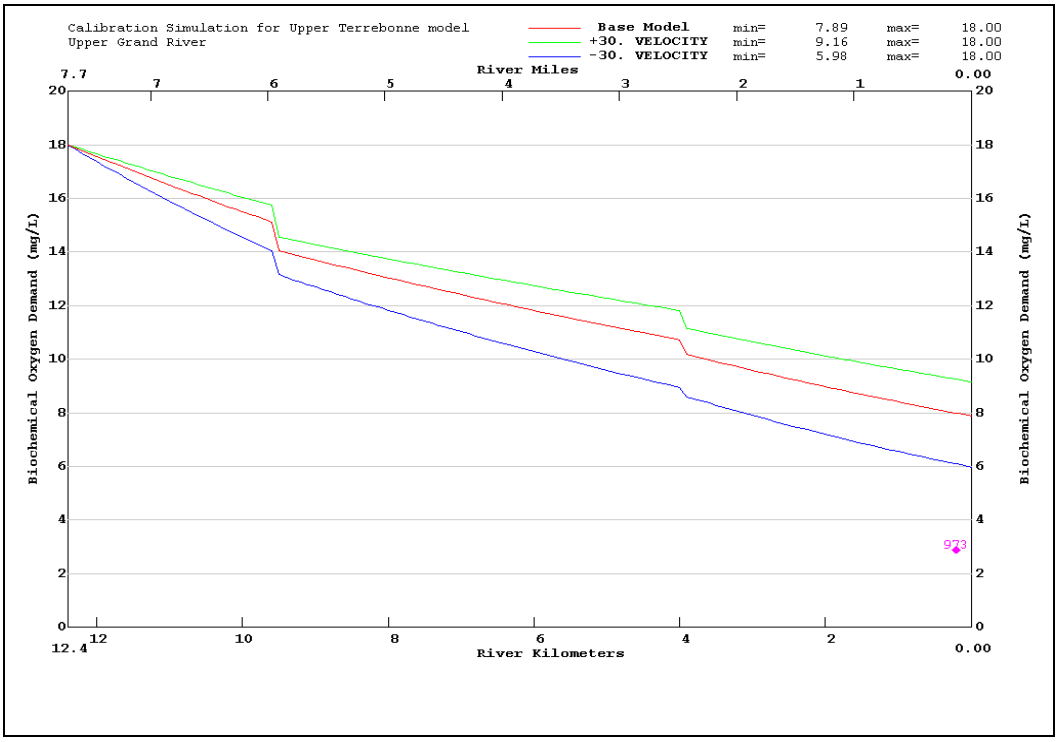

Figure H-54. BOD sensitivity results (stream velocity) for subsegment 120107.

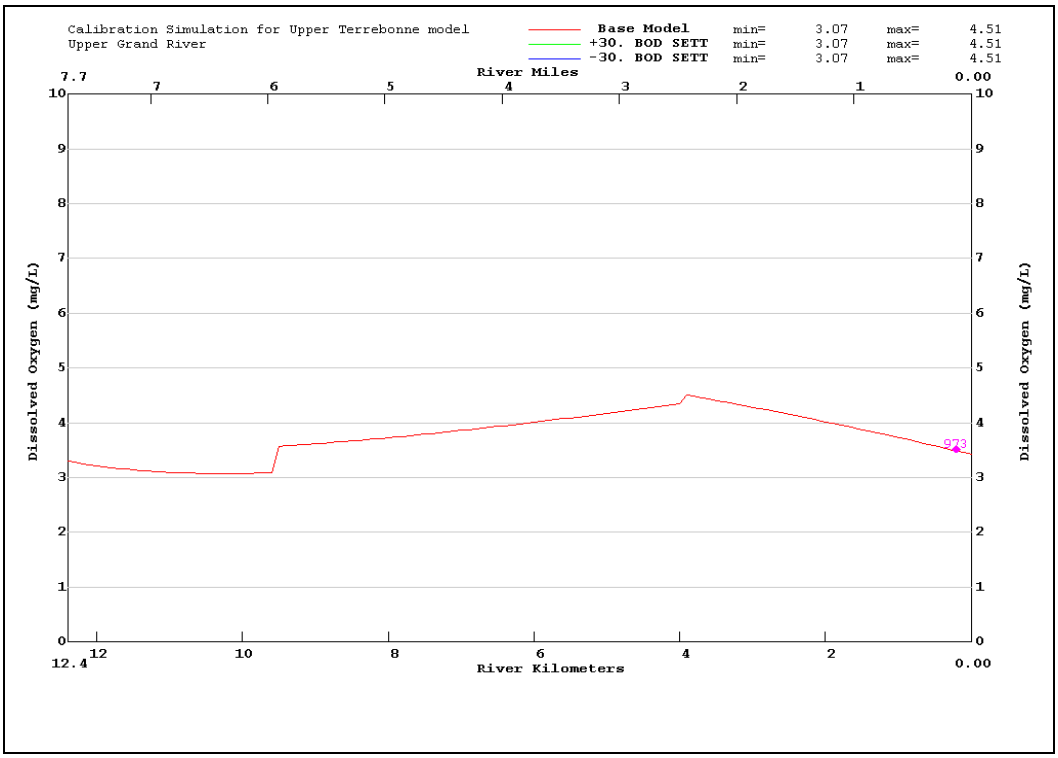

Figure H-55. DO sensitivity results (BOD settling rate) for subsegment 120107.

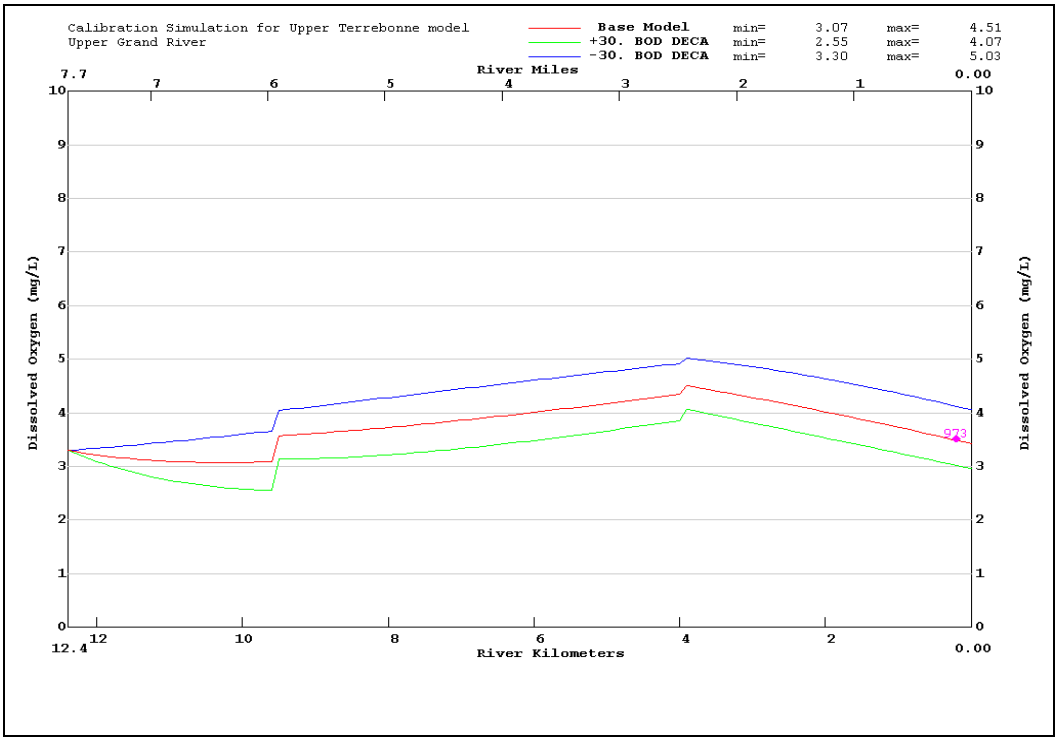

Figure H-56. DO sensitivity results (BOD aerobic decay rate) for subsegment 120107.

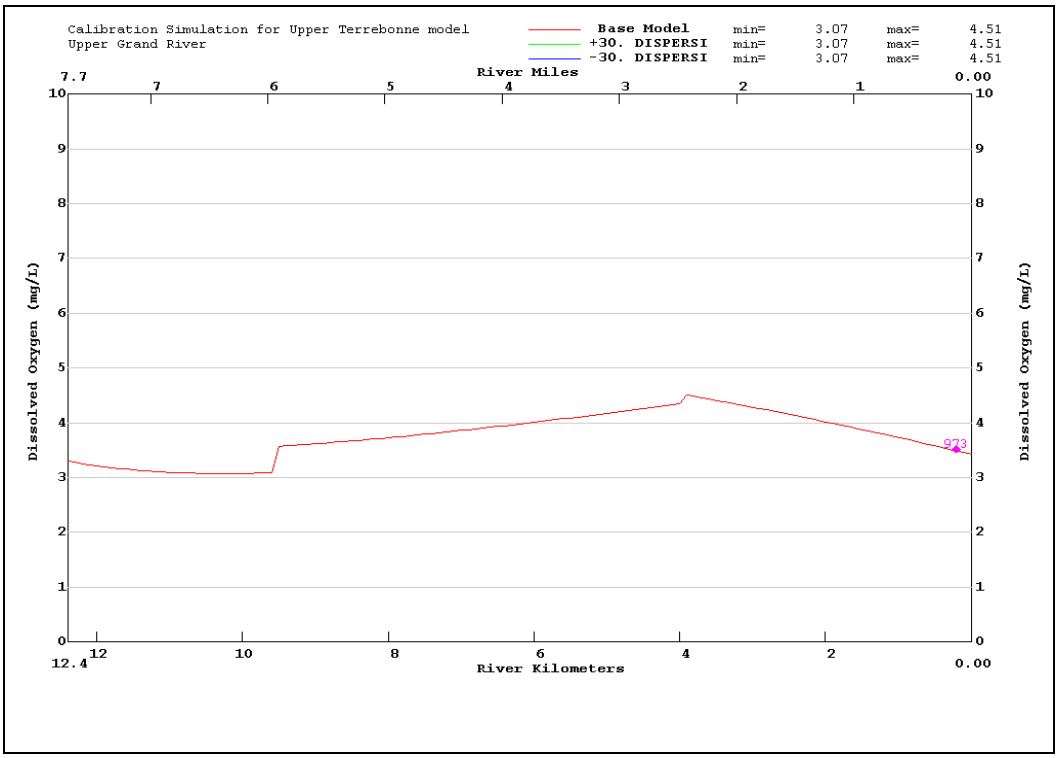

Figure H-57. DO sensitivity results (dispersion) for subsegment 120107.

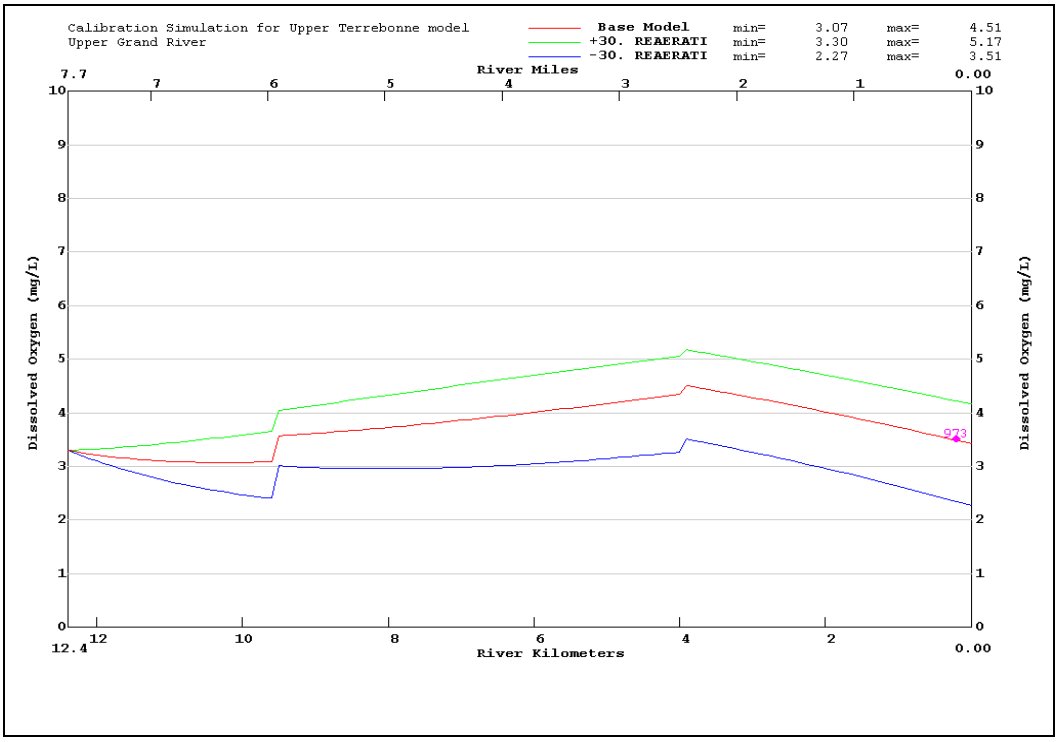

Figure H-58. DO sensitivity results (reaeration) for subsegment 120107.

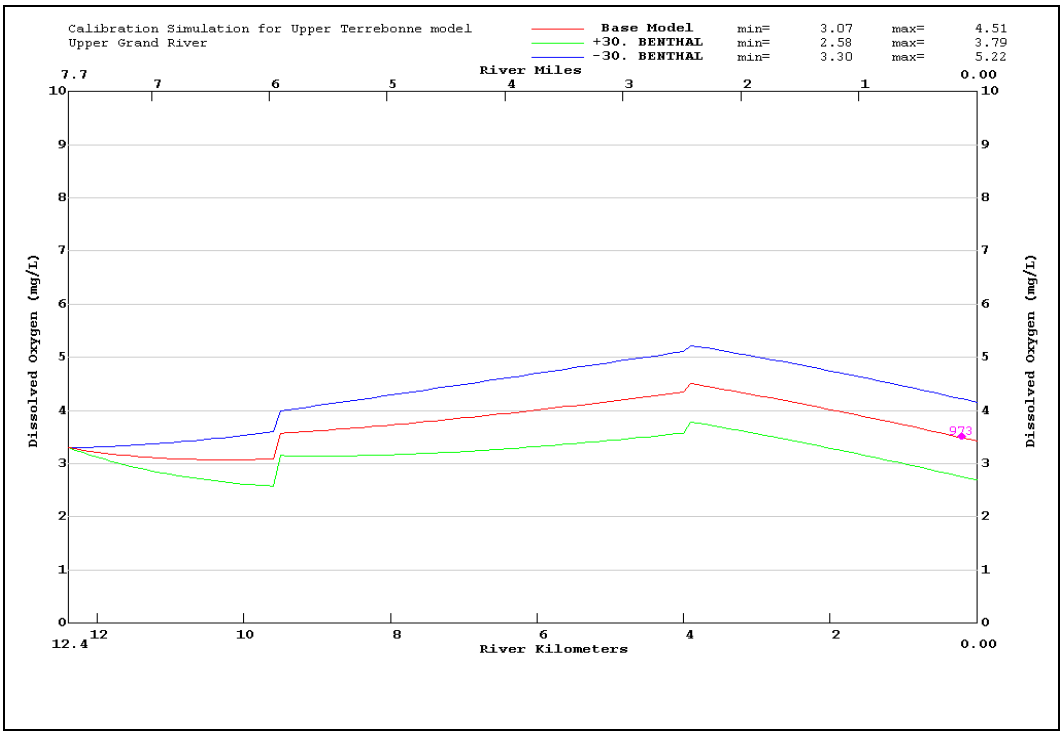

Figure H-59. DO sensitivity results (background SOD) for subsegment 120107.

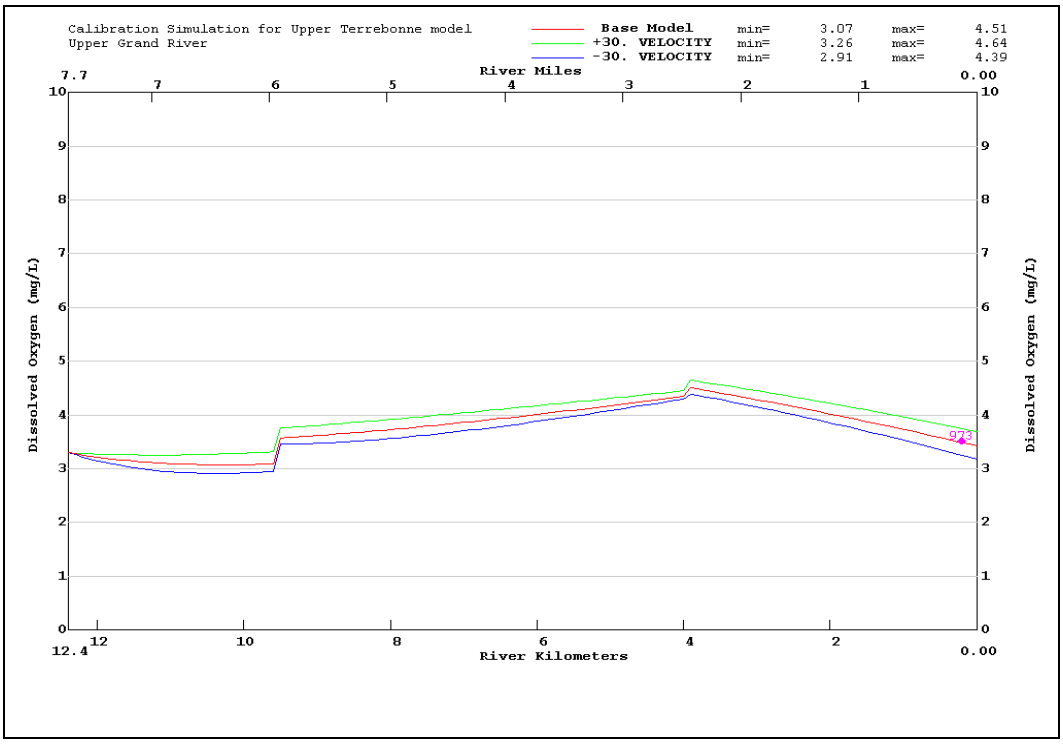

Figure H-60. DO sensitivity results (stream velocity) for subsegment 120107.

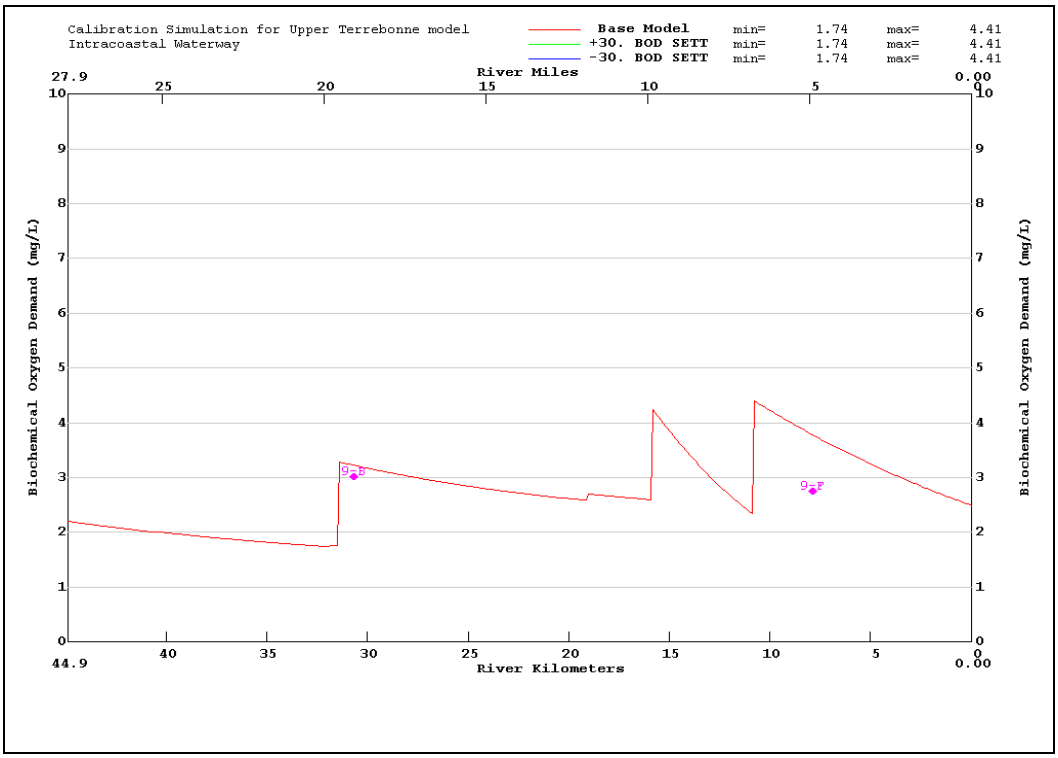

Figure H-61. BOD sensitivity results (BOD settling rate) for subsegment 120109.

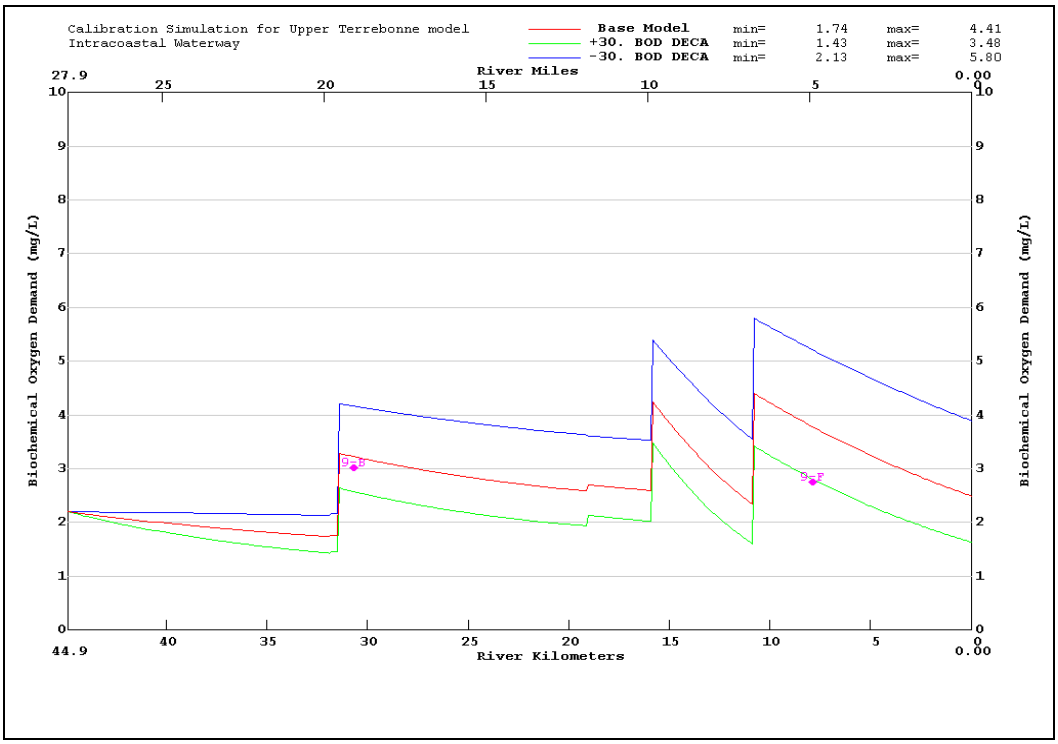

Figure H-62. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120109.

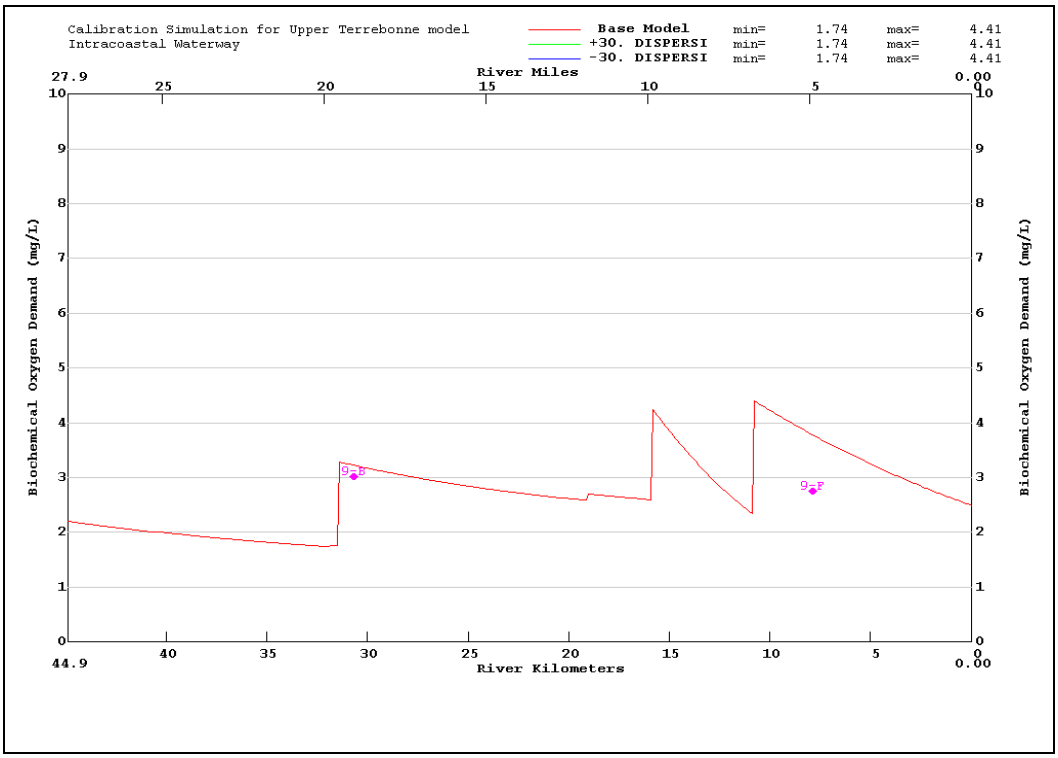

Figure H-63. BOD sensitivity results (dispersion) for subsegment 120109.

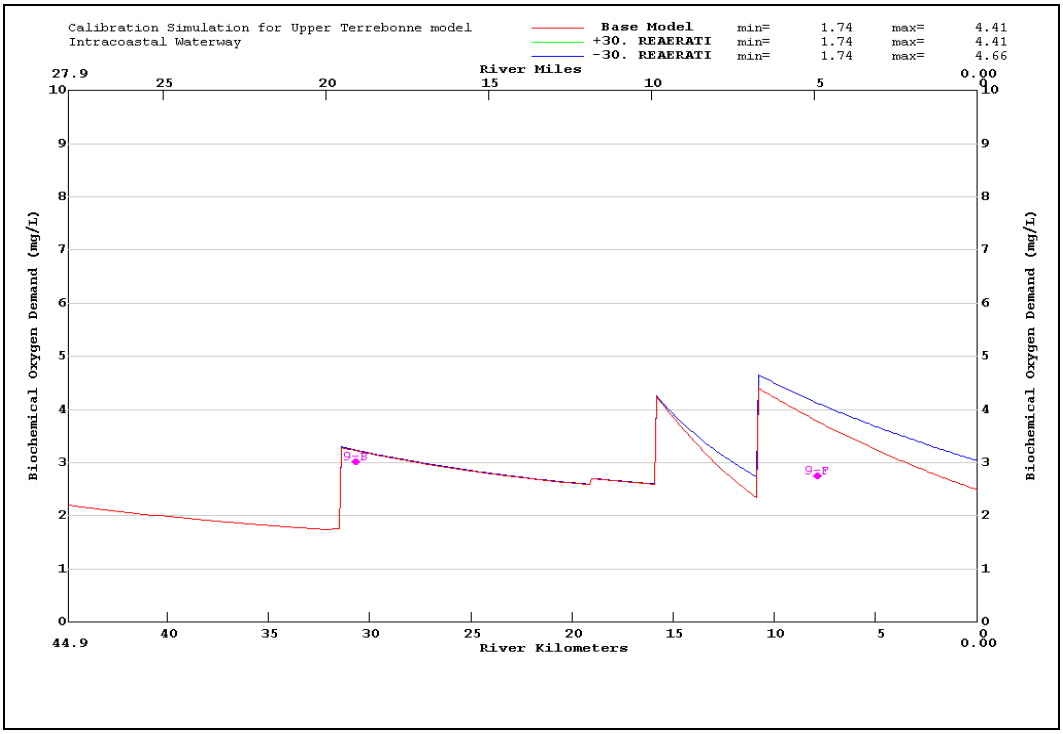

Figure H-64. BOD sensitivity results (reaeration) for subsegment 120109.

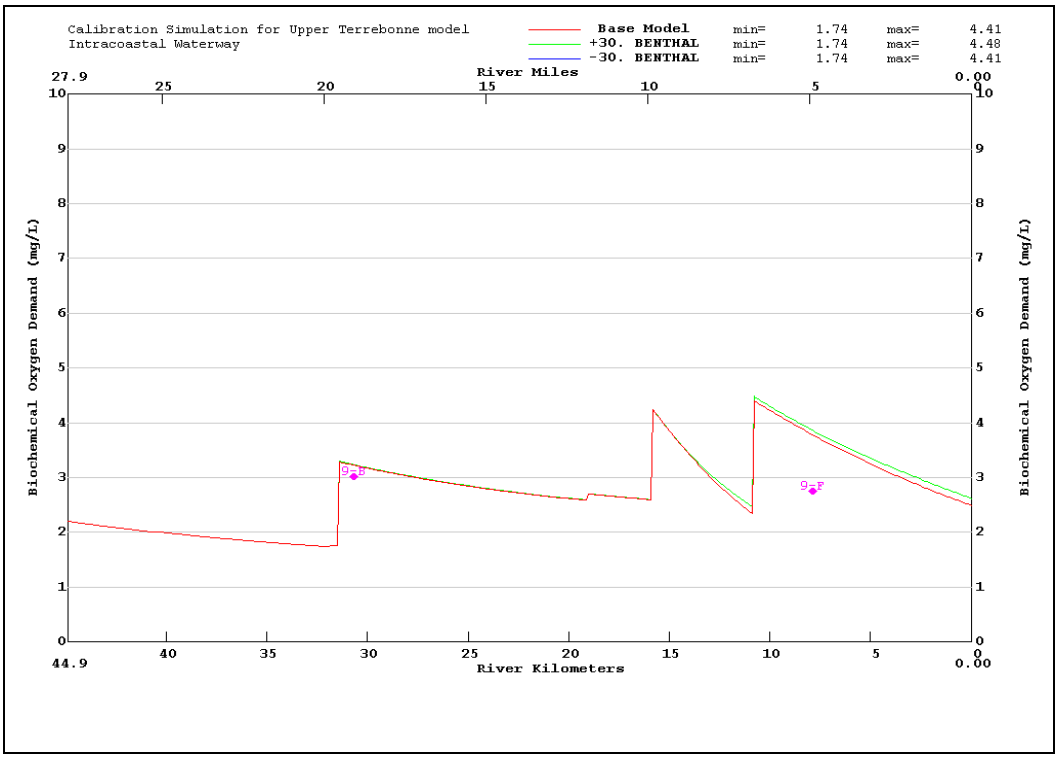

Figure H-65. BOD sensitivity results (background SOD) for subsegment 120109.

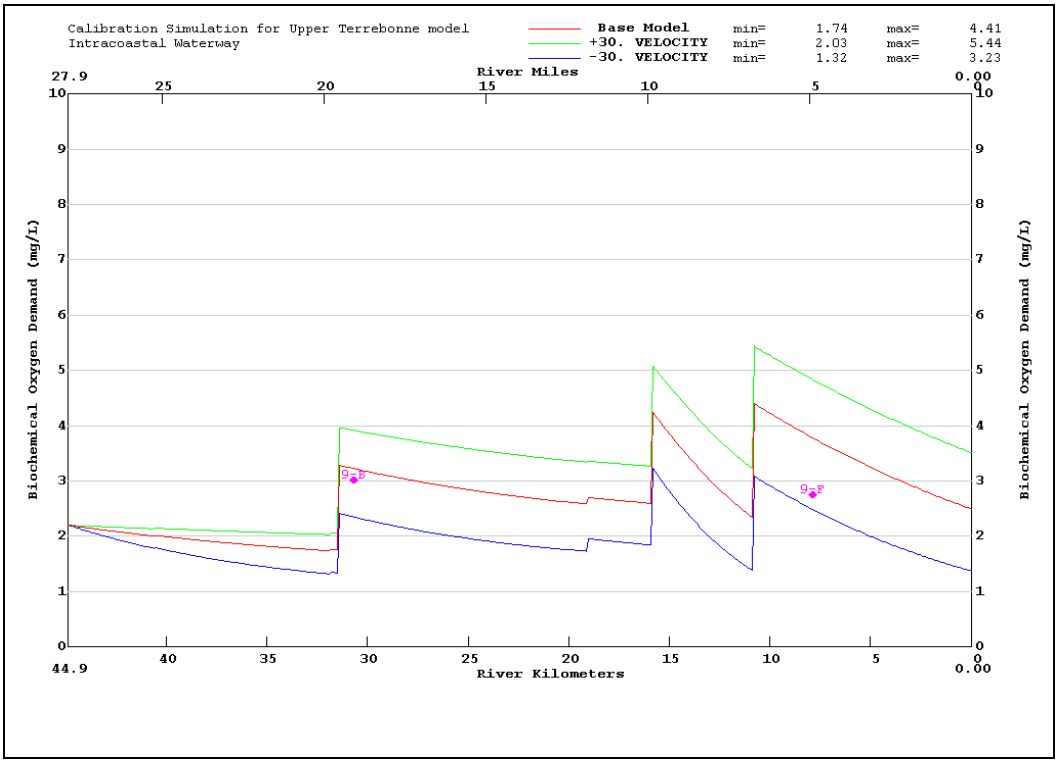

Figure H-66. BOD sensitivity results (stream velocity) for subsegment 120109.

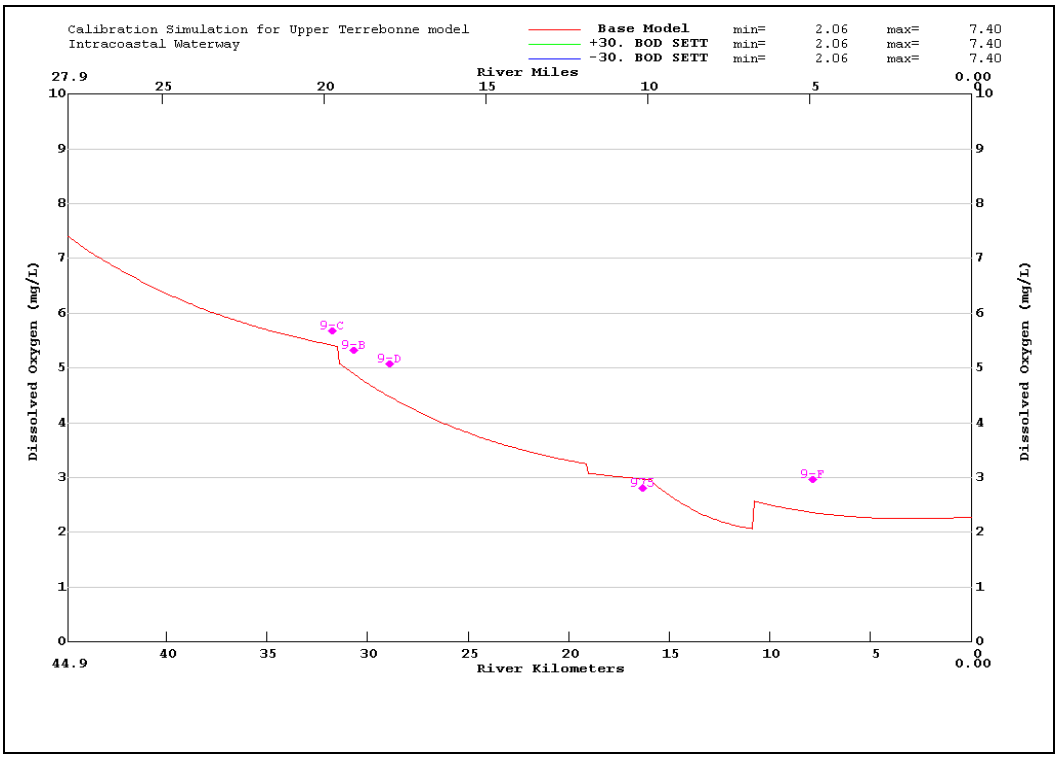

Figure H-67. DO sensitivity results (BOD settling rate) for subsegment 120109.

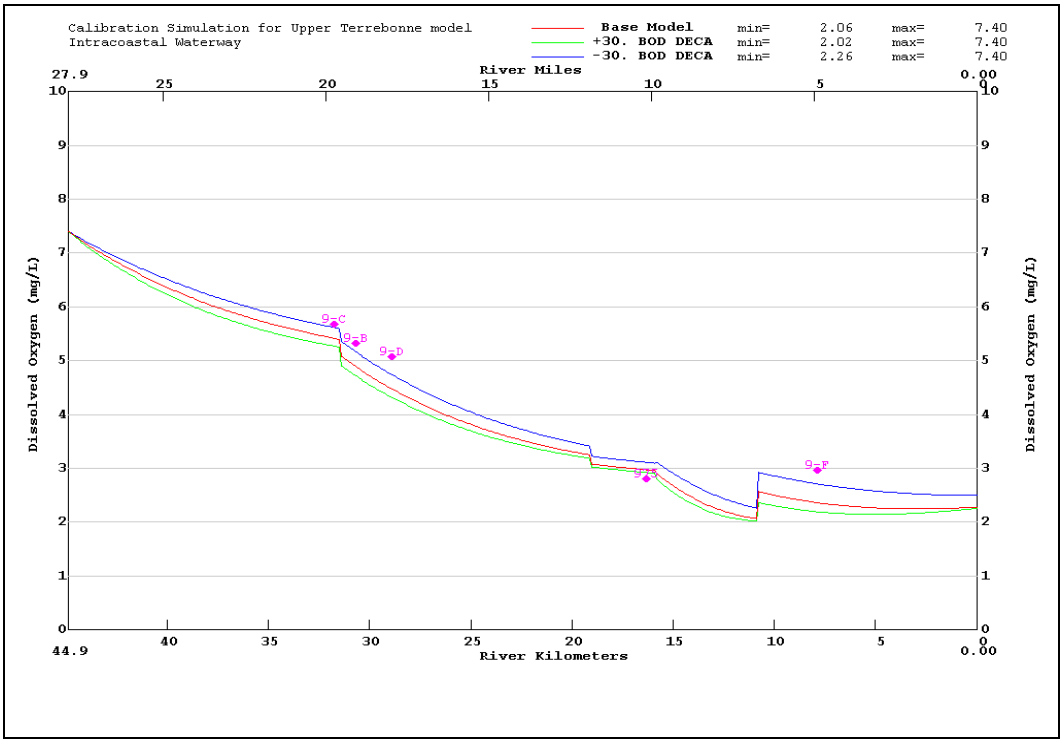

Figure H-68. DO sensitivity results (BOD aerobic decay rate) for subsegment 120109.

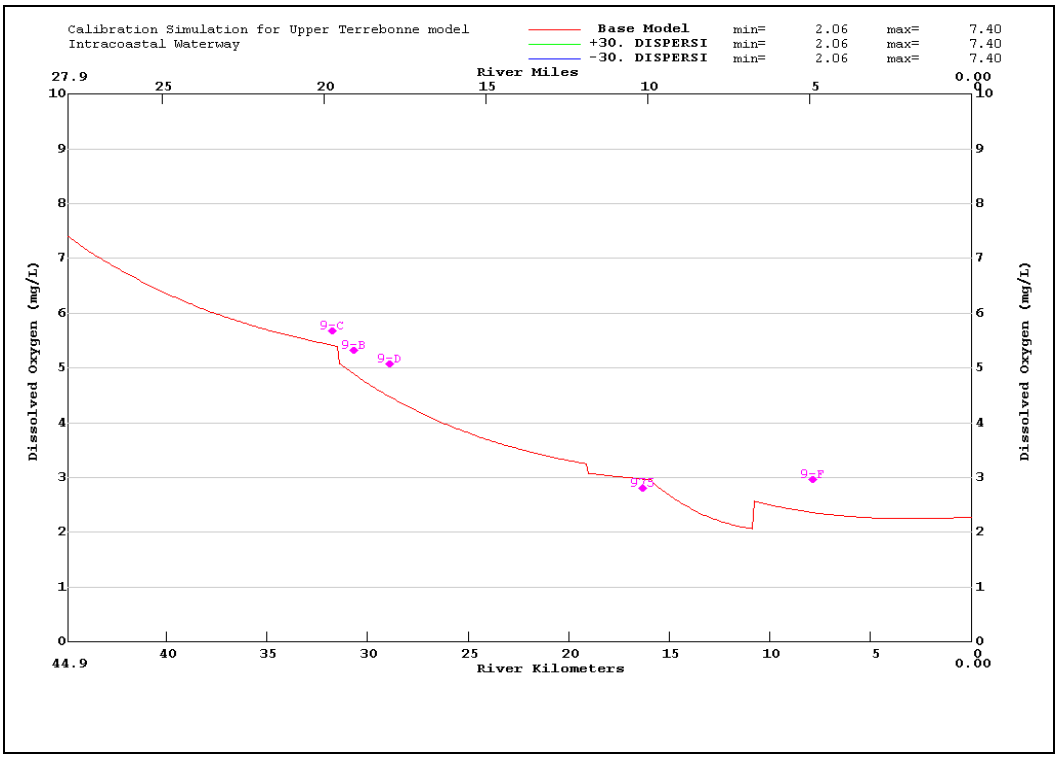

Figure H-69. DO sensitivity results (dispersion) for subsegment 120109.

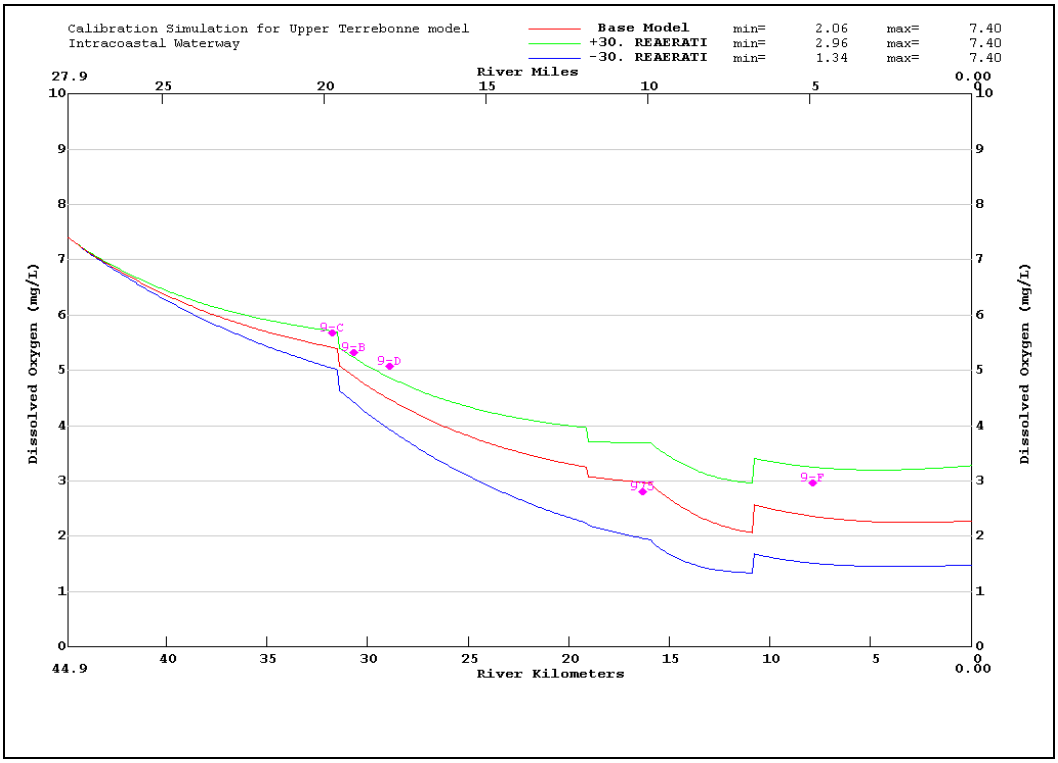

Figure H-70. DO sensitivity results (reaeration) for subsegment 120109.

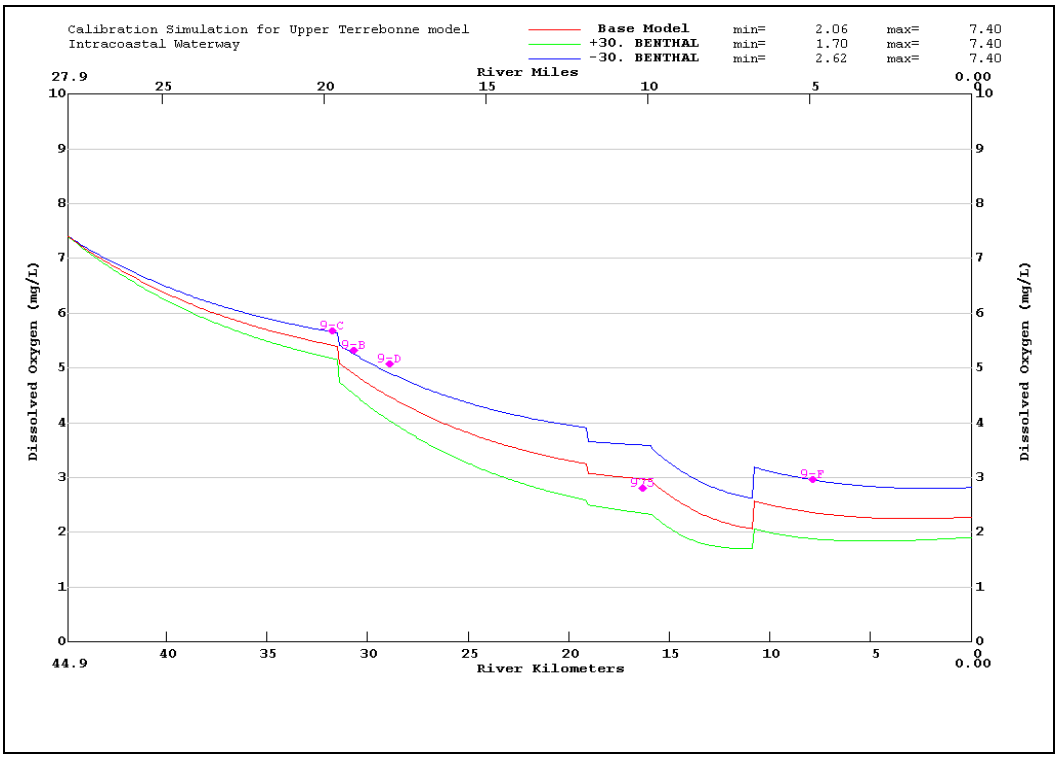

Figure H-71. DO sensitivity results (background SOD) for subsegment 120109.

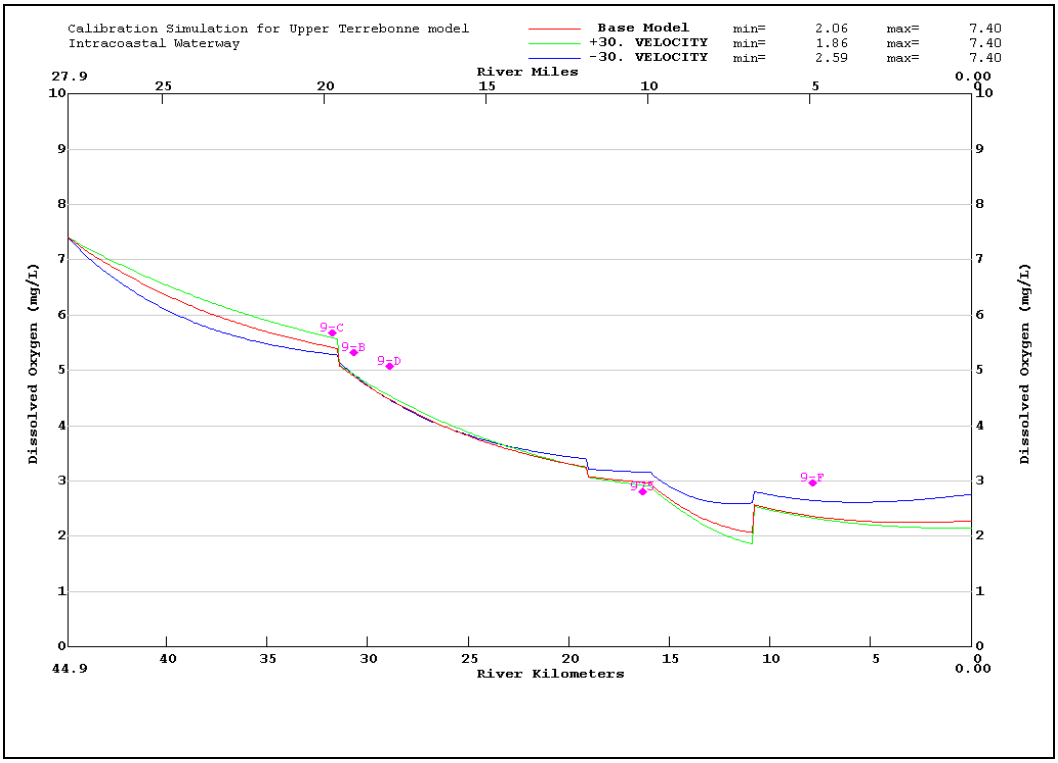

Figure H-72. DO sensitivity results (stream velocity) for subsegment 120109.

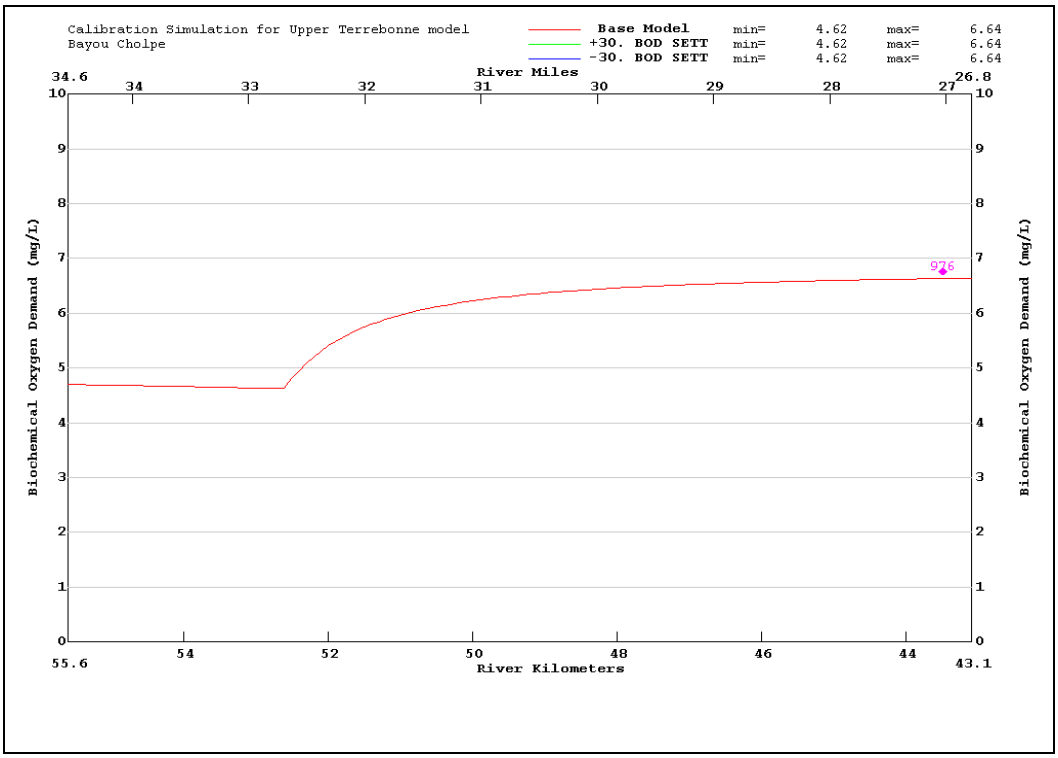

Figure H-73. BOD sensitivity results (BOD settling rate) for subsegment 120110.

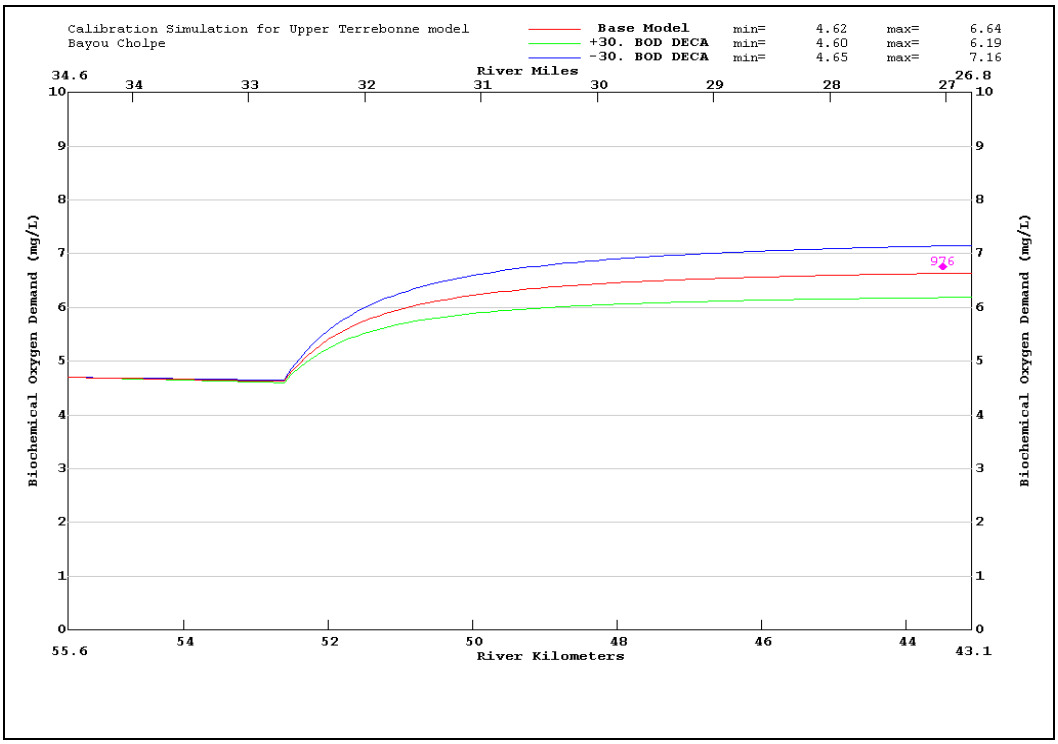

Figure H-74. BOD sensitivity results (BOD aerobic decay rate) for subsegment 120110.

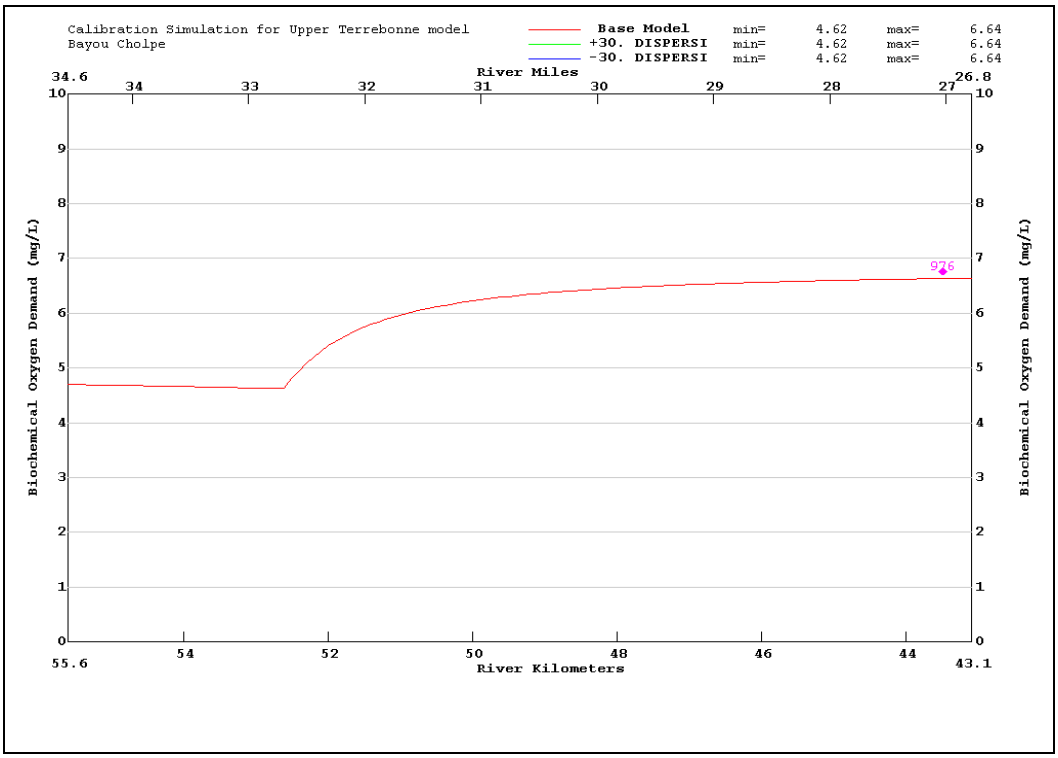

Figure H-75. BOD sensitivity results (dispersion) for subsegment 120110.

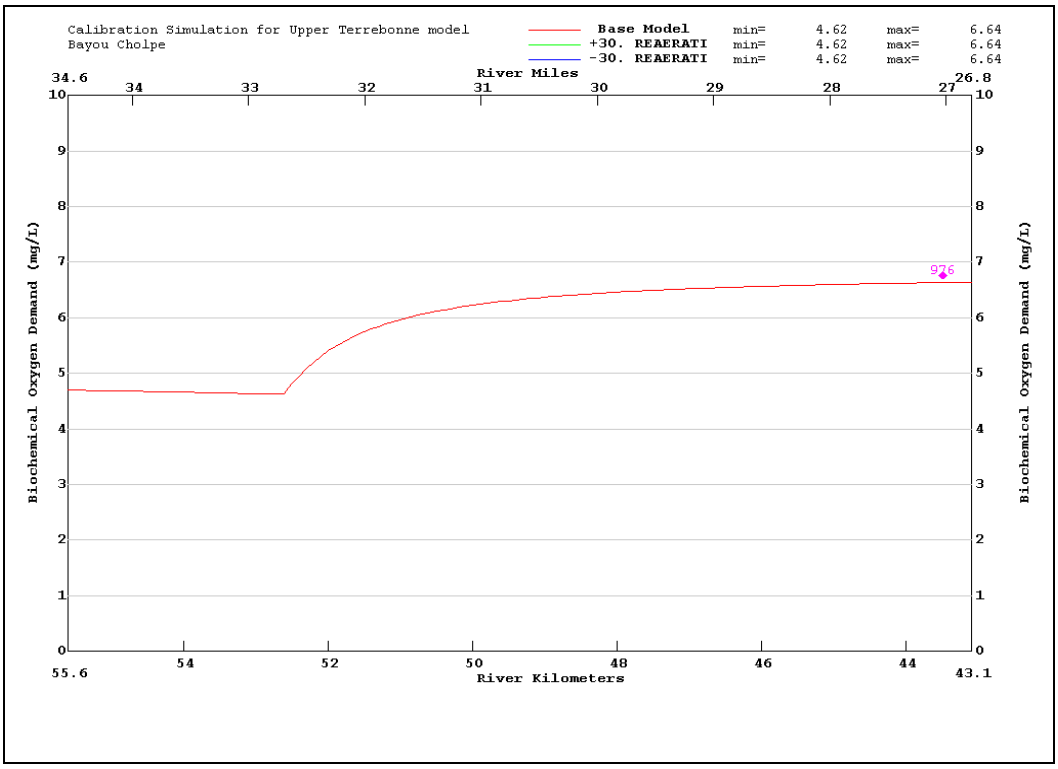

Figure H-76. BOD sensitivity results (reaeration) for subsegment 120110.

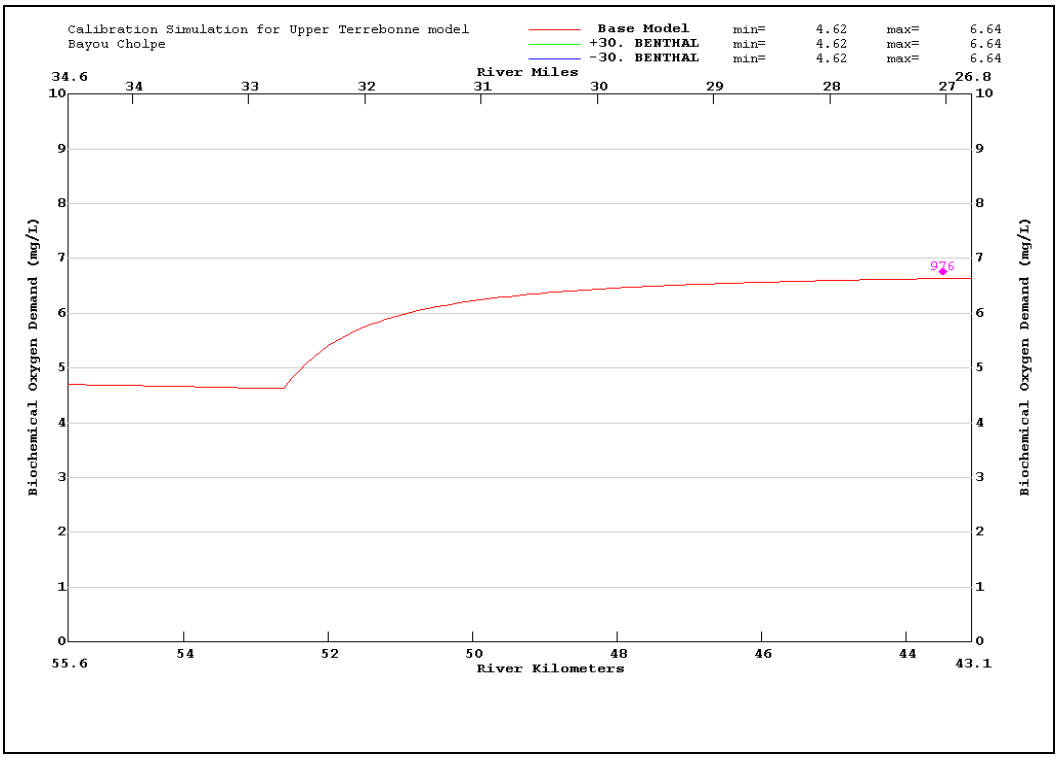

Figure H-77. BOD sensitivity results (background SOD) for subsegment 120110.

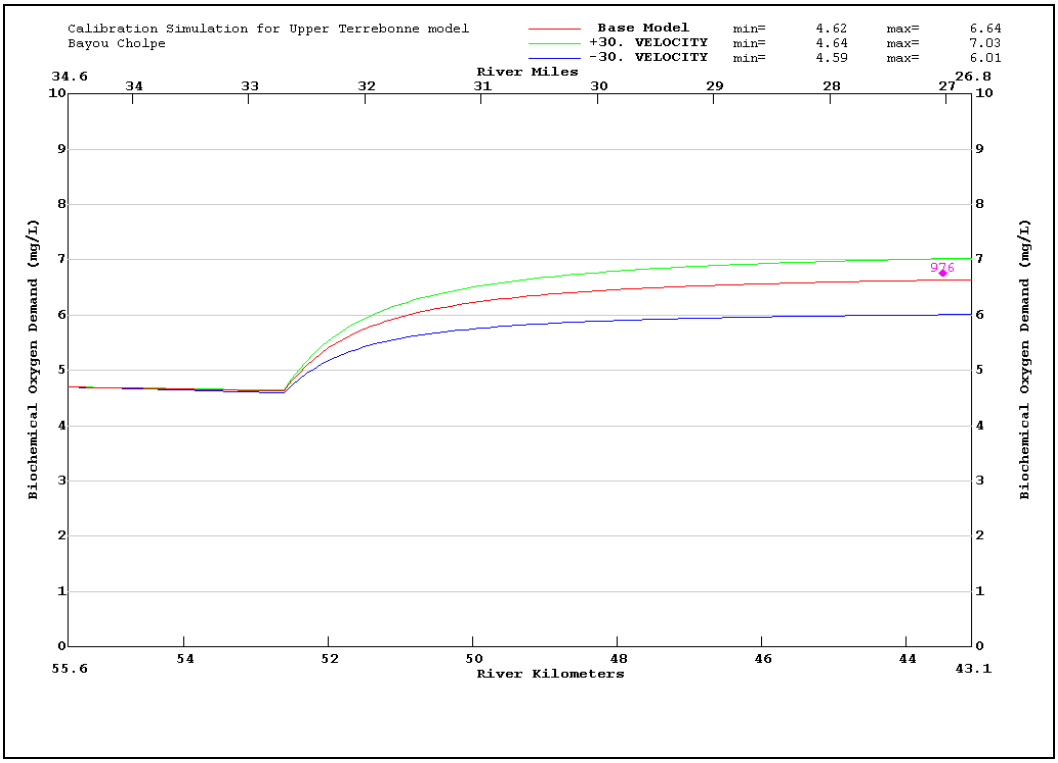

Figure H-78. BOD sensitivity results (stream velocity) for subsegment 120110.

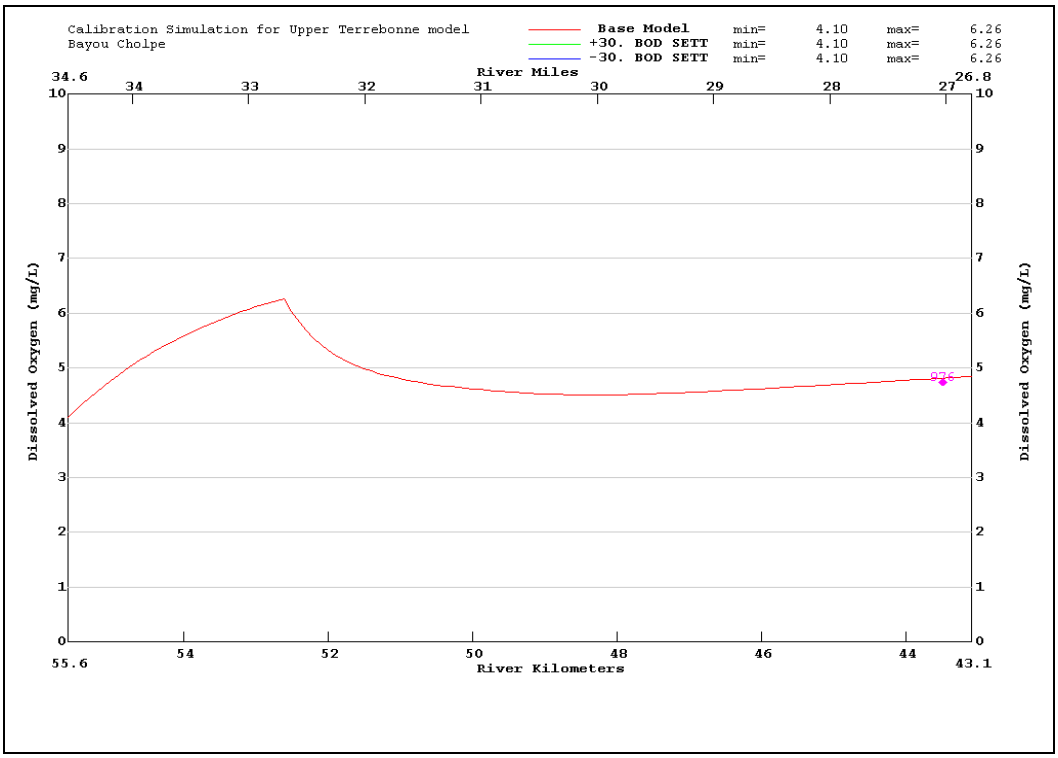

Figure H-79. DO sensitivity results (BOD settling rate) for subsegment 120110.

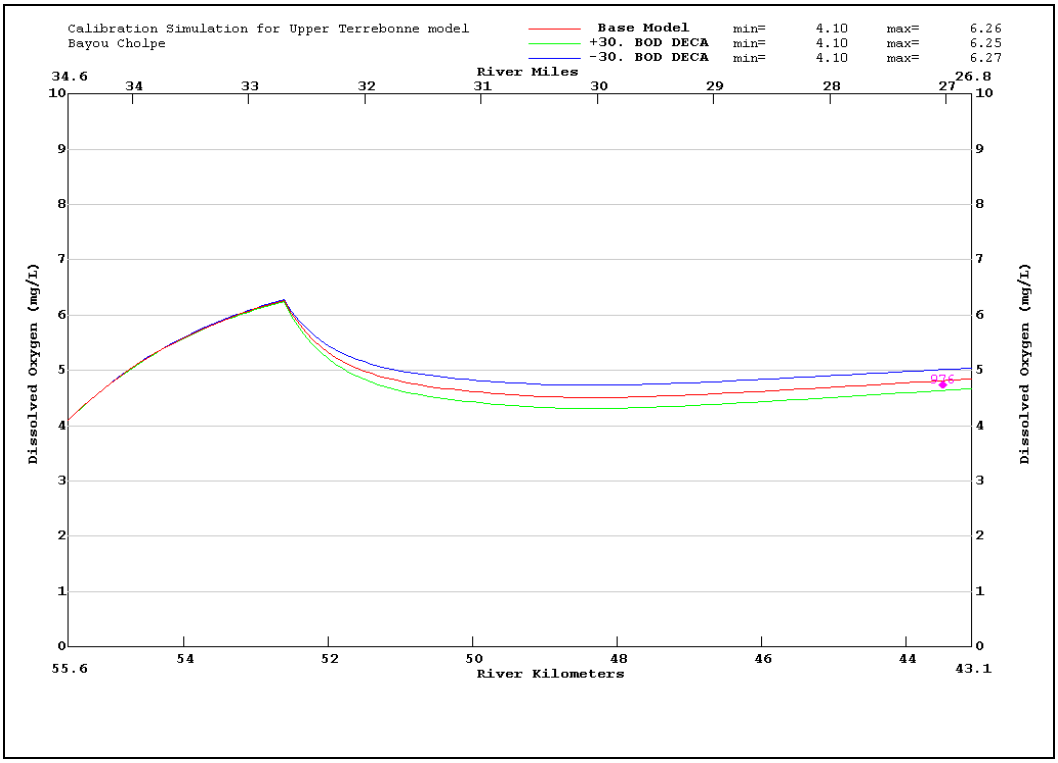

Figure H-80. DO sensitivity results (BOD aerobic decay rate) for subsegment 120110.

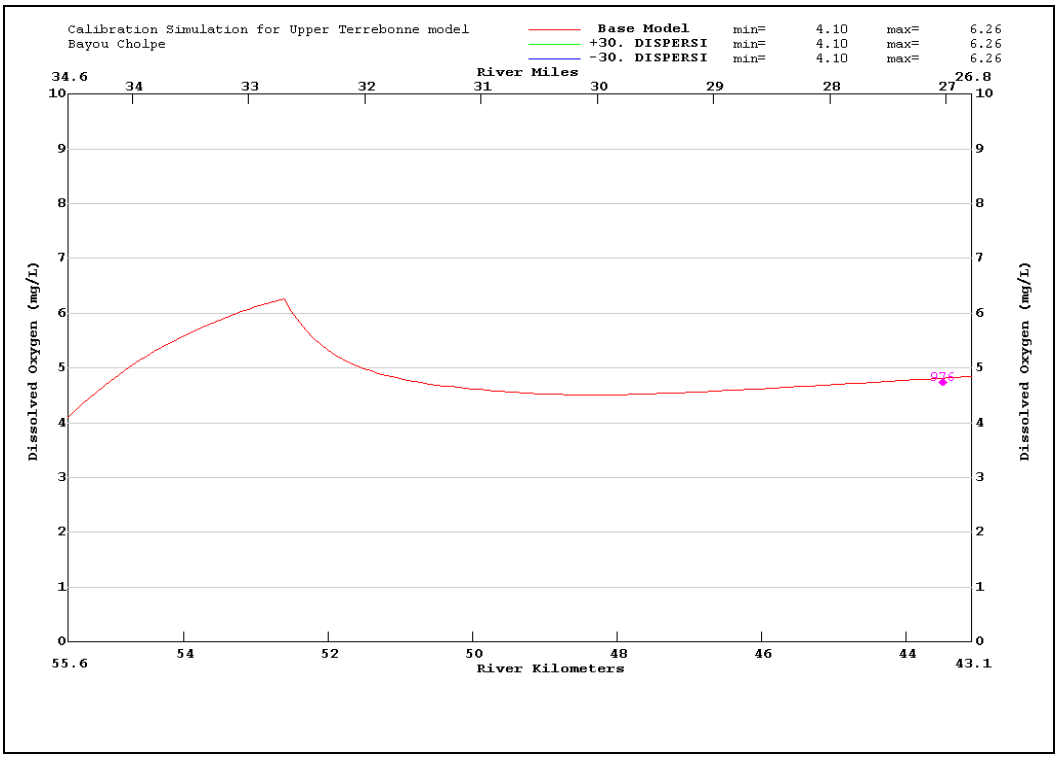

Figure H-81. DO sensitivity results (dispersion) for subsegment 120110.

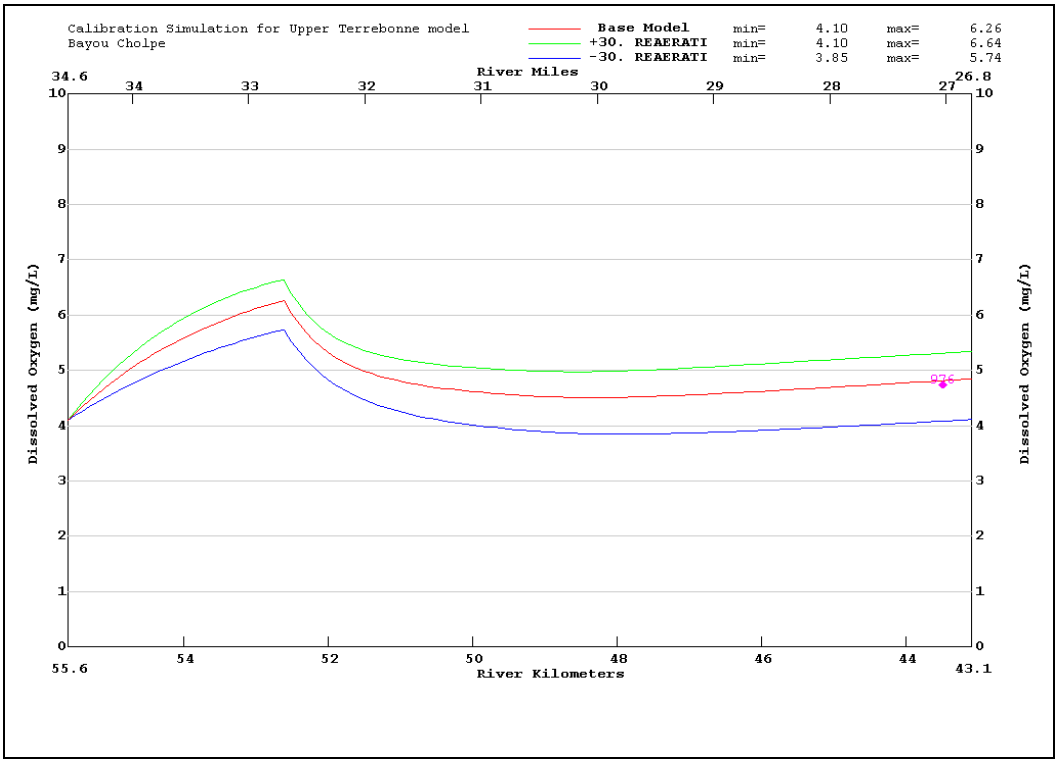

Figure H-82. DO sensitivity results (reaeration) for subsegment 120110.

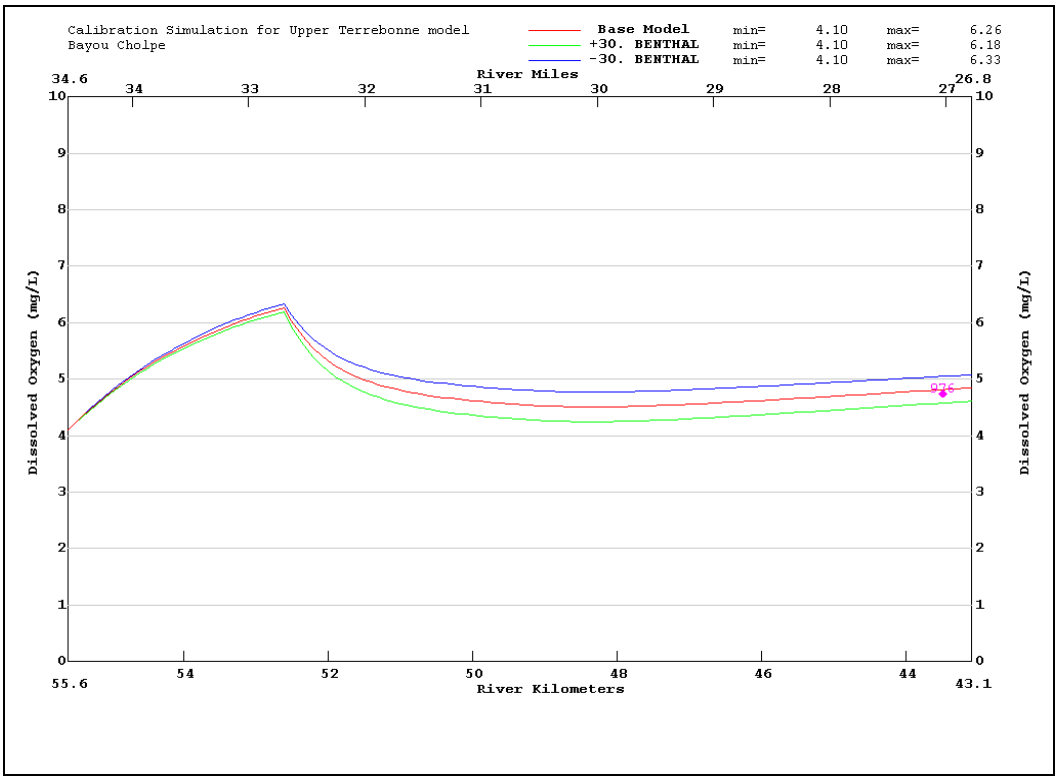

Figure H-83. DO sensitivity results (background SOD) for subsegment 120110.

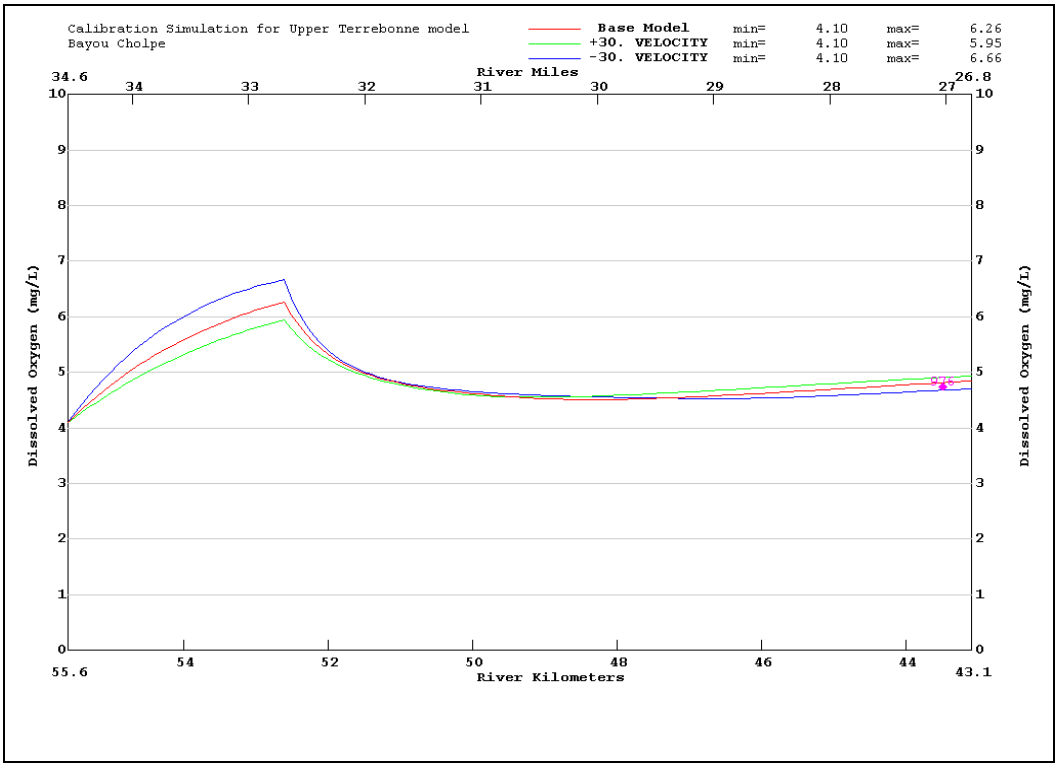

Figure H-84. DO sensitivity results (stream velocity) for subsegment 120110.

APPENDIX I:
AMMONIA TOXICITY CALCULATIONS

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Table I-1. Ammonia toxicity results for subsegment 120102

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
126	7.45	30	1.43	1.68	No
127	7.45	30	1.43	1.68	No
128	7.45	30	1.43	1.68	No
129	7.45	30	1.43	1.68	No
130	7.45	30	1.43	1.68	No
131	7.45	30	1.43	1.68	No
132	7.45	30	1.43	1.68	No
133	7.45	30	1.43	1.68	No
134	7.45	30	1.43	1.68	No
135	7.45	30	1.43	1.68	No
136	7.45	30	1.43	1.68	No
137	7.45	30	1.42	1.68	No
138	7.45	30	1.42	1.68	No
139	7.45	30	1.42	1.68	No
140	7.45	30	1.42	1.68	No
141	7.45	30	1.42	1.68	No
142	7.45	30	1.42	1.68	No
143	7.45	30	1.42	1.68	No
144	7.45	30	1.42	1.68	No
145	7.45	30	1.42	1.68	No
146	7.45	30	1.42	1.68	No
147	7.45	30	1.42	1.68	No
148	7.45	30	1.42	1.68	No
149	7.45	30	1.42	1.68	No
150	7.45	30	1.42	1.68	No
151	7.45	30	1.42	1.68	No
152	7.45	30	1.42	1.68	No
153	7.45	30	1.42	1.68	No
154	7.45	30	1.42	1.68	No
155	7.45	30	1.41	1.68	No
156	7.45	30	1.41	1.68	No
157	7.45	30	1.41	1.68	No
158	7.45	30	1.41	1.68	No
159	7.45	30	1.41	1.68	No
160	7.45	30	1.41	1.68	No
161	7.45	30	1.41	1.68	No
162	7.45	30	1.41	1.68	No
163	7.45	30	1.41	1.68	No
164	7.45	30	1.41	1.68	No
165	7.45	30	1.41	1.68	No
166	7.45	30	1.41	1.68	No
167	7.45	30	1.41	1.68	No
168	7.45	30	1.41	1.68	No
169	7.45	30	1.41	1.68	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?
170	7.45	30	1.41	1.68	No
171	7.45	30	1.41	1.68	No
172	7.45	30	1.41	1.68	No
173	7.45	30	1.4	1.68	No
174	7.45	30	1.4	1.68	No
175	7.45	30	1.4	1.68	No
176	7.45	30	1.4	1.68	No
177	7.45	30	1.4	1.68	No
178	7.45	30	1.4	1.68	No
179	7.45	30	1.4	1.68	No
180	7.45	30	1.4	1.68	No
181	7.45	30	1.4	1.68	No
182	7.45	30	1.4	1.68	No
183	7.45	30	1.39	1.68	No
184	7.45	30	1.39	1.68	No
185	7.45	30	1.38	1.68	No
186	7.45	30	1.37	1.68	No
187	7.45	30	1.37	1.68	No
188	7.45	30	1.36	1.68	No
189	7.45	30	1.36	1.68	No
190	7.45	30	1.35	1.68	No
191	7.45	30	1.34	1.68	No
192	7.45	30	1.34	1.68	No
193	7.45	30	1.33	1.68	No
194	7.45	30	1.33	1.68	No
195	7.45	30	1.32	1.68	No
196	7.45	30	1.32	1.68	No
197	7.45	30	1.31	1.68	No
198	7.45	30	1.3	1.68	No
199	7.45	30	1.3	1.68	No
200	7.45	30	1.29	1.68	No
201	7.45	30	1.29	1.68	No
202	7.45	30	1.28	1.68	No
203	7.45	30	1.28	1.68	No
204	7.45	30	1.27	1.68	No
205	7.45	30	1.27	1.68	No
206	7.45	30	1.26	1.68	No
207	7.45	30	1.25	1.68	No
208	7.45	30	1.25	1.68	No
209	7.45	30	1.24	1.68	No
210	7.45	30	1.24	1.68	No
211	7.45	30	1.23	1.68	No
212	7.45	30	1.23	1.68	No
213	7.45	30	1.22	1.68	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?
214	7.45	30	1.22	1.68	No
215	7.45	30	1.21	1.68	No
216	7.45	30	1.21	1.68	No
217	7.45	30	1.2	1.68	No
218	7.45	30	1.2	1.68	No
219	7.45	30	1.19	1.68	No
220	7.45	30	1.19	1.68	No
221	7.45	30	1.18	1.68	No
222	7.45	30	1.18	1.68	No
223	7.45	30	1.17	1.68	No
224	7.45	30	1.17	1.68	No
225	7.45	30	1.16	1.68	No
226	7.45	30	1.16	1.68	No
227	7.45	30	1.16	1.68	No
228	7.45	30	1.15	1.68	No

Table I-2. Ammonia toxicity results for subsegment 120103

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
229	8.4	30	0.8	0.48	Yes
230	8.4	30	0.69	0.48	Yes
231	8.4	30	0.68	0.48	Yes
232	8.4	30	0.67	0.48	Yes
233	8.4	30	0.66	0.48	Yes
234	8.4	30	0.65	0.48	Yes
235	8.4	30	0.64	0.48	Yes
236	8.4	30	0.64	0.48	Yes
237	8.4	30	0.63	0.48	Yes
238	8.4	30	0.62	0.48	Yes
239	8.4	30	0.61	0.48	Yes
240	8.4	30	0.6	0.48	Yes
241	8.4	30	0.6	0.48	Yes
242	8.4	30	0.59	0.48	Yes
243	8.4	30	0.58	0.48	Yes
244	8.4	30	0.57	0.48	Yes
245	8.4	30	0.57	0.48	Yes
246	8.4	30	0.56	0.48	Yes
247	8.4	30	0.55	0.48	Yes
248	8.4	30	0.54	0.48	Yes
249	8.4	30	0.54	0.48	Yes
250	8.4	30	0.53	0.48	Yes
251	8.4	30	0.52	0.48	Yes
252	8.4	30	0.52	0.48	Yes
253	8.4	30	0.51	0.48	Yes
254	8.4	30	0.5	0.48	Yes
255	8.4	30	0.5	0.48	Yes
256	8.4	30	0.49	0.48	Yes
257	8.4	30	0.49	0.48	Yes
258	8.4	30	0.48	0.48	Yes
259	8.4	30	0.47	0.48	No
260	8.4	30	0.47	0.48	No
261	8.4	30	0.46	0.48	No
262	8.4	30	0.46	0.48	No
263	8.4	30	0.45	0.48	No
264	8.4	30	0.44	0.48	No
265	8.4	30	0.44	0.48	No
266	8.4	30	0.43	0.48	No
267	8.4	30	0.43	0.48	No
268	8.4	30	0.42	0.48	No
269	8.4	30	0.42	0.48	No
270	8.4	30	0.41	0.48	No
271	8.4	30	0.4	0.48	No
347	7.775	30	0.4	1.21	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?
348	7.775	30	0.39	1.21	No
349	7.775	30	0.38	1.21	No
350	7.775	30	0.37	1.21	No
351	7.775	30	0.36	1.21	No
352	7.775	30	0.36	1.21	No
353	7.775	30	0.35	1.21	No
354	7.775	30	0.34	1.21	No
355	7.775	30	0.33	1.21	No
356	7.775	30	0.33	1.21	No
357	7.775	30	0.32	1.21	No
358	7.775	30	0.31	1.21	No
359	7.775	30	0.31	1.21	No
360	7.775	30	0.3	1.21	No
361	7.775	30	0.3	1.21	No
362	7.775	30	0.29	1.21	No
363	7.775	30	0.28	1.21	No
364	7.775	30	0.28	1.21	No
365	7.775	30	0.27	1.21	No
366	7.775	30	0.37	1.21	No
367	7.775	30	0.37	1.21	No
368	7.775	30	0.36	1.21	No
369	7.775	30	0.35	1.21	No
370	7.775	30	0.35	1.21	No
371	7.775	30	0.34	1.21	No
372	7.775	30	0.33	1.21	No
373	7.775	30	0.33	1.21	No
374	7.775	30	0.32	1.21	No
375	7.775	30	0.31	1.21	No
376	7.775	30	0.31	1.21	No
377	7.775	30	0.3	1.21	No
378	7.775	30	0.3	1.21	No
379	7.775	30	0.29	1.21	No
380	7.775	30	0.29	1.21	No
381	7.775	30	0.28	1.21	No
382	7.775	30	0.28	1.21	No
383	7.775	30	0.27	1.21	No
384	7.775	30	0.27	1.21	No
385	7.775	30	0.26	1.21	No
386	7.775	30	0.26	1.21	No
387	7.775	30	0.25	1.21	No
388	7.775	30	0.25	1.21	No
389	7.775	30	0.24	1.21	No
390	7.775	30	0.24	1.21	No
391	7.775	30	0.24	1.21	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?
392	7.775	30	0.23	1.21	No
393	7.775	30	0.23	1.21	No
394	7.775	30	0.22	1.21	No
395	7.775	30	0.22	1.21	No
396	7.775	30	0.22	1.21	No
397	7.775	30	0.21	1.21	No
398	7.775	30	0.21	1.21	No
399	7.775	30	0.21	1.21	No
400	7.775	30	0.2	1.21	No
401	7.775	30	0.2	1.21	No
402	7.775	30	0.2	1.21	No
403	7.775	30	0.19	1.21	No
404	7.775	30	0.19	1.21	No
405	7.775	30	0.19	1.21	No
406	7.775	30	0.18	1.21	No
407	7.775	30	0.18	1.21	No
408	7.775	30	0.18	1.21	No
409	7.775	30	0.17	1.21	No
410	7.775	30	0.17	1.21	No
411	7.775	30	0.17	1.21	No
412	7.775	30	0.17	1.21	No
413	7.775	30	0.16	1.21	No
414	7.775	30	0.16	1.21	No
415	7.775	30	0.16	1.21	No
416	7.775	30	0.16	1.21	No
417	7.775	30	0.15	1.21	No
418	7.775	30	0.15	1.21	No
419	7.775	30	0.15	1.21	No

Table I-3. Ammonia toxicity results for subsegment 120105

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
272	7.7	30	0.08	1.32	No
273	7.7	30	0.06	1.32	No
274	7.7	30	0.05	1.32	No
275	7.7	30	0.05	1.32	No
276	7.7	30	0.04	1.32	No
277	7.7	30	0.03	1.32	No
278	7.7	30	0.03	1.32	No
279	7.7	30	0.03	1.32	No
280	7.7	30	0.02	1.32	No
281	7.7	30	0.02	1.32	No
282	7.7	30	0.02	1.32	No
283	7.7	30	0.02	1.32	No
284	7.7	30	0.02	1.32	No
285	7.7	30	0.02	1.32	No
286	7.7	30	0.02	1.32	No
287	7.7	30	0.02	1.32	No
288	7.7	30	0.02	1.32	No
289	7.7	30	0.01	1.32	No
290	7.7	30	0.01	1.32	No
291	7.7	30	0.01	1.32	No
292	7.7	30	0.01	1.32	No
293	7.7	30	0.01	1.32	No
294	7.7	30	0.01	1.32	No
295	7.7	30	0.01	1.32	No
296	7.7	30	0.01	1.32	No
297	7.7	30	0.01	1.32	No
298	7.7	30	0.01	1.32	No
299	7.7	30	0.01	1.32	No
300	7.7	30	0.01	1.32	No
301	7.7	30	0.01	1.32	No
302	7.7	30	0.01	1.32	No
303	7.7	30	0.01	1.32	No
304	7.7	30	0.01	1.32	No
305	7.7	30	0.66	1.32	No
306	7.7	30	0.56	1.32	No
307	7.7	30	0.47	1.32	No
308	7.7	30	0.4	1.32	No
309	7.7	30	0.35	1.32	No
310	7.7	30	0.3	1.32	No
311	7.7	30	0.26	1.32	No
312	7.7	30	0.23	1.32	No
313	7.7	30	0.2	1.32	No
314	7.7	30	0.18	1.32	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?
315	7.7	30	0.16	1.32	No
316	7.7	30	0.14	1.32	No
317	7.7	30	0.12	1.32	No
318	7.7	30	0.11	1.32	No
319	7.7	30	0.1	1.32	No
320	7.7	30	0.09	1.32	No
321	7.7	30	0.08	1.32	No
322	7.7	30	0.08	1.32	No
323	7.7	30	0.07	1.32	No
324	7.7	30	0.06	1.32	No
325	7.7	30	0.06	1.32	No
326	7.7	30	0.06	1.32	No
327	7.7	30	0.05	1.32	No
328	7.7	30	0.05	1.32	No
329	7.7	30	0.05	1.32	No
330	7.7	30	0.04	1.32	No
331	7.7	30	0.04	1.32	No
332	7.7	30	0.04	1.32	No
333	7.7	30	0.04	1.32	No
334	7.7	30	0.04	1.32	No
335	7.7	30	0.04	1.32	No
336	7.7	30	0.03	1.32	No
337	7.7	30	0.03	1.32	No
338	7.7	30	0.03	1.32	No
339	7.7	30	0.03	1.32	No
340	7.7	30	0.03	1.32	No
341	7.7	30	0.03	1.32	No
342	7.7	30	0.03	1.32	No
343	7.7	30	0.03	1.32	No
344	7.7	30	0.03	1.32	No
345	7.7	30	0.03	1.32	No
346	7.7	30	0.03	1.32	No

Table I-4. Ammonia toxicity results for subsegment 120106

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
710	8.24	30	0	0.62	No
711	8.24	30	0	0.62	No
712	8.24	30	0	0.62	No
713	8.24	30	0	0.62	No
714	8.24	30	0	0.62	No
715	8.24	30	0	0.62	No
716	8.24	30	0	0.62	No
717	8.24	30	0	0.62	No
718	8.24	30	0	0.62	No
719	8.24	30	0	0.62	No
720	8.24	30	0	0.62	No
721	8.24	30	0	0.62	No
722	8.24	30	0	0.62	No
723	8.24	30	0	0.62	No
724	8.24	30	0	0.62	No
725	8.24	30	0	0.62	No
726	8.24	30	0	0.62	No
727	8.24	30	0	0.62	No
728	8.24	30	0	0.62	No
729	8.24	30	0	0.62	No
730	8.24	30	0	0.62	No
731	8.24	30	0	0.62	No
732	8.24	30	0.01	0.62	No
733	8.24	30	0.01	0.62	No
734	8.24	30	0.01	0.62	No
735	8.24	30	0.01	0.62	No
736	8.24	30	0.01	0.62	No
737	8.24	30	0.01	0.62	No
738	8.24	30	0.01	0.62	No
739	8.24	30	0.16	0.62	No
740	8.24	30	0.16	0.62	No
741	8.24	30	0.15	0.62	No
742	8.24	30	0.15	0.62	No
743	8.24	30	0.15	0.62	No
744	8.24	30	0.15	0.62	No
745	8.24	30	0.14	0.62	No
746	8.24	30	0.14	0.62	No
747	8.24	30	0.14	0.62	No
748	8.24	30	0.14	0.62	No
749	8.24	30	0.13	0.62	No
750	8.24	30	0.13	0.62	No
751	8.24	30	0.13	0.62	No
752	8.24	30	0.13	0.62	No
753	8.24	30	0.12	0.62	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?
754	8.24	30	0.13	0.62	No
755	8.24	30	0.12	0.62	No
756	8.24	30	0.12	0.62	No
757	8.24	30	0.12	0.62	No
758	8.24	30	0.12	0.62	No
759	8.24	30	0.12	0.62	No
760	8.24	30	0.12	0.62	No
761	8.24	30	0.11	0.62	No
762	8.24	30	0.11	0.62	No
763	8.24	30	0.11	0.62	No
764	8.24	30	0.11	0.62	No
765	8.24	30	0.11	0.62	No
766	8.24	30	0.1	0.62	No
767	8.24	30	0.1	0.62	No
768	8.24	30	0.1	0.62	No
769	8.24	30	0.1	0.62	No
770	8.24	30	0.1	0.62	No
771	8.24	30	0.1	0.62	No
772	8.24	30	0.1	0.62	No
773	8.24	30	0.09	0.62	No
774	8.24	30	0.09	0.62	No
775	8.24	30	0.09	0.62	No
776	8.24	30	0.09	0.62	No
777	8.24	30	0.09	0.62	No
778	8.24	30	0.09	0.62	No
779	8.24	30	0.09	0.62	No
780	8.24	30	0.09	0.62	No
781	8.24	30	0.09	0.62	No
782	8.24	30	0.09	0.62	No
783	8.24	30	0.09	0.62	No
784	8.24	30	0.09	0.62	No
785	8.24	30	0.08	0.62	No
786	8.24	30	0.08	0.62	No
787	8.24	30	0.08	0.62	No
788	8.24	30	0.08	0.62	No
789	8.24	30	0.08	0.62	No
790	8.24	30	0.08	0.62	No
791	8.24	30	0.08	0.62	No
792	8.24	30	0.08	0.62	No
793	8.24	30	0.07	0.62	No
794	8.24	30	0.07	0.62	No
795	8.24	30	0.07	0.62	No
796	8.24	30	0.07	0.62	No
797	8.24	30	0.07	0.62	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?
798	8.24	30	0.07	0.62	No
799	8.24	30	0.07	0.62	No
800	8.24	30	0.07	0.62	No
801	8.24	30	0.07	0.62	No
802	8.24	30	0.07	0.62	No
803	8.24	30	0.07	0.62	No
804	8.24	30	0.06	0.62	No
805	8.24	30	0.06	0.62	No
806	8.24	30	0.06	0.62	No
807	8.24	30	0.06	0.62	No
808	8.24	30	0.06	0.62	No
809	8.24	30	0.06	0.62	No
810	8.24	30	0.06	0.62	No
811	8.24	30	0.06	0.62	No
812	8.24	30	0.06	0.62	No
813	8.24	30	0.06	0.62	No
814	8.24	30	0.06	0.62	No
815	8.24	30	0.06	0.62	No
816	8.24	30	0.06	0.62	No
817	8.24	30	0.05	0.62	No
818	8.24	30	0.05	0.62	No
819	8.24	30	0.05	0.62	No
820	8.24	30	0.05	0.62	No
821	8.24	30	0.05	0.62	No
822	8.24	30	0.05	0.62	No
823	8.24	30	0.05	0.62	No
824	8.24	30	0.05	0.62	No
825	8.24	30	0.05	0.62	No
826	8.24	30	0.05	0.62	No
827	8.24	30	0.05	0.62	No
828	8.24	30	0.05	0.62	No

Table I-5. Ammonia toxicity results for subsegment 120107

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
879	7.3	30	0.03	1.87	No
880	7.3	30	0.03	1.87	No
881	7.3	30	0.03	1.87	No
882	7.3	30	0.03	1.87	No
883	7.3	30	0.03	1.87	No
884	7.3	30	0.03	1.87	No
885	7.3	30	0.03	1.87	No
886	7.3	30	0.03	1.87	No
887	7.3	30	0.03	1.87	No
888	7.3	30	0.03	1.87	No
889	7.3	30	0.03	1.87	No
890	7.3	30	0.03	1.87	No
891	7.3	30	0.03	1.87	No
892	7.3	30	0.03	1.87	No
893	7.3	30	0.03	1.87	No
894	7.3	30	0.03	1.87	No
895	7.3	30	0.03	1.87	No
896	7.3	30	0.03	1.87	No
897	7.3	30	0.03	1.87	No
898	7.3	30	0.03	1.87	No
899	7.3	30	0.03	1.87	No
900	7.3	30	0.03	1.87	No
901	7.3	30	0.03	1.87	No
902	7.3	30	0.03	1.87	No
903	7.3	30	0.03	1.87	No
904	7.3	30	0.03	1.87	No
905	7.3	30	0.03	1.87	No
906	7.3	30	0.03	1.87	No
907	7.3	30	0.04	1.87	No
908	7.3	30	0.04	1.87	No
909	7.3	30	0.04	1.87	No
910	7.3	30	0.04	1.87	No
911	7.3	30	0.04	1.87	No
912	7.3	30	0.04	1.87	No
913	7.3	30	0.04	1.87	No
914	7.3	30	0.04	1.87	No
915	7.3	30	0.04	1.87	No
916	7.3	30	0.04	1.87	No
917	7.3	30	0.04	1.87	No
918	7.3	30	0.04	1.87	No
919	7.3	30	0.04	1.87	No
920	7.3	30	0.04	1.87	No
921	7.3	30	0.04	1.87	No
922	7.3	30	0.04	1.87	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?
923	7.3	30	0.04	1.87	No
924	7.3	30	0.04	1.87	No
925	7.3	30	0.04	1.87	No
926	7.3	30	0.04	1.87	No
927	7.3	30	0.04	1.87	No
928	7.3	30	0.04	1.87	No
929	7.3	30	0.04	1.87	No
930	7.3	30	0.04	1.87	No
931	7.3	30	0.04	1.87	No
932	7.3	30	0.04	1.87	No
933	7.3	30	0.04	1.87	No
934	7.3	30	0.04	1.87	No
935	7.3	30	0.04	1.87	No
936	7.3	30	0.04	1.87	No
937	7.3	30	0.04	1.87	No
938	7.3	30	0.04	1.87	No
939	7.3	30	0.04	1.87	No
940	7.3	30	0.04	1.87	No
941	7.3	30	0.04	1.87	No
942	7.3	30	0.04	1.87	No
943	7.3	30	0.04	1.87	No
944	7.3	30	0.04	1.87	No
945	7.3	30	0.04	1.87	No
946	7.3	30	0.04	1.87	No
947	7.3	30	0.04	1.87	No
948	7.3	30	0.04	1.87	No
949	7.3	30	0.04	1.87	No
950	7.3	30	0.04	1.87	No
951	7.3	30	0.04	1.87	No
952	7.3	30	0.04	1.87	No
953	7.3	30	0.04	1.87	No
954	7.3	30	0.04	1.87	No
955	7.3	30	0.04	1.87	No
956	7.3	30	0.04	1.87	No
957	7.3	30	0.04	1.87	No
958	7.3	30	0.04	1.87	No
959	7.3	30	0.04	1.87	No
960	7.3	30	0.04	1.87	No
961	7.3	30	0.04	1.87	No
962	7.3	30	0.04	1.87	No
963	7.3	30	0.03	1.87	No
964	7.3	30	0.03	1.87	No
965	7.3	30	0.03	1.87	No
966	7.3	30	0.03	1.87	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?
967	7.3	30	0.03	1.87	No
968	7.3	30	0.03	1.87	No
969	7.3	30	0.03	1.87	No
970	7.3	30	0.03	1.87	No
971	7.3	30	0.03	1.87	No
972	7.3	30	0.03	1.87	No
973	7.3	30	0.03	1.87	No
974	7.3	30	0.03	1.87	No
975	7.3	30	0.03	1.87	No
976	7.3	30	0.03	1.87	No
977	7.3	30	0.03	1.87	No
978	7.3	30	0.03	1.87	No
979	7.3	30	0.03	1.87	No
980	7.3	30	0.03	1.87	No
981	7.3	30	0.03	1.87	No
982	7.3	30	0.03	1.87	No
983	7.3	30	0.03	1.87	No
984	7.3	30	0.03	1.87	No
985	7.3	30	0.03	1.87	No
986	7.3	30	0.03	1.87	No
987	7.3	30	0.03	1.87	No
988	7.3	30	0.03	1.87	No
989	7.3	30	0.03	1.87	No
990	7.3	30	0.03	1.87	No
991	7.3	30	0.03	1.87	No
992	7.3	30	0.03	1.87	No
993	7.3	30	0.03	1.87	No
994	7.3	30	0.03	1.87	No
995	7.3	30	0.03	1.87	No
996	7.3	30	0.03	1.87	No
997	7.3	30	0.03	1.87	No
998	7.3	30	0.03	1.87	No
999	7.3	30	0.03	1.87	No
1000	7.3	30	0.04	1.87	No
1001	7.3	30	0.04	1.87	No
1002	7.3	30	0.04	1.87	No
1003	7.3	30	0.04	1.87	No
1004	7.3	30	0.04	1.87	No
1005	7.3	30	0.04	1.87	No
1006	7.3	30	0.04	1.87	No
1007	7.3	30	0.04	1.87	No
1008	7.3	30	0.04	1.87	No
1009	7.3	30	0.04	1.87	No
1010	7.3	30	0.04	1.87	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?
1011	7.3	30	0.04	1.87	No
1012	7.3	30	0.04	1.87	No
1013	7.3	30	0.04	1.87	No
1014	7.3	30	0.04	1.87	No
1015	7.3	30	0.04	1.87	No
1016	7.3	30	0.04	1.87	No
1017	7.3	30	0.04	1.87	No
1018	7.3	30	0.04	1.87	No
1019	7.3	30	0.04	1.87	No
1020	7.3	30	0.04	1.87	No
1021	7.3	30	0.04	1.87	No
1022	7.3	30	0.04	1.87	No
1023	7.3	30	0.04	1.87	No
1024	7.3	30	0.04	1.87	No
1025	7.3	30	0.04	1.87	No
1026	7.3	30	0.04	1.87	No
1027	7.3	30	0.04	1.87	No
1028	7.3	30	0.04	1.87	No
1029	7.3	30	0.04	1.87	No
1030	7.3	30	0.04	1.87	No
1031	7.3	30	0.04	1.87	No
1032	7.3	30	0.04	1.87	No
1033	7.3	30	0.04	1.87	No
1034	7.3	30	0.04	1.87	No
1035	7.3	30	0.04	1.87	No
1036	7.3	30	0.04	1.87	No
1037	7.3	30	0.04	1.87	No
1038	7.3	30	0.04	1.87	No
1039	7.3	30	0.04	1.87	No
1040	7.3	30	0.04	1.87	No
1041	7.3	30	0.04	1.87	No
1042	7.3	30	0.04	1.87	No
1043	7.3	30	0.04	1.87	No
1044	7.3	30	0.04	1.87	No
1045	7.3	30	0.04	1.87	No
1046	7.3	30	0.04	1.87	No

Table I-6. Ammonia toxicity results for subsegment 120109

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
420	7.6666667	30	0.03	1.37	No
421	7.6666667	30	0.03	1.37	No
422	7.6666667	30	0.03	1.37	No
423	7.6666667	30	0.03	1.37	No
424	7.6666667	30	0.03	1.37	No
425	7.6666667	30	0.03	1.37	No
426	7.6666667	30	0.03	1.37	No
427	7.6666667	30	0.03	1.37	No
428	7.6666667	30	0.03	1.37	No
429	7.6666667	30	0.03	1.37	No
430	7.6666667	30	0.03	1.37	No
431	7.6666667	30	0.03	1.37	No
432	7.6666667	30	0.03	1.37	No
433	7.6666667	30	0.03	1.37	No
434	7.6666667	30	0.03	1.37	No
435	7.6666667	30	0.03	1.37	No
436	7.6666667	30	0.03	1.37	No
437	7.6666667	30	0.03	1.37	No
438	7.6666667	30	0.03	1.37	No
439	7.6666667	30	0.03	1.37	No
440	7.6666667	30	0.03	1.37	No
441	7.6666667	30	0.03	1.37	No
442	7.6666667	30	0.03	1.37	No
443	7.6666667	30	0.03	1.37	No
444	7.6666667	30	0.03	1.37	No
445	7.6666667	30	0.03	1.37	No
446	7.6666667	30	0.03	1.37	No
447	7.6666667	30	0.03	1.37	No
448	7.6666667	30	0.03	1.37	No
449	7.6666667	30	0.03	1.37	No
450	7.6666667	30	0.02	1.37	No
451	7.6666667	30	0.02	1.37	No
452	7.6666667	30	0.02	1.37	No
453	7.6666667	30	0.02	1.37	No
454	7.6666667	30	0.02	1.37	No
455	7.6666667	30	0.02	1.37	No
456	7.6666667	30	0.02	1.37	No
457	7.6666667	30	0.02	1.37	No
458	7.6666667	30	0.02	1.37	No
459	7.6666667	30	0.02	1.37	No
460	7.6666667	30	0.02	1.37	No
461	7.6666667	30	0.02	1.37	No
462	7.6666667	30	0.02	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
463	7.6666667	30	0.03	1.37	No
464	7.6666667	30	0.03	1.37	No
465	7.6666667	30	0.03	1.37	No
466	7.6666667	30	0.03	1.37	No
467	7.6666667	30	0.03	1.37	No
468	7.6666667	30	0.03	1.37	No
469	7.6666667	30	0.03	1.37	No
470	7.6666667	30	0.03	1.37	No
471	7.6666667	30	0.03	1.37	No
472	7.6666667	30	0.03	1.37	No
473	7.6666667	30	0.03	1.37	No
474	7.6666667	30	0.03	1.37	No
475	7.6666667	30	0.03	1.37	No
476	7.6666667	30	0.03	1.37	No
477	7.6666667	30	0.03	1.37	No
478	7.6666667	30	0.03	1.37	No
479	7.6666667	30	0.03	1.37	No
480	7.6666667	30	0.03	1.37	No
481	7.6666667	30	0.03	1.37	No
482	7.6666667	30	0.03	1.37	No
483	7.6666667	30	0.03	1.37	No
484	7.6666667	30	0.03	1.37	No
485	7.6666667	30	0.03	1.37	No
486	7.6666667	30	0.03	1.37	No
487	7.6666667	30	0.03	1.37	No
488	7.6666667	30	0.03	1.37	No
489	7.6666667	30	0.03	1.37	No
490	7.6666667	30	0.03	1.37	No
491	7.6666667	30	0.03	1.37	No
492	7.6666667	30	0.03	1.37	No
493	7.6666667	30	0.03	1.37	No
494	7.6666667	30	0.03	1.37	No
495	7.6666667	30	0.02	1.37	No
496	7.6666667	30	0.02	1.37	No
497	7.6666667	30	0.02	1.37	No
498	7.6666667	30	0.02	1.37	No
499	7.6666667	30	0.02	1.37	No
500	7.6666667	30	0.02	1.37	No
501	7.6666667	30	0.02	1.37	No
502	7.6666667	30	0.02	1.37	No
503	7.6666667	30	0.02	1.37	No
504	7.6666667	30	0.02	1.37	No
505	7.6666667	30	0.02	1.37	No
506	7.6666667	30	0.02	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
507	7.6666667	30	0.02	1.37	No
508	7.6666667	30	0.02	1.37	No
509	7.6666667	30	0.02	1.37	No
510	7.6666667	30	0.02	1.37	No
511	7.6666667	30	0.02	1.37	No
512	7.6666667	30	0.02	1.37	No
513	7.6666667	30	0.02	1.37	No
514	7.6666667	30	0.02	1.37	No
515	7.6666667	30	0.02	1.37	No
516	7.6666667	30	0.02	1.37	No
517	7.6666667	30	0.02	1.37	No
518	7.6666667	30	0.02	1.37	No
519	7.6666667	30	0.02	1.37	No
520	7.6666667	30	0.02	1.37	No
521	7.6666667	30	0.02	1.37	No
522	7.6666667	30	0.02	1.37	No
523	7.6666667	30	0.02	1.37	No
524	7.6666667	30	0.02	1.37	No
525	7.6666667	30	0.02	1.37	No
526	7.6666667	30	0.02	1.37	No
527	7.6666667	30	0.02	1.37	No
528	7.6666667	30	0.02	1.37	No
529	7.6666667	30	0.02	1.37	No
530	7.6666667	30	0.02	1.37	No
531	7.6666667	30	0.02	1.37	No
532	7.6666667	30	0.02	1.37	No
533	7.6666667	30	0.02	1.37	No
534	7.6666667	30	0.02	1.37	No
535	7.6666667	30	0.02	1.37	No
536	7.6666667	30	0.02	1.37	No
537	7.6666667	30	0.02	1.37	No
538	7.6666667	30	0.02	1.37	No
539	7.6666667	30	0.02	1.37	No
540	7.6666667	30	0.02	1.37	No
541	7.6666667	30	0.02	1.37	No
542	7.6666667	30	0.02	1.37	No
543	7.6666667	30	0.02	1.37	No
544	7.6666667	30	0.02	1.37	No
545	7.6666667	30	0.02	1.37	No
546	7.6666667	30	0.02	1.37	No
547	7.6666667	30	0.02	1.37	No
548	7.6666667	30	0.02	1.37	No
549	7.6666667	30	0.02	1.37	No
550	7.6666667	30	0.03	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
551	7.6666667	30	0.03	1.37	No
552	7.6666667	30	0.03	1.37	No
553	7.6666667	30	0.03	1.37	No
554	7.6666667	30	0.06	1.37	No
555	7.6666667	30	0.06	1.37	No
556	7.6666667	30	0.06	1.37	No
557	7.6666667	30	0.06	1.37	No
558	7.6666667	30	0.06	1.37	No
559	7.6666667	30	0.06	1.37	No
560	7.6666667	30	0.06	1.37	No
561	7.6666667	30	0.06	1.37	No
562	7.6666667	30	0.06	1.37	No
563	7.6666667	30	0.06	1.37	No
564	7.6666667	30	0.06	1.37	No
565	7.6666667	30	0.06	1.37	No
566	7.6666667	30	0.06	1.37	No
567	7.6666667	30	0.06	1.37	No
568	7.6666667	30	0.06	1.37	No
569	7.6666667	30	0.06	1.37	No
570	7.6666667	30	0.06	1.37	No
571	7.6666667	30	0.06	1.37	No
572	7.6666667	30	0.06	1.37	No
573	7.6666667	30	0.06	1.37	No
574	7.6666667	30	0.06	1.37	No
575	7.6666667	30	0.05	1.37	No
576	7.6666667	30	0.05	1.37	No
577	7.6666667	30	0.05	1.37	No
578	7.6666667	30	0.05	1.37	No
579	7.6666667	30	0.05	1.37	No
580	7.6666667	30	0.05	1.37	No
581	7.6666667	30	0.05	1.37	No
582	7.6666667	30	0.05	1.37	No
583	7.6666667	30	0.05	1.37	No
584	7.6666667	30	0.05	1.37	No
585	7.6666667	30	0.05	1.37	No
586	7.6666667	30	0.05	1.37	No
587	7.6666667	30	0.05	1.37	No
588	7.6666667	30	0.05	1.37	No
589	7.6666667	30	0.05	1.37	No
590	7.6666667	30	0.05	1.37	No
591	7.6666667	30	0.05	1.37	No
592	7.6666667	30	0.05	1.37	No
593	7.6666667	30	0.05	1.37	No
594	7.6666667	30	0.05	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
595	7.6666667	30	0.05	1.37	No
596	7.6666667	30	0.05	1.37	No
597	7.6666667	30	0.05	1.37	No
598	7.6666667	30	0.05	1.37	No
599	7.6666667	30	0.05	1.37	No
600	7.6666667	30	0.05	1.37	No
601	7.6666667	30	0.05	1.37	No
602	7.6666667	30	0.05	1.37	No
603	7.6666667	30	0.05	1.37	No
604	7.6666667	30	0.05	1.37	No
605	7.6666667	30	0.05	1.37	No
606	7.6666667	30	0.05	1.37	No
607	7.6666667	30	0.05	1.37	No
608	7.6666667	30	0.05	1.37	No
609	7.6666667	30	0.05	1.37	No
610	7.6666667	30	0.05	1.37	No
611	7.6666667	30	0.05	1.37	No
612	7.6666667	30	0.05	1.37	No
613	7.6666667	30	0.05	1.37	No
614	7.6666667	30	0.05	1.37	No
615	7.6666667	30	0.05	1.37	No
616	7.6666667	30	0.05	1.37	No
617	7.6666667	30	0.05	1.37	No
618	7.6666667	30	0.05	1.37	No
619	7.6666667	30	0.05	1.37	No
620	7.6666667	30	0.05	1.37	No
621	7.6666667	30	0.05	1.37	No
622	7.6666667	30	0.05	1.37	No
623	7.6666667	30	0.05	1.37	No
624	7.6666667	30	0.04	1.37	No
625	7.6666667	30	0.04	1.37	No
626	7.6666667	30	0.04	1.37	No
627	7.6666667	30	0.04	1.37	No
628	7.6666667	30	0.04	1.37	No
629	7.6666667	30	0.04	1.37	No
630	7.6666667	30	0.04	1.37	No
631	7.6666667	30	0.04	1.37	No
632	7.6666667	30	0.04	1.37	No
633	7.6666667	30	0.04	1.37	No
634	7.6666667	30	0.04	1.37	No
635	7.6666667	30	0.04	1.37	No
636	7.6666667	30	0.04	1.37	No
637	7.6666667	30	0.04	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
638	7.6666667	30	0.04	1.37	No
639	7.6666667	30	0.04	1.37	No
640	7.6666667	30	0.04	1.37	No
641	7.6666667	30	0.04	1.37	No
642	7.6666667	30	0.04	1.37	No
643	7.6666667	30	0.04	1.37	No
644	7.6666667	30	0.04	1.37	No
645	7.6666667	30	0.04	1.37	No
646	7.6666667	30	0.04	1.37	No
647	7.6666667	30	0.04	1.37	No
648	7.6666667	30	0.04	1.37	No
649	7.6666667	30	0.04	1.37	No
650	7.6666667	30	0.04	1.37	No
651	7.6666667	30	0.04	1.37	No
652	7.6666667	30	0.04	1.37	No
653	7.6666667	30	0.04	1.37	No
654	7.6666667	30	0.04	1.37	No
655	7.6666667	30	0.04	1.37	No
656	7.6666667	30	0.04	1.37	No
657	7.6666667	30	0.04	1.37	No
658	7.6666667	30	0.04	1.37	No
659	7.6666667	30	0.04	1.37	No
660	7.6666667	30	0.04	1.37	No
661	7.6666667	30	0.04	1.37	No
662	7.6666667	30	0.04	1.37	No
663	7.6666667	30	0.04	1.37	No
664	7.6666667	30	0.04	1.37	No
665	7.6666667	30	0.04	1.37	No
666	7.6666667	30	0.04	1.37	No
667	7.6666667	30	0.04	1.37	No
668	7.6666667	30	0.04	1.37	No
669	7.6666667	30	0.04	1.37	No
670	7.6666667	30	0.04	1.37	No
671	7.6666667	30	0.04	1.37	No
672	7.6666667	30	0.04	1.37	No
673	7.6666667	30	0.04	1.37	No
674	7.6666667	30	0.04	1.37	No
675	7.6666667	30	0.04	1.37	No
676	7.6666667	30	0.04	1.37	No
677	7.6666667	30	0.04	1.37	No
678	7.6666667	30	0.04	1.37	No
679	7.6666667	30	0.04	1.37	No
680	7.6666667	30	0.04	1.37	No
681	7.6666667	30	0.04	1.37	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
682	7.6666667	30	0.04	1.37	No
683	7.6666667	30	0.04	1.37	No
684	7.6666667	30	0.04	1.37	No
685	7.6666667	30	0.04	1.37	No
686	7.6666667	30	0.04	1.37	No
687	7.6666667	30	0.04	1.37	No
688	7.6666667	30	0.04	1.37	No
689	7.6666667	30	0.04	1.37	No
690	7.6666667	30	0.04	1.37	No
691	7.6666667	30	0.04	1.37	No
692	7.6666667	30	0.04	1.37	No
693	7.6666667	30	0.04	1.37	No
694	7.6666667	30	0.04	1.37	No
695	7.6666667	30	0.04	1.37	No
696	7.6666667	30	0.04	1.37	No
697	7.6666667	30	0.04	1.37	No
698	7.6666667	30	0.04	1.37	No
699	7.6666667	30	0.04	1.37	No
700	7.6666667	30	0.04	1.37	No
701	7.6666667	30	0.04	1.37	No
702	7.6666667	30	0.04	1.37	No
703	7.6666667	30	0.04	1.37	No
704	7.6666667	30	0.04	1.37	No
705	7.6666667	30	0.04	1.37	No
706	7.6666667	30	0.04	1.37	No
707	7.6666667	30	0.04	1.37	No
708	7.6666667	30	0.04	1.37	No
709	7.6666667	30	0.04	1.37	No
829	7.52	30	0.04	1.58	No
830	7.52	30	0.04	1.58	No
831	7.52	30	0.04	1.58	No
832	7.52	30	0.04	1.58	No
833	7.52	30	0.04	1.58	No
834	7.52	30	0.04	1.58	No
835	7.52	30	0.04	1.58	No
836	7.52	30	0.04	1.58	No
837	7.52	30	0.04	1.58	No
838	7.52	30	0.04	1.58	No
839	7.52	30	0.04	1.58	No
840	7.52	30	0.04	1.58	No
841	7.52	30	0.04	1.58	No
842	7.52	30	0.04	1.58	No
843	7.52	30	0.04	1.58	No
844	7.52	30	0.04	1.58	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
845	7.52	30	0.04	1.58	No
846	7.52	30	0.04	1.58	No
847	7.52	30	0.04	1.58	No
848	7.52	30	0.04	1.58	No
849	7.52	30	0.04	1.58	No
850	7.52	30	0.04	1.58	No
851	7.52	30	0.04	1.58	No
852	7.52	30	0.04	1.58	No
853	7.52	30	0.04	1.58	No
854	7.52	30	0.04	1.58	No
855	7.52	30	0.04	1.58	No
856	7.52	30	0.04	1.58	No
857	7.52	30	0.04	1.58	No
858	7.52	30	0.04	1.58	No
859	7.52	30	0.04	1.58	No
860	7.52	30	0.04	1.58	No
861	7.52	30	0.04	1.58	No
862	7.52	30	0.04	1.58	No
863	7.52	30	0.04	1.58	No
864	7.52	30	0.04	1.58	No
865	7.52	30	0.04	1.58	No
866	7.52	30	0.04	1.58	No
867	7.52	30	0.04	1.58	No
868	7.52	30	0.04	1.58	No
869	7.52	30	0.04	1.58	No
870	7.52	30	0.04	1.58	No
871	7.52	30	0.04	1.58	No
872	7.52	30	0.04	1.58	No
873	7.52	30	0.04	1.58	No
874	7.52	30	0.04	1.58	No
875	7.52	30	0.04	1.58	No
876	7.52	30	0.04	1.58	No
877	7.52	30	0.04	1.58	No
878	7.52	30	0.04	1.58	No
1047	7.4	30	0.04	1.74	No
1048	7.4	30	0.04	1.74	No
1049	7.4	30	0.04	1.74	No
1050	7.4	30	0.04	1.74	No
1051	7.4	30	0.04	1.74	No
1052	7.4	30	0.04	1.74	No
1053	7.4	30	0.04	1.74	No
1054	7.4	30	0.04	1.74	No
1055	7.4	30	0.04	1.74	No
1056	7.4	30	0.04	1.74	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1057	7.4	30	0.04	1.74	No
1058	7.4	30	0.04	1.74	No
1059	7.4	30	0.04	1.74	No
1060	7.4	30	0.04	1.74	No
1061	7.4	30	0.04	1.74	No
1062	7.4	30	0.04	1.74	No
1063	7.4	30	0.04	1.74	No
1064	7.4	30	0.04	1.74	No
1065	7.4	30	0.04	1.74	No
1066	7.4	30	0.04	1.74	No
1067	7.4	30	0.04	1.74	No
1068	7.4	30	0.04	1.74	No
1069	7.4	30	0.04	1.74	No
1070	7.4	30	0.04	1.74	No
1071	7.4	30	0.04	1.74	No
1072	7.4	30	0.04	1.74	No
1073	7.4	30	0.04	1.74	No
1074	7.4	30	0.04	1.74	No
1075	7.4	30	0.04	1.74	No
1076	7.4	30	0.04	1.74	No
1077	7.4	30	0.04	1.74	No
1078	7.4	30	0.04	1.74	No
1079	7.4	30	0.04	1.74	No
1080	7.4	30	0.04	1.74	No
1081	7.4	30	0.04	1.74	No
1082	7.4	30	0.04	1.74	No
1083	7.4	30	0.04	1.74	No
1084	7.4	30	0.04	1.74	No
1085	7.4	30	0.04	1.74	No
1086	7.4	30	0.04	1.74	No
1087	7.4	30	0.04	1.74	No
1088	7.4	30	0.04	1.74	No
1089	7.4	30	0.04	1.74	No
1090	7.4	30	0.04	1.74	No
1091	7.4	30	0.04	1.74	No
1092	7.4	30	0.04	1.74	No
1093	7.4	30	0.04	1.74	No
1094	7.4	30	0.04	1.74	No
1095	7.4	30	0.04	1.74	No
1096	7.4	30	0.04	1.74	No
1097	7.4	30	0.04	1.74	No
1098	7.4	30	0.04	1.74	No
1099	7.4	30	0.04	1.74	No
1100	7.4	30	0.04	1.74	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1101	7.4	30	0.04	1.74	No
1102	7.4	30	0.04	1.74	No
1103	7.4	30	0.04	1.74	No
1104	7.4	30	0.04	1.74	No
1105	7.4	30	0.04	1.74	No
1106	7.4	30	0.04	1.74	No
1107	7.4	30	0.04	1.74	No
1108	7.4	30	0.04	1.74	No
1109	7.4	30	0.04	1.74	No
1110	7.4	30	0.04	1.74	No
1111	7.4	30	0.04	1.74	No
1112	7.4	30	0.04	1.74	No
1113	7.4	30	0.04	1.74	No
1114	7.4	30	0.04	1.74	No
1115	7.4	30	0.04	1.74	No
1116	7.4	30	0.04	1.74	No
1117	7.4	30	0.04	1.74	No
1118	7.4	30	0.04	1.74	No
1119	7.4	30	0.04	1.74	No
1120	7.4	30	0.04	1.74	No
1121	7.4	30	0.04	1.74	No
1122	7.4	30	0.04	1.74	No
1123	7.4	30	0.04	1.74	No
1124	7.4	30	0.04	1.74	No
1125	7.4	30	0.04	1.74	No
1126	7.4	30	0.04	1.74	No
1127	7.4	30	0.04	1.74	No
1128	7.4	30	0.04	1.74	No
1129	7.4	30	0.04	1.74	No
1130	7.4	30	0.04	1.74	No
1131	7.4	30	0.04	1.74	No
1132	7.4	30	0.04	1.74	No
1133	7.4	30	0.04	1.74	No
1134	7.4	30	0.04	1.74	No
1135	7.4	30	0.04	1.74	No
1136	7.4	30	0.04	1.74	No
1137	7.4	30	0.04	1.74	No
1138	7.4	30	0.04	1.74	No
1139	7.4	30	0.04	1.74	No
1140	7.4	30	0.04	1.74	No
1141	7.4	30	0.04	1.74	No
1142	7.4	30	0.04	1.74	No
1143	7.4	30	0.04	1.74	No
1144	7.4	30	0.04	1.74	No

Table I-6. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1145	7.4	30	0.04	1.74	No
1146	7.4	30	0.04	1.74	No
1147	7.4	30	0.04	1.74	No
1148	7.4	30	0.04	1.74	No
1149	7.4	30	0.04	1.74	No
1150	7.4	30	0.04	1.74	No
1151	7.4	30	0.04	1.74	No
1152	7.4	30	0.04	1.74	No
1153	7.4	30	0.04	1.74	No
1154	7.4	30	0.04	1.74	No
1155	7.4	30	0.04	1.74	No

Table I-7. Ammonia toxicity results for subsegment 120110

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
1	7.5	30	0.03	1.61	No
2	7.5	30	0.03	1.61	No
3	7.5	30	0.03	1.61	No
4	7.5	30	0.03	1.61	No
5	7.5	30	0.03	1.61	No
6	7.5	30	0.03	1.61	No
7	7.5	30	0.03	1.61	No
8	7.5	30	0.03	1.61	No
9	7.5	30	0.03	1.61	No
10	7.5	30	0.03	1.61	No
11	7.5	30	0.03	1.61	No
12	7.5	30	0.03	1.61	No
13	7.5	30	0.03	1.61	No
14	7.5	30	0.03	1.61	No
15	7.5	30	0.03	1.61	No
16	7.5	30	0.03	1.61	No
17	7.5	30	0.03	1.61	No
18	7.5	30	0.03	1.61	No
19	7.5	30	0.03	1.61	No
20	7.5	30	0.03	1.61	No
21	7.5	30	0.03	1.61	No
22	7.5	30	0.03	1.61	No
23	7.5	30	0.03	1.61	No
24	7.5	30	0.03	1.61	No
25	7.5	30	0.03	1.61	No
26	7.5	30	0.03	1.61	No
27	7.5	30	0.03	1.61	No
28	7.5	30	0.03	1.61	No
29	7.5	30	0.03	1.61	No
30	7.5	30	0.03	1.61	No
31	7.5	30	0.03	1.61	No
32	7.5	30	0.03	1.61	No
33	7.5	30	0.03	1.61	No
34	7.5	30	0.03	1.61	No
35	7.5	30	0.03	1.61	No
36	7.5	30	0.03	1.61	No
37	7.5	30	0.03	1.61	No
38	7.5	30	0.03	1.61	No
39	7.5	30	0.03	1.61	No
40	7.5	30	0.03	1.61	No
41	7.5	30	0.03	1.61	No
42	7.5	30	0.03	1.61	No
43	7.5	30	0.03	1.61	No
44	7.5	30	0.03	1.61	No

Table I-7. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
45	7.5	30	0.03	1.61	No
46	7.5	30	0.03	1.61	No
47	7.5	30	0.03	1.61	No
48	7.5	30	0.03	1.61	No
49	7.5	30	0.03	1.61	No
50	7.5	30	0.03	1.61	No
51	7.5	30	0.03	1.61	No
52	7.5	30	0.03	1.61	No
53	7.5	30	0.03	1.61	No
54	7.5	30	0.03	1.61	No
55	7.5	30	0.03	1.61	No
56	7.5	30	0.03	1.61	No
57	7.5	30	0.03	1.61	No
58	7.5	30	0.03	1.61	No
59	7.5	30	0.03	1.61	No
60	7.5	30	0.03	1.61	No
61	7.5	30	0.03	1.61	No
62	7.5	30	0.03	1.61	No
63	7.5	30	0.03	1.61	No
64	7.5	30	0.03	1.61	No
65	7.5	30	0.03	1.61	No
66	7.5	30	0.03	1.61	No
67	7.5	30	0.03	1.61	No
68	7.5	30	0.03	1.61	No
69	7.5	30	0.03	1.61	No
70	7.5	30	0.03	1.61	No
71	7.5	30	0.03	1.61	No
72	7.5	30	0.03	1.61	No
73	7.5	30	0.03	1.61	No
74	7.5	30	0.03	1.61	No
75	7.5	30	0.03	1.61	No
76	7.5	30	0.03	1.61	No
77	7.5	30	0.03	1.61	No
78	7.5	30	0.03	1.61	No
79	7.5	30	0.03	1.61	No
80	7.5	30	0.03	1.61	No
81	7.5	30	0.03	1.61	No
82	7.5	30	0.03	1.61	No
83	7.5	30	0.03	1.61	No
84	7.5	30	0.03	1.61	No
85	7.5	30	0.03	1.61	No
86	7.5	30	0.03	1.61	No
87	7.5	30	0.03	1.61	No
88	7.5	30	0.03	1.61	No

Table I-7. (continued)

Model Element	Average observed pH	Model Temperature (℃)	Predicted NH3-N (mg N/L)	Calculated CCC (mg N/L)	Above CCC?
89	7.5	30	0.03	1.61	No
90	7.5	30	0.03	1.61	No
91	7.5	30	0.03	1.61	No
92	7.5	30	0.03	1.61	No
93	7.5	30	0.03	1.61	No
94	7.5	30	0.03	1.61	No
95	7.5	30	0.03	1.61	No
96	7.5	30	0.03	1.61	No
97	7.5	30	0.03	1.61	No
98	7.5	30	0.03	1.61	No
99	7.5	30	0.03	1.61	No
100	7.5	30	0.03	1.61	No
101	7.5	30	0.03	1.61	No
102	7.5	30	0.03	1.61	No
103	7.5	30	0.03	1.61	No
104	7.5	30	0.03	1.61	No
105	7.5	30	0.03	1.61	No
106	7.5	30	0.03	1.61	No
107	7.5	30	0.03	1.61	No
108	7.5	30	0.03	1.61	No
109	7.5	30	0.03	1.61	No
110	7.5	30	0.03	1.61	No
111	7.5	30	0.03	1.61	No
112	7.5	30	0.03	1.61	No
113	7.5	30	0.03	1.61	No
114	7.5	30	0.03	1.61	No
115	7.5	30	0.03	1.61	No
116	7.5	30	0.03	1.61	No
117	7.5	30	0.03	1.61	No
118	7.5	30	0.03	1.61	No
119	7.5	30	0.03	1.61	No
120	7.5	30	0.03	1.61	No
121	7.5	30	0.03	1.61	No
122	7.5	30	0.03	1.61	No
123	7.5	30	0.03	1.61	No
124	7.5	30	0.03	1.61	No
125	7.5	30	0.03	1.61	No