APPENDIX I

Estimated Water Quality for Forested Tributaries

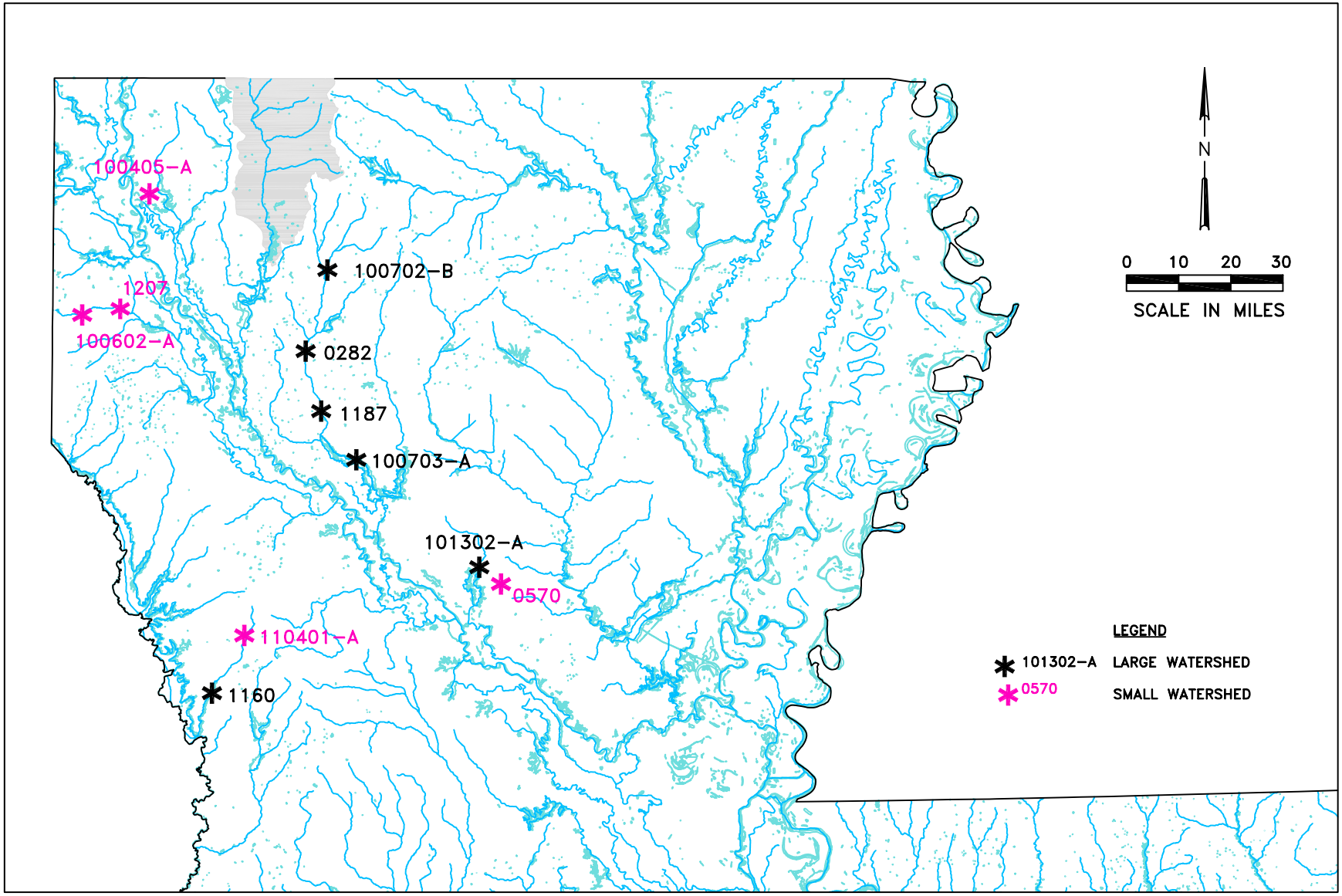

Figure I.1. Forested water quality stations.

Table I.1. Water quality for small heavily forested drainage area with no major point sources.

Stn #	Descrip	est Daily mean DO	TKN[1]	Ammonia[2]	CBODu[3]	Org N
570	Beaver Creek	8.62	1	0.1	****	0.90
110401-A	Toro Creek	2.88	1.4	0.16	****	1.24
100602-A	Boggy Bayou SE of Hicks Crossing	3	1.8	0.1	11.99	1.70
1207	Boggy Bayou SW of Shreveport	3.4	1.5	0.1	13.05	1.40
100405-A	Black Bayou nr Benton	1	2.4	0.56	12.47	1.84
	Average =	3.78	1.62	0.204	12.50	1.42

NOTE: 1.The highlighted TKN value was below detection limit ("<1 mg/L") so it was set to the detection limit.
2. The highighted Ammonia values were below detection limit ("<0.1 mg/L") so it was set to the detection limit.
3. Since all the values were below the detection limit of 2 mg/L, no analysis was performed at Station 570.

FILE: R:\PROJECTS\2110-616\TECH\LA-QUAL\BAYOU DORCHEAT\WQ FOR HEAVILY FORESTED TRIBS.XLS

Table I.2. Water quality for large heavily forested drainage area with no major point sources.

Stn #	Descrip	est Daily mean DO	TKN[1]	Ammonia[2]	CBODu[3]	Org N
100702-B	Leatherman Creek	7.32	2.40	0.32	9.62	2.08
282	Black Lake Bayou w of Castor	11.09	1.60	0.22	--	1.38
1187	Black Lake Bayou @ Hwy 155	9.33	1.70	0.17	--	1.53
100703-A	Black Lake NE Campti	7.17	1.80	0.17	5.40	1.63
101302-A	Iatt Creek	1.20	1.20	0.18	5.40	1.63
1160	Bayou Toro NE of Toro	10.94	1.70	0.14	--	1.63
	Average =	7.84	1.73	0.20	6.80	1.65

NOTE: 1.The highlighted TKN value was below detection limit ("<1 mg/L") so it was set to the detection limit.

FILE: R:\PROJECTS\2110-616\TECH\LA-QUAL\BAYOU DORCHEAT\WQ FOR HEAVILY FORESTED TRIBS.XLS

APPENDIX J

Model Calibration Output Results

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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is D:\comp_models\LA-QUAL_8p11\PMDorcheat_Calib.txt
Output produced at 13:30 on 09/28/2007

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Bayou Dorcheat
TITLE02         Calibration to FTN 2005 field survey
CNTROL03   NO   SEQU                        <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                        <Warning: legacy control - line ignored>
ENDATA01

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

CARD TYPE       MODEL OPTION

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

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =        2.00000 (widths and depths)
PROGRAM         MAXIMUM ITERATION LIMIT            =      999.00000
PROGRAM         N INHIBITION EQUATION              =        1.00000 (two-step)
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

THETA        NH3 DECA       1.07000
```

ENDATA04

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA05

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	D1	Bayou Dorcheat	69.70	TO	65.20	0.1000	4.50	45	1	45
REACH ID	2	B1	Braley Creek	3.50	TO	0.00	0.1000	3.50	35	46	80
REACH ID	3	D2	Bayou Dorcheat	65.20	TO	58.80	0.1000	6.40	64	81	144
REACH ID	4	D3	Bayou Dorcheat	58.80	TO	52.50	0.1000	6.30	63	145	207
REACH ID	5	D4	Bayou Dorcheat	52.50	TO	38.60	0.1000	13.90	139	208	346
REACH ID	6	D5	Bayou Dorcheat	38.60	TO	25.70	0.1000	12.90	129	347	475
REACH ID	7	D6	Bayou Dorcheat	25.70	TO	14.50	0.1000	11.20	112	476	587
REACH ID	8	D7	Bayou Dorcheat	14.50	TO	7.20	0.1000	7.30	73	588	660
REACH ID	9	M1	Mile Creek	4.20	TO	3.50	0.1000	0.70	7	661	667
REACH ID	10	M2	Mile Creek	3.50	TO	2.30	0.1000	1.20	12	668	679
REACH ID	11	M3	Mile Creek	2.30	TO	1.80	0.1000	0.50	5	680	684
REACH ID	12	M4	Mile Creek	1.80	TO	0.00	0.1000	1.80	18	685	702
REACH ID	13	D8	Bayou Dorcheat	7.20	TO	0.00	0.1000	7.20	72	703	774

ENDATA08

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

CARD TYPE	REACH	ID	WIDTH "A"	WIDTH "B"	WIDTH "C"	DEPTH "D"	DEPTH "E"	DEPTH "F"	SLOPE	MANNINGS "N"
HYDR-1	1	D1	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	2	B1	0.000	0.000	3.180	0.000	0.000	0.540	0.00000	0.000
HYDR-1	3	D2	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	4	D3	0.000	0.000	65.220	0.000	0.000	3.140	0.00000	0.000

HYDR-1	5	D4	0.000	0.000	35.960	0.000	0.000	3.140	0.00000	0.000
HYDR-1	6	D5	0.000	0.000	20.420	0.000	0.000	3.080	0.00000	0.000
HYDR-1	7	D6	0.000	0.000	18.290	0.000	0.000	3.020	0.00000	0.000
HYDR-1	8	D7	0.000	0.000	33.830	0.000	0.000	2.960	0.00000	0.000
HYDR-1	9	M1	0.000	0.000	5.390	0.000	0.000	0.230	0.00000	0.000
HYDR-1	10	M2	0.000	0.000	5.760	0.000	0.000	0.370	0.00000	0.000
HYDR-1	11	M3	0.000	0.000	15.480	0.000	0.000	0.580	0.00000	0.000
HYDR-1	12	M4	0.000	0.000	16.670	0.000	0.000	1.430	0.00000	0.000
HYDR-1	13	D8	0.000	0.000	50.290	0.000	0.000	2.960	0.00000	0.000

ENDATA09

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

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

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	D1	27.10	0.00	1.80	0.19	0.00	0.00	16.00	0.00
INITIAL	2	B1	27.10	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	3	D2	28.70	0.00	1.97	0.19	0.00	0.00	16.00	0.00
INITIAL	4	D3	30.20	0.00	2.13	0.19	0.00	0.00	16.00	0.00
INITIAL	5	D4	31.80	0.00	2.30	0.19	0.00	0.00	16.00	0.00
INITIAL	6	D5	32.10	0.00	2.47	0.19	0.00	0.00	16.00	0.00
INITIAL	7	D6	32.30	0.00	2.63	0.19	0.00	0.00	16.00	0.00
INITIAL	8	D7	32.60	0.00	2.80	0.19	0.00	0.00	16.00	0.00
INITIAL	9	M1	27.10	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	10	M2	27.10	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	11	M3	27.10	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	12	M4	27.10	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	13	D8	29.10	0.00	5.10	0.19	0.00	0.00	16.00	0.00

ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$

CARD TYPE	RCH NUM	RCH ID	K2 OPT	K2 "A"	K2 "B"	K2 "C"	BKGRND SOD g/m²/d	BOD DECAY per day	BOD SETT m/d	BOD CONV TO SOD	ANAER BOD2 DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEFF-1	1	D1	20 K2=a/D	0.840	0.000	0.000	3.600	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	2	B1	15 LOUISIANA	0.000	0.000	0.000	0.500	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	3	D2	20 K2=a/D	0.840	0.000	0.000	2.500	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	4	D3	20 K2=a/D	0.970	0.000	0.000	1.800	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	5	D4	20 K2=a/D	0.890	0.000	0.000	0.650	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	6	D5	20 K2=a/D	0.810	0.000	0.000	0.500	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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COEFF-1    7   D6  20 K2=a/D          0.800     0.000     0.000     0.500     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1    8   D7  20 K2=a/D          0.880     0.000     0.000     1.300     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1    9   M1  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   10   M2  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   11   M3  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   12   M4  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   13   D8  20 K2=a/D          0.970     0.000     0.000     0.500     0.150     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   D1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          2   B1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          3   D2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          4   D3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          5   D4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          6   D5       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          7   D6       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          8   D7       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          9   M1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         10   M2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         11   M3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         12   M4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         13   D8       0.020     0.000     1.000       0.080     0.000     0.000     0.000
ENDATA13

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

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

ENDATA14

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

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

ENDATA15

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

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

ENDATA16
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$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE	REACH	ID	DO	BOD	ORG-N	NH3-N	NO3-N	BOD#2

ENDATA17

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

CARD TYPE	REACH	ID	PHOS	CHL A	COLI	NCM

ENDATA18

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

CARD TYPE	REACH	ID	BOD#1	ORG-N	COLI	NCM	DO	BOD#2
NONPOINT	1	D1	350.00	12.00	0.00	0.00	0.00	0.00
NONPOINT	2	B1	10.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	D2	700.00	20.00	0.00	0.00	0.00	0.00
NONPOINT	4	D3	2600.00	50.00	0.00	0.00	0.00	0.00
NONPOINT	5	D4	4000.00	60.00	0.00	0.00	0.00	0.00
NONPOINT	6	D5	2000.00	30.00	0.00	0.00	0.00	0.00
NONPOINT	7	D6	1400.00	23.00	0.00	0.00	0.00	0.00
NONPOINT	8	D7	1400.00	26.00	0.00	0.00	0.00	0.00
NONPOINT	9	M1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	M2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	11	M3	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	12	M4	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	13	D8	1900.00	38.00	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 m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I	CM-II	
HDWTR-1	1	Bayou Dorcheat	0	0.05700	2.013	27.10	0.00	0.000	0.000	0.00
HDWTR-1	46	Braley Creek	0	0.00006	0.002	27.10	0.00	0.000	0.000	0.00
HDWTR-1	661	Mile Creek	0	0.00400	0.141	27.10	0.00	0.000	0.000	0.00

ENDATA20

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD#1 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	BOD#2 mg/L
HDWTR-2	1	Bayou Dorcheat	2.10	4.43	1.40	0.20	0.00	0.00
HDWTR-2	46	Braley Creek	3.78	12.50	1.42	0.20	0.00	0.00
HDWTR-2	661	Mile Creek	3.78	12.50	1.42	0.20	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	81	45	65.20	Braley Creek and Bayou Dorcheat
JUNCTION	703	660	7.20	Mile Creek and Bayou Dorcheat

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW	FLOW	FLOW	TEMP	SALIN	CM-I	CM-II
				m^3/s	cfs	MGD	deg C	ppt		
WSTLD-1	46	3.50	PS: Cullen WWTP	0.00870	0.30720	0.199	26.30	0.00	0.000	0.000
WSTLD-1	51	3.00	Braley Creek Trib	0.00020	0.00706	0.005	27.10	0.00	0.000	0.000
WSTLD-1	176	55.70	Indian Creek	0.00530	0.18715	0.121	27.10	0.00	0.000	0.000
WSTLD-1	305	42.80	Black Bayou	0.00890	0.31427	0.203	27.10	0.00	0.000	0.000
WSTLD-1	390	34.30	Flat Lick Bayou	0.01090	0.38489	0.249	27.10	0.00	0.000	0.000
WSTLD-1	613	12.00	PS: Dixie Inn	0.00190	0.06709	0.043	26.30	0.00	0.000	0.000
WSTLD-1	661	4.20	PS: Minden WWTP	0.06500	2.29520	1.484	26.30	0.00	0.000	0.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO	BOD	% 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	46	PS: Cullen WWTP	5.00	10.30	0.00	1.83	3.65	0.00	0.00	0.00
WSTLD-2	51	Braley Creek Trib	3.78	12.50	0.00	1.42	0.20	0.00	0.00	0.00
WSTLD-2	176	Indian Creek	7.84	6.80	0.00	1.65	0.20	0.00	0.00	0.00
WSTLD-2	305	Black Bayou	7.84	6.80	0.00	1.65	0.20	0.00	0.00	0.00
WSTLD-2	390	Flat Lick Bayou	7.84	6.80	0.00	1.65	0.20	0.00	0.00	0.00
WSTLD-2	613	PS: Dixie Inn	5.00	18.70	0.00	1.67	3.33	0.00	0.00	0.00
WSTLD-2	661	PS: Minden WWTP	5.00	7.60	0.00	1.67	3.33	0.00	0.00	0.00

ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE	ELEMENT	NAME	PHOS	CHL A	COLI	NCM

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

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


OVERLAY 1 Dorcheat.OVL                    :Bayou Dorcheat (Rch 1;3-8;13); State Line to Lake Bistine
OVERLAY 2 Braley.OVL                      :Braley Creek (Rch 2); US of Cullen STP to Bayou Dorcheat
OVERLAY 3 TenMile.OVL                     :Ten Mile Creek (Rch 9-12); US Minden STP to Bayou Dorchea
ENDATA31



     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN  16 ITERATIONS
     .....CONSTITUENT CALCULATIONS COMPLETED
```

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***** 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
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FINAL REPORT Bayou Dorcheat — LA-QUAL Model for Bayou Dorcheat
REACH NO. 1 Bayou Dorcheat — Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
1	HDWTR	0.05700	27.10	0.00	0.00	0.00	2.10	4.43	0.00	4.43	0.00	1.40	0.20	0.00	0.00	16.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
1	69.70	69.60	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
2	69.60	69.50	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
3	69.50	69.40	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
4	69.40	69.30	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
5	69.30	69.20	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
6	69.20	69.10	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
7	69.10	69.00	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
8	69.00	68.90	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
9	68.90	68.80	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
10	68.80	68.70	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
11	68.70	68.60	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
12	68.60	68.50	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
13	68.50	68.40	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
14	68.40	68.30	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
15	68.30	68.20	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
16	68.20	68.10	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
17	68.10	68.00	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
18	68.00	67.90	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
19	67.90	67.80	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
20	67.80	67.70	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
21	67.70	67.60	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
22	67.60	67.50	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
23	67.50	67.40	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
24	67.40	67.30	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
25	67.30	67.20	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001

26	67.20	67.10	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
27	67.10	67.00	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
28	67.00	66.90	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
29	66.90	66.80	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
30	66.80	66.70	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
31	66.70	66.60	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
32	66.60	66.50	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
33	66.50	66.40	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
34	66.40	66.30	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
35	66.30	66.20	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
36	66.20	66.10	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
37	66.10	66.00	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
38	66.00	65.90	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
39	65.90	65.80	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
40	65.80	65.70	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
41	65.70	65.60	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
42	65.60	65.50	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
43	65.50	65.40	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
44	65.40	65.30	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
45	65.30	65.20	0.05700	0.0	0.00072	1.61	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
TOT						72.59			357488.91	113850.00					
AVG					0.0007		3.14	25.30			79.44				
CUM						72.59									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
1	69.600	7.95	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.64	5.64	5.64	0.02	0.00	0.09	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
2	69.500	7.94	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.65	5.65	5.65	0.02	0.00	0.09	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
3	69.400	7.94	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.67	5.67	5.66	0.02	0.00	0.09	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
4	69.300	7.93	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.68	5.68	5.68	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
5	69.200	7.93	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.69	5.69	5.69	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
6	69.100	7.92	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.71	5.71	5.70	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
7	69.000	7.92	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.72	5.72	5.72	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
8	68.900	7.91	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.73	5.73	5.73	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
9	68.800	7.91	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.74	5.74	5.74	0.02	0.00	0.09	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
10	68.700	7.90	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.76	5.76	5.75	0.02	0.00	0.09	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
11	68.600	7.90	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.77	5.77	5.77	0.02	0.00	0.09	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
12	68.500	7.89	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.78	5.78	5.78	0.02	0.00	0.09	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
13	68.400	7.89	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.80	5.80	5.79	0.02	0.00	0.09	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
14	68.300	7.88	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.81	5.81	5.79	0.02	0.00	0.09	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
15	68.200	7.88	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.82	5.82	5.79	0.02	0.00	0.09	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
16	68.100	7.87	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.84	5.84	5.79	0.02	0.00	0.09	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
17	68.000	7.87	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.85	5.85	5.80	0.02	0.00	0.09	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00

18	67.900	7.86	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.86	5.86	5.80	0.02	0.00	0.09	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
19	67.800	7.86	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.87	5.87	5.80	0.02	0.00	0.09	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
20	67.700	7.85	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.89	5.89	5.81	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
21	67.600	7.85	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.90	5.90	5.81	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
22	67.500	7.84	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.91	5.91	5.82	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
23	67.400	7.84	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.93	5.93	5.82	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
24	67.300	7.83	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.94	5.94	5.83	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
25	67.200	7.83	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.95	5.95	5.83	0.02	0.00	0.09	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
26	67.100	7.82	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.97	5.97	5.84	0.02	0.00	0.09	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
27	67.000	7.82	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.98	5.98	5.84	0.02	0.00	0.09	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
28	66.900	7.81	0.31	0.21	0.00	0.00	0.00	0.00	0.00	5.99	5.99	5.85	0.02	0.00	0.09	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
29	66.800	7.81	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.01	6.01	5.85	0.02	0.00	0.09	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
30	66.700	7.80	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.02	6.02	5.86	0.02	0.00	0.09	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
31	66.600	7.80	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.03	6.03	5.87	0.02	0.00	0.09	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
32	66.500	7.79	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.05	6.05	5.87	0.02	0.00	0.09	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
33	66.400	7.79	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.06	6.06	5.88	0.02	0.00	0.09	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
34	66.300	7.78	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.08	6.08	5.88	0.02	0.00	0.09	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
35	66.200	7.78	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.09	6.09	5.89	0.02	0.00	0.09	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
36	66.100	7.78	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.10	6.10	5.90	0.02	0.00	0.09	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
37	66.000	7.77	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.12	6.12	5.90	0.02	0.00	0.09	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
38	65.900	7.77	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.13	6.13	5.91	0.02	0.00	0.09	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
39	65.800	7.76	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.14	6.14	5.92	0.02	0.00	0.09	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
40	65.700	7.76	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.16	6.16	5.92	0.02	0.00	0.09	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
41	65.600	7.75	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.17	6.17	5.93	0.02	0.00	0.09	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
42	65.500	7.75	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.18	6.18	5.94	0.02	0.00	0.09	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
43	65.400	7.74	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.20	6.20	5.94	0.02	0.00	0.09	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
44	65.300	7.74	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.21	6.21	5.95	0.02	0.00	0.10	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
45	65.200	7.73	0.31	0.21	0.00	0.00	0.00	0.00	0.00	6.23	6.23	5.96	0.02	0.00	0.10	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.27	0.15	0.00	0.00	0.00	0.00	0.00	3.60			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
1	69.600	27.14	0.00	0.00	0.00	2.19	4.50	0.00	4.50	0.00	1.40	0.22	0.00	1.62	0.00	16.00	0.00	0.	0.00
2	69.500	27.17	0.00	0.00	0.00	2.22	4.55	0.00	4.55	0.00	1.40	0.24	0.00	1.64	0.00	16.00	0.00	0.	0.00
3	69.400	27.21	0.00	0.00	0.00	2.23	4.59	0.00	4.59	0.00	1.41	0.25	0.00	1.66	0.00	16.00	0.00	0.	0.00
4	69.300	27.24	0.00	0.00	0.00	2.21	4.61	0.00	4.61	0.00	1.41	0.26	0.00	1.67	0.00	16.00	0.00	0.	0.00
5	69.200	27.28	0.00	0.00	0.00	2.19	4.63	0.00	4.63	0.00	1.41	0.28	0.00	1.69	0.00	16.00	0.00	0.	0.00
6	69.100	27.31	0.00	0.00	0.00	2.17	4.64	0.00	4.64	0.00	1.41	0.29	0.00	1.70	0.00	16.00	0.00	0.	0.00
7	69.000	27.35	0.00	0.00	0.00	2.14	4.64	0.00	4.64	0.00	1.41	0.30	0.00	1.71	0.00	16.00	0.00	0.	0.00
8	68.900	27.38	0.00	0.00	0.00	2.11	4.65	0.00	4.65	0.00	1.41	0.30	0.00	1.72	0.00	16.00	0.00	0.	0.00
9	68.800	27.42	0.00	0.00	0.00	2.09	4.65	0.00	4.65	0.00	1.41	0.31	0.00	1.73	0.00	16.00	0.00	0.	0.00
10	68.700	27.46	0.00	0.00	0.00	2.07	4.64	0.00	4.64	0.00	1.42	0.32	0.00	1.73	0.00	16.00	0.00	0.	0.00

11	68.600	27.49	0.00	0.00	0.00	2.05	4.64	0.00	4.64	0.00	1.42	0.32	0.00	1.74	0.00	16.00	0.00	0.	0.00
12	68.500	27.53	0.00	0.00	0.00	2.03	4.64	0.00	4.64	0.00	1.42	0.33	0.00	1.75	0.00	16.00	0.00	0.	0.00
13	68.400	27.56	0.00	0.00	0.00	2.01	4.63	0.00	4.63	0.00	1.42	0.33	0.00	1.75	0.00	16.00	0.00	0.	0.00
14	68.300	27.60	0.00	0.00	0.00	1.99	4.63	0.00	4.63	0.00	1.42	0.34	0.00	1.76	0.00	16.00	0.00	0.	0.00
15	68.200	27.63	0.00	0.00	0.00	1.99	4.63	0.00	4.63	0.00	1.42	0.34	0.00	1.76	0.00	16.00	0.00	0.	0.00
16	68.100	27.67	0.00	0.00	0.00	1.99	4.62	0.00	4.62	0.00	1.42	0.34	0.00	1.77	0.00	16.00	0.00	0.	0.00
17	68.000	27.70	0.00	0.00	0.00	1.98	4.62	0.00	4.62	0.00	1.42	0.35	0.00	1.77	0.00	16.00	0.00	0.	0.00
18	67.900	27.74	0.00	0.00	0.00	1.98	4.62	0.00	4.62	0.00	1.42	0.35	0.00	1.77	0.00	16.00	0.00	0.	0.00
19	67.800	27.78	0.00	0.00	0.00	1.98	4.62	0.00	4.62	0.00	1.42	0.35	0.00	1.77	0.00	16.00	0.00	0.	0.00
20	67.700	27.81	0.00	0.00	0.00	1.97	4.62	0.00	4.62	0.00	1.42	0.35	0.00	1.78	0.00	16.00	0.00	0.	0.00
21	67.600	27.85	0.00	0.00	0.00	1.97	4.62	0.00	4.62	0.00	1.42	0.35	0.00	1.78	0.00	16.00	0.00	0.	0.00
22	67.500	27.88	0.00	0.00	0.00	1.97	4.62	0.00	4.62	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
23	67.400	27.92	0.00	0.00	0.00	1.96	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
24	67.300	27.95	0.00	0.00	0.00	1.96	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
25	67.200	27.99	0.00	0.00	0.00	1.96	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
26	67.100	28.02	0.00	0.00	0.00	1.96	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
27	67.000	28.06	0.00	0.00	0.00	1.95	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
28	66.900	28.10	0.00	0.00	0.00	1.95	4.62	0.00	4.62	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
29	66.800	28.13	0.00	0.00	0.00	1.95	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
30	66.700	28.17	0.00	0.00	0.00	1.95	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
31	66.600	28.20	0.00	0.00	0.00	1.94	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
32	66.500	28.24	0.00	0.00	0.00	1.94	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
33	66.400	28.27	0.00	0.00	0.00	1.94	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
34	66.300	28.31	0.00	0.00	0.00	1.94	4.61	0.00	4.61	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
35	66.200	28.34	0.00	0.00	0.00	1.94	4.60	0.00	4.60	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
36	66.100	28.38	0.00	0.00	0.00	1.93	4.60	0.00	4.60	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
37	66.000	28.42	0.00	0.00	0.00	1.93	4.60	0.00	4.60	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
38	65.900	28.45	0.00	0.00	0.00	1.93	4.60	0.00	4.60	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
39	65.800	28.49	0.00	0.00	0.00	1.93	4.60	0.00	4.60	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
40	65.700	28.52	0.00	0.00	0.00	1.92	4.59	0.00	4.59	0.00	1.43	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
41	65.600	28.56	0.00	0.00	0.00	1.92	4.59	0.00	4.59	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
42	65.500	28.59	0.00	0.00	0.00	1.92	4.59	0.00	4.59	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
43	65.400	28.63	0.00	0.00	0.00	1.92	4.59	0.00	4.59	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
44	65.300	28.66	0.00	0.00	0.00	1.92	4.58	0.00	4.58	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00
45	65.200	28.70	0.00	0.00	0.00	1.91	4.58	0.00	4.58	0.00	1.42	0.36	0.00	1.78	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 3 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
81	UPR RCH	0.05700	28.70	0.00	0.00	0.00	1.91	4.58	0.00	4.58	0.00	1.42	0.36	0.00	0.00	16.00	0.00	0.00
81	TRIB	0.00896	28.70	0.00	0.00	0.00	5.76	8.17	0.00	8.17	0.00	1.52	1.52	1.89	0.00	16.00	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
81	65.20	65.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
82	65.10	65.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
83	65.00	64.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
84	64.90	64.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
85	64.80	64.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
86	64.70	64.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
87	64.60	64.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
88	64.50	64.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
89	64.40	64.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
90	64.30	64.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
91	64.20	64.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
92	64.10	64.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
93	64.00	63.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
94	63.90	63.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
95	63.80	63.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
96	63.70	63.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
97	63.60	63.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
98	63.50	63.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
99	63.40	63.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
100	63.30	63.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
101	63.20	63.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
102	63.10	63.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
103	63.00	62.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
104	62.90	62.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
105	62.80	62.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
106	62.70	62.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
107	62.60	62.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
108	62.50	62.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
109	62.40	62.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
110	62.30	62.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
111	62.20	62.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
112	62.10	62.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
113	62.00	61.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
114	61.90	61.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
115	61.80	61.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
116	61.70	61.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
117	61.60	61.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
118	61.50	61.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
119	61.40	61.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
120	61.30	61.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
121	61.20	61.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
122	61.10	61.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001

123	61.00	60.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
124	60.90	60.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
125	60.80	60.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
126	60.70	60.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
127	60.60	60.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
128	60.50	60.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
129	60.40	60.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
130	60.30	60.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
131	60.20	60.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
132	60.10	60.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
133	60.00	59.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
134	59.90	59.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
135	59.80	59.70	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
136	59.70	59.60	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
137	59.60	59.50	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
138	59.50	59.40	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
139	59.40	59.30	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
140	59.30	59.20	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
141	59.20	59.10	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
142	59.10	59.00	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
143	59.00	58.90	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
144	58.90	58.80	0.06596	13.5	0.00083	1.39	3.14	25.30	7944.20	2530.00	79.44	0.00	0.000	0.000	0.001
TOT						89.21			508428.47	161920.00					
AVG					0.0008		3.14	25.30			79.44				
CUM						161.80									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
81	65.100	7.73	0.31	0.22	0.00	0.00	0.00	0.00	0.00	4.33	4.33	4.33	0.02	0.00	0.11	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
82	65.000	7.73	0.31	0.22	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.02	0.00	0.11	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
83	64.900	7.72	0.31	0.22	0.00	0.00	0.00	0.00	0.00	4.34	4.34	4.34	0.02	0.00	0.11	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
84	64.800	7.72	0.32	0.22	0.00	0.00	0.00	0.00	0.00	4.35	4.35	4.35	0.02	0.00	0.11	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
85	64.700	7.72	0.32	0.22	0.00	0.00	0.00	0.00	0.00	4.36	4.36	4.36	0.02	0.00	0.11	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
86	64.600	7.71	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.36	4.36	4.36	0.02	0.00	0.11	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
87	64.500	7.71	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.37	4.37	4.37	0.02	0.00	0.10	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
88	64.400	7.71	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.38	4.38	4.38	0.02	0.00	0.10	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
89	64.300	7.70	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.38	4.38	4.38	0.02	0.00	0.10	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
90	64.200	7.70	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.39	4.39	4.39	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
91	64.100	7.70	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.39	4.39	4.39	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
92	64.000	7.69	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.40	4.40	4.40	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
93	63.900	7.69	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.41	4.41	4.41	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
94	63.800	7.69	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.41	4.41	4.41	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
95	63.700	7.68	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.42	4.42	4.42	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00

96	63.600	7.68	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.43	4.43	4.43	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
97	63.500	7.68	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.43	4.43	4.43	0.02	0.00	0.10	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
98	63.400	7.67	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.44	4.44	4.44	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
99	63.300	7.67	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.45	4.45	4.45	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
100	63.200	7.67	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.45	4.45	4.45	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
101	63.100	7.67	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.46	4.46	4.46	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
102	63.000	7.66	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.47	4.47	4.47	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
103	62.900	7.66	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.47	4.47	4.47	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
104	62.800	7.66	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.48	4.48	4.48	0.02	0.00	0.10	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
105	62.700	7.65	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.49	4.49	4.49	0.02	0.00	0.10	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
106	62.600	7.65	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.49	4.49	4.49	0.02	0.00	0.10	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
107	62.500	7.65	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.50	4.50	4.50	0.02	0.00	0.10	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
108	62.400	7.64	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.51	4.51	4.51	0.02	0.00	0.10	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
109	62.300	7.64	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.51	4.51	4.51	0.02	0.00	0.10	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
110	62.200	7.64	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.52	4.52	4.52	0.02	0.00	0.11	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
111	62.100	7.63	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.53	4.53	4.53	0.02	0.00	0.11	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
112	62.000	7.63	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.53	4.53	4.53	0.02	0.00	0.11	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
113	61.900	7.63	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.54	4.54	4.54	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
114	61.800	7.62	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.55	4.55	4.55	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
115	61.700	7.62	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.55	4.55	4.55	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
116	61.600	7.62	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.56	4.56	4.56	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
117	61.500	7.62	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.57	4.57	4.57	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
118	61.400	7.61	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.57	4.57	4.57	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
119	61.300	7.61	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.58	4.58	4.58	0.02	0.00	0.11	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
120	61.200	7.61	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.59	4.59	4.59	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
121	61.100	7.60	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.59	4.59	4.59	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
122	61.000	7.60	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.60	4.60	4.60	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
123	60.900	7.60	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
124	60.800	7.59	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
125	60.700	7.59	0.32	0.23	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
126	60.600	7.59	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
127	60.500	7.58	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.02	0.00	0.11	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
128	60.400	7.58	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.64	4.64	4.64	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
129	60.300	7.58	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.65	4.65	4.65	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
130	60.200	7.58	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
131	60.100	7.57	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.66	4.66	4.66	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
132	60.000	7.57	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.67	4.67	4.67	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
133	59.900	7.57	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
134	59.800	7.56	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.68	4.68	4.68	0.02	0.00	0.11	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
135	59.700	7.56	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.69	4.69	4.69	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
136	59.600	7.56	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
137	59.500	7.55	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.70	4.70	4.70	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
138	59.400	7.55	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.71	4.71	4.71	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
139	59.300	7.55	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
140	59.200	7.54	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.72	4.72	4.72	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
141	59.100	7.54	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.73	4.73	4.73	0.02	0.00	0.11	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
142	59.000	7.54	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.74	4.74	4.74	0.02	0.00	0.11	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
143	58.900	7.54	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.02	0.00	0.11	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
144	58.800	7.53	0.32	0.24	0.00	0.00	0.00	0.00	0.00	4.75	4.75	4.75	0.02	0.00	0.11	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE 0.27 0.15 0.00 0.00 0.00 0.00 0.00 2.50 0.02 0.00 0.08 0.00 0.00 0.00 0.00 0.00 0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
81	65.100	28.72	0.00	0.00	0.00	2.50	5.33	0.00	5.33	0.00	1.44	0.49	0.00	1.93	0.00	16.00	0.00	0.	0.00
82	65.000	28.75	0.00	0.00	0.00	2.50	5.52	0.00	5.52	0.00	1.45	0.47	0.00	1.92	0.00	16.00	0.00	0.	0.00
83	64.900	28.77	0.00	0.00	0.00	2.48	5.67	0.00	5.67	0.00	1.46	0.45	0.00	1.91	0.00	16.00	0.00	0.	0.00
84	64.800	28.79	0.00	0.00	0.00	2.45	5.78	0.00	5.78	0.00	1.46	0.43	0.00	1.90	0.00	16.00	0.00	0.	0.00
85	64.700	28.82	0.00	0.00	0.00	2.41	5.86	0.00	5.86	0.00	1.47	0.42	0.00	1.89	0.00	16.00	0.00	0.	0.00
86	64.600	28.84	0.00	0.00	0.00	2.38	5.92	0.00	5.92	0.00	1.47	0.41	0.00	1.88	0.00	16.00	0.00	0.	0.00
87	64.500	28.86	0.00	0.00	0.00	2.34	5.97	0.00	5.97	0.00	1.48	0.40	0.00	1.88	0.00	16.00	0.00	0.	0.00
88	64.400	28.89	0.00	0.00	0.00	2.32	6.00	0.00	6.00	0.00	1.49	0.39	0.00	1.88	0.00	16.00	0.00	0.	0.00
89	64.300	28.91	0.00	0.00	0.00	2.29	6.02	0.00	6.02	0.00	1.49	0.39	0.00	1.88	0.00	16.00	0.00	0.	0.00
90	64.200	28.93	0.00	0.00	0.00	2.27	6.04	0.00	6.04	0.00	1.50	0.38	0.00	1.88	0.00	16.00	0.00	0.	0.00
91	64.100	28.96	0.00	0.00	0.00	2.26	6.05	0.00	6.05	0.00	1.50	0.38	0.00	1.88	0.00	16.00	0.00	0.	0.00
92	64.000	28.98	0.00	0.00	0.00	2.24	6.06	0.00	6.06	0.00	1.51	0.37	0.00	1.88	0.00	16.00	0.00	0.	0.00
93	63.900	29.00	0.00	0.00	0.00	2.23	6.06	0.00	6.06	0.00	1.51	0.37	0.00	1.88	0.00	16.00	0.00	0.	0.00
94	63.800	29.03	0.00	0.00	0.00	2.22	6.06	0.00	6.06	0.00	1.51	0.37	0.00	1.88	0.00	16.00	0.00	0.	0.00
95	63.700	29.05	0.00	0.00	0.00	2.22	6.06	0.00	6.06	0.00	1.52	0.36	0.00	1.88	0.00	16.00	0.00	0.	0.00
96	63.600	29.08	0.00	0.00	0.00	2.21	6.06	0.00	6.06	0.00	1.52	0.36	0.00	1.89	0.00	16.00	0.00	0.	0.00
97	63.500	29.10	0.00	0.00	0.00	2.20	6.05	0.00	6.05	0.00	1.53	0.36	0.00	1.89	0.00	16.00	0.00	0.	0.00
98	63.400	29.12	0.00	0.00	0.00	2.20	6.05	0.00	6.05	0.00	1.53	0.36	0.00	1.89	0.00	16.00	0.00	0.	0.00
99	63.300	29.15	0.00	0.00	0.00	2.19	6.05	0.00	6.05	0.00	1.53	0.36	0.00	1.89	0.00	16.00	0.00	0.	0.00
100	63.200	29.17	0.00	0.00	0.00	2.19	6.04	0.00	6.04	0.00	1.54	0.36	0.00	1.90	0.00	16.00	0.00	0.	0.00
101	63.100	29.19	0.00	0.00	0.00	2.18	6.03	0.00	6.03	0.00	1.54	0.36	0.00	1.90	0.00	16.00	0.00	0.	0.00
102	63.000	29.22	0.00	0.00	0.00	2.18	6.03	0.00	6.03	0.00	1.54	0.36	0.00	1.90	0.00	16.00	0.00	0.	0.00
103	62.900	29.24	0.00	0.00	0.00	2.18	6.02	0.00	6.02	0.00	1.55	0.36	0.00	1.90	0.00	16.00	0.00	0.	0.00
104	62.800	29.26	0.00	0.00	0.00	2.17	6.02	0.00	6.02	0.00	1.55	0.36	0.00	1.91	0.00	16.00	0.00	0.	0.00
105	62.700	29.29	0.00	0.00	0.00	2.17	6.01	0.00	6.01	0.00	1.55	0.36	0.00	1.91	0.00	16.00	0.00	0.	0.00
106	62.600	29.31	0.00	0.00	0.00	2.16	6.00	0.00	6.00	0.00	1.56	0.36	0.00	1.91	0.00	16.00	0.00	0.	0.00
107	62.500	29.33	0.00	0.00	0.00	2.16	6.00	0.00	6.00	0.00	1.56	0.36	0.00	1.92	0.00	16.00	0.00	0.	0.00
108	62.400	29.36	0.00	0.00	0.00	2.16	5.99	0.00	5.99	0.00	1.56	0.36	0.00	1.92	0.00	16.00	0.00	0.	0.00
109	62.300	29.38	0.00	0.00	0.00	2.15	5.99	0.00	5.99	0.00	1.56	0.36	0.00	1.92	0.00	16.00	0.00	0.	0.00
110	62.200	29.40	0.00	0.00	0.00	2.15	5.98	0.00	5.98	0.00	1.56	0.36	0.00	1.92	0.00	16.00	0.00	0.	0.00
111	62.100	29.43	0.00	0.00	0.00	2.14	5.97	0.00	5.97	0.00	1.57	0.36	0.00	1.93	0.00	16.00	0.00	0.	0.00
112	62.000	29.45	0.00	0.00	0.00	2.14	5.97	0.00	5.97	0.00	1.57	0.36	0.00	1.93	0.00	16.00	0.00	0.	0.00
113	61.900	29.47	0.00	0.00	0.00	2.13	5.96	0.00	5.96	0.00	1.57	0.36	0.00	1.93	0.00	16.00	0.00	0.	0.00
114	61.800	29.50	0.00	0.00	0.00	2.13	5.95	0.00	5.95	0.00	1.57	0.36	0.00	1.93	0.00	16.00	0.00	0.	0.00
115	61.700	29.52	0.00	0.00	0.00	2.13	5.95	0.00	5.95	0.00	1.57	0.36	0.00	1.93	0.00	16.00	0.00	0.	0.00
116	61.600	29.54	0.00	0.00	0.00	2.12	5.94	0.00	5.94	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00
117	61.500	29.57	0.00	0.00	0.00	2.12	5.93	0.00	5.93	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00
118	61.400	29.59	0.00	0.00	0.00	2.11	5.93	0.00	5.93	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00

119	61.300	29.61	0.00	0.00	0.00	2.11	5.92	0.00	5.92	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00
120	61.200	29.64	0.00	0.00	0.00	2.11	5.92	0.00	5.92	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00
121	61.100	29.66	0.00	0.00	0.00	2.10	5.91	0.00	5.91	0.00	1.58	0.36	0.00	1.94	0.00	16.00	0.00	0.	0.00
122	61.000	29.68	0.00	0.00	0.00	2.10	5.90	0.00	5.90	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
123	60.900	29.71	0.00	0.00	0.00	2.09	5.90	0.00	5.90	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
124	60.800	29.73	0.00	0.00	0.00	2.09	5.89	0.00	5.89	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
125	60.700	29.75	0.00	0.00	0.00	2.09	5.88	0.00	5.88	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
126	60.600	29.78	0.00	0.00	0.00	2.08	5.88	0.00	5.88	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
127	60.500	29.80	0.00	0.00	0.00	2.08	5.87	0.00	5.87	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
128	60.400	29.83	0.00	0.00	0.00	2.07	5.86	0.00	5.86	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
129	60.300	29.85	0.00	0.00	0.00	2.07	5.86	0.00	5.86	0.00	1.59	0.36	0.00	1.95	0.00	16.00	0.00	0.	0.00
130	60.200	29.87	0.00	0.00	0.00	2.06	5.85	0.00	5.85	0.00	1.59	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
131	60.100	29.90	0.00	0.00	0.00	2.06	5.85	0.00	5.85	0.00	1.59	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
132	60.000	29.92	0.00	0.00	0.00	2.06	5.84	0.00	5.84	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
133	59.900	29.94	0.00	0.00	0.00	2.05	5.83	0.00	5.83	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
134	59.800	29.97	0.00	0.00	0.00	2.05	5.83	0.00	5.83	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
135	59.700	29.99	0.00	0.00	0.00	2.04	5.82	0.00	5.82	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
136	59.600	30.01	0.00	0.00	0.00	2.04	5.81	0.00	5.81	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
137	59.500	30.04	0.00	0.00	0.00	2.04	5.81	0.00	5.81	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
138	59.400	30.06	0.00	0.00	0.00	2.03	5.80	0.00	5.80	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
139	59.300	30.08	0.00	0.00	0.00	2.03	5.80	0.00	5.80	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
140	59.200	30.11	0.00	0.00	0.00	2.02	5.79	0.00	5.79	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
141	59.100	30.13	0.00	0.00	0.00	2.02	5.78	0.00	5.78	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
142	59.000	30.15	0.00	0.00	0.00	2.02	5.78	0.00	5.78	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
143	58.900	30.18	0.00	0.00	0.00	2.01	5.77	0.00	5.77	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00
144	58.800	30.20	0.00	0.00	0.00	2.01	5.76	0.00	5.76	0.00	1.60	0.36	0.00	1.96	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 4 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
145	UPR RCH	0.06596	30.20	0.00	0.00	0.00	2.01	5.76	0.00	5.76	0.00	1.60	0.36	0.00	0.00	16.00	0.00	0.00
176	WSTLD	0.00530	27.10	0.00	0.00	0.00	7.84	6.80	0.00	6.80	0.00	1.65	0.20	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
145	58.80	58.70	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
146	58.70	58.60	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000

147	58.60	58.50	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
148	58.50	58.40	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
149	58.40	58.30	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
150	58.30	58.20	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
151	58.20	58.10	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
152	58.10	58.00	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
153	58.00	57.90	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
154	57.90	57.80	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
155	57.80	57.70	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
156	57.70	57.60	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
157	57.60	57.50	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
158	57.50	57.40	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
159	57.40	57.30	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
160	57.30	57.20	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
161	57.20	57.10	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
162	57.10	57.00	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
163	57.00	56.90	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
164	56.90	56.80	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
165	56.80	56.70	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
166	56.70	56.60	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
167	56.60	56.50	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
168	56.50	56.40	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
169	56.40	56.30	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
170	56.30	56.20	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
171	56.20	56.10	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
172	56.10	56.00	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
173	56.00	55.90	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
174	55.90	55.80	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
175	55.80	55.70	0.06596	13.5	0.00032	3.59	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
176	55.70	55.60	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
177	55.60	55.50	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
178	55.50	55.40	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
179	55.40	55.30	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
180	55.30	55.20	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
181	55.20	55.10	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
182	55.10	55.00	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
183	55.00	54.90	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
184	54.90	54.80	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
185	54.80	54.70	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
186	54.70	54.60	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
187	54.60	54.50	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
188	54.50	54.40	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
189	54.40	54.30	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
190	54.30	54.20	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
191	54.20	54.10	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
192	54.10	54.00	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
193	54.00	53.90	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
194	53.90	53.80	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
195	53.80	53.70	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000

196	53.70	53.60	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
197	53.60	53.50	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
198	53.50	53.40	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
199	53.40	53.30	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
200	53.30	53.20	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
201	53.20	53.10	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
202	53.10	53.00	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
203	53.00	52.90	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
204	52.90	52.80	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
205	52.80	52.70	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
206	52.70	52.60	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
207	52.60	52.50	0.07126	19.9	0.00035	3.33	3.14	65.22	20479.08	6522.00	204.79	0.00	0.000	0.000	0.000
TOT						217.83			1290182.25	410886.00					
AVG					0.0003		3.14	65.22			204.79				
CUM						379.63									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
145	58.700	7.53	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.43	3.43	3.43	0.02	0.00	0.12	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
146	58.600	7.53	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.43	3.43	3.43	0.02	0.00	0.12	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
147	58.500	7.52	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.44	3.44	3.44	0.02	0.00	0.12	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
148	58.400	7.52	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.44	3.44	3.44	0.02	0.00	0.12	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
149	58.300	7.52	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.45	3.45	3.45	0.02	0.00	0.12	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
150	58.200	7.51	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.45	3.45	3.45	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
151	58.100	7.51	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.46	3.46	3.46	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
152	58.000	7.51	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.47	3.47	3.47	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
153	57.900	7.50	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.47	3.47	3.47	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
154	57.800	7.50	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.48	3.48	3.48	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
155	57.700	7.50	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.48	3.48	3.48	0.02	0.00	0.11	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
156	57.600	7.49	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.49	3.49	3.49	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
157	57.500	7.49	0.37	0.24	0.00	0.00	0.00	0.00	0.00	3.49	3.49	3.49	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
158	57.400	7.49	0.38	0.24	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
159	57.300	7.48	0.38	0.24	0.00	0.00	0.00	0.00	0.00	3.50	3.50	3.50	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
160	57.200	7.48	0.38	0.24	0.00	0.00	0.00	0.00	0.00	3.51	3.51	3.51	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
161	57.100	7.48	0.38	0.24	0.00	0.00	0.00	0.00	0.00	3.52	3.52	3.52	0.02	0.00	0.11	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
162	57.000	7.47	0.38	0.24	0.00	0.00	0.00	0.00	0.00	3.52	3.52	3.52	0.02	0.00	0.11	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
163	56.900	7.47	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.53	3.53	3.53	0.02	0.00	0.11	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
164	56.800	7.47	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.53	3.53	3.53	0.02	0.00	0.11	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
165	56.700	7.46	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.54	3.54	3.54	0.02	0.00	0.11	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
166	56.600	7.46	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.54	3.54	3.54	0.02	0.00	0.11	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
167	56.500	7.46	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.55	3.55	3.55	0.02	0.00	0.12	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
168	56.400	7.45	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.56	3.56	3.56	0.02	0.00	0.12	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
169	56.300	7.45	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.56	3.56	3.56	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00

170	56.200	7.45	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.57	3.57	3.57	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
171	56.100	7.44	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.57	3.57	3.57	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
172	56.000	7.44	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.58	3.58	3.58	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
173	55.900	7.44	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.58	3.58	3.58	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
174	55.800	7.43	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.59	3.59	3.59	0.02	0.00	0.12	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
175	55.700	7.43	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.60	3.60	3.60	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
176	55.600	7.43	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.60	3.60	3.60	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
177	55.500	7.42	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.61	3.61	3.61	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
178	55.400	7.42	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.61	3.61	3.61	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
179	55.300	7.42	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
180	55.200	7.42	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.62	3.62	3.62	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
181	55.100	7.41	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.63	3.63	3.63	0.02	0.00	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
182	55.000	7.41	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.64	3.64	3.64	0.02	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
183	54.900	7.41	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.64	3.64	3.64	0.02	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
184	54.800	7.40	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.65	3.65	3.65	0.02	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
185	54.700	7.40	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.65	3.65	3.65	0.02	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
186	54.600	7.40	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.66	3.66	3.66	0.02	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
187	54.500	7.39	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.03	0.00	0.12	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
188	54.400	7.39	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.67	3.67	3.67	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
189	54.300	7.39	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.68	3.68	3.68	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
190	54.200	7.38	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.68	3.68	3.68	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
191	54.100	7.38	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.69	3.69	3.69	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
192	54.000	7.38	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.69	3.69	3.69	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
193	53.900	7.37	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.70	3.70	3.70	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
194	53.800	7.37	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.71	3.71	3.71	0.03	0.00	0.12	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
195	53.700	7.37	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.71	3.71	3.71	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
196	53.600	7.36	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.72	3.72	3.72	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
197	53.500	7.36	0.38	0.25	0.00	0.00	0.00	0.00	0.00	3.72	3.72	3.72	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
198	53.400	7.36	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.73	3.73	3.73	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
199	53.300	7.35	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.74	3.74	3.74	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
200	53.200	7.35	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.74	3.74	3.74	0.03	0.00	0.12	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
201	53.100	7.35	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.75	3.75	3.75	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
202	53.000	7.35	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.75	3.75	3.75	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
203	52.900	7.34	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.76	3.76	3.76	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
204	52.800	7.34	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.77	3.77	3.77	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
205	52.700	7.34	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.77	3.77	3.77	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
206	52.600	7.33	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.78	3.78	3.78	0.03	0.00	0.12	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
207	52.500	7.33	0.38	0.26	0.00	0.00	0.00	0.00	0.00	3.78	3.78	3.78	0.03	0.00	0.12	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.31	0.15	0.00	0.00	0.00	0.00	0.00	1.80			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

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

145	58.700	30.23	0.00	0.00	0.00	2.61	6.98	0.00	6.98	0.00	1.60	0.35	0.00	1.95	0.00	16.00	0.00	0.	0.00
146	58.600	30.25	0.00	0.00	0.00	2.62	7.64	0.00	7.64	0.00	1.60	0.34	0.00	1.94	0.00	16.00	0.00	0.	0.00
147	58.500	30.28	0.00	0.00	0.00	2.50	7.98	0.00	7.98	0.00	1.60	0.34	0.00	1.94	0.00	16.00	0.00	0.	0.00
148	58.400	30.30	0.00	0.00	0.00	2.39	8.16	0.00	8.16	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
149	58.300	30.33	0.00	0.00	0.00	2.30	8.25	0.00	8.25	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
150	58.200	30.35	0.00	0.00	0.00	2.25	8.30	0.00	8.30	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
151	58.100	30.38	0.00	0.00	0.00	2.21	8.32	0.00	8.32	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
152	58.000	30.40	0.00	0.00	0.00	2.19	8.32	0.00	8.32	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
153	57.900	30.43	0.00	0.00	0.00	2.18	8.32	0.00	8.32	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
154	57.800	30.45	0.00	0.00	0.00	2.17	8.32	0.00	8.32	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
155	57.700	30.48	0.00	0.00	0.00	2.16	8.31	0.00	8.31	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
156	57.600	30.50	0.00	0.00	0.00	2.16	8.30	0.00	8.30	0.00	1.59	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
157	57.500	30.53	0.00	0.00	0.00	2.15	8.29	0.00	8.29	0.00	1.58	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
158	57.400	30.56	0.00	0.00	0.00	2.15	8.28	0.00	8.28	0.00	1.58	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
159	57.300	30.58	0.00	0.00	0.00	2.15	8.27	0.00	8.27	0.00	1.58	0.34	0.00	1.93	0.00	16.00	0.00	0.	0.00
160	57.200	30.61	0.00	0.00	0.00	2.15	8.26	0.00	8.26	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
161	57.100	30.63	0.00	0.00	0.00	2.15	8.26	0.00	8.26	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
162	57.000	30.66	0.00	0.00	0.00	2.14	8.25	0.00	8.25	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
163	56.900	30.68	0.00	0.00	0.00	2.14	8.24	0.00	8.24	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
164	56.800	30.71	0.00	0.00	0.00	2.14	8.23	0.00	8.23	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
165	56.700	30.73	0.00	0.00	0.00	2.14	8.22	0.00	8.22	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
166	56.600	30.76	0.00	0.00	0.00	2.14	8.21	0.00	8.21	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
167	56.500	30.78	0.00	0.00	0.00	2.13	8.20	0.00	8.20	0.00	1.58	0.34	0.00	1.92	0.00	16.00	0.00	0.	0.00
168	56.400	30.81	0.00	0.00	0.00	2.13	8.19	0.00	8.19	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
169	56.300	30.83	0.00	0.00	0.00	2.13	8.18	0.00	8.18	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
170	56.200	30.86	0.00	0.00	0.00	2.13	8.17	0.00	8.17	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
171	56.100	30.89	0.00	0.00	0.00	2.13	8.16	0.00	8.16	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
172	56.000	30.91	0.00	0.00	0.00	2.13	8.15	0.00	8.15	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
173	55.900	30.94	0.00	0.00	0.00	2.12	8.14	0.00	8.14	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
174	55.800	30.96	0.00	0.00	0.00	2.12	8.13	0.00	8.13	0.00	1.57	0.34	0.00	1.91	0.00	16.00	0.00	0.	0.00
175	55.700	30.99	0.00	0.00	0.00	2.12	8.12	0.00	8.12	0.00	1.57	0.34	0.00	1.90	0.00	16.00	0.00	0.	0.00
176	55.600	31.01	0.00	0.00	0.00	2.33	8.06	0.00	8.06	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
177	55.500	31.04	0.00	0.00	0.00	2.22	8.07	0.00	8.07	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
178	55.400	31.06	0.00	0.00	0.00	2.17	8.08	0.00	8.08	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
179	55.300	31.09	0.00	0.00	0.00	2.14	8.08	0.00	8.08	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
180	55.200	31.11	0.00	0.00	0.00	2.13	8.07	0.00	8.07	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
181	55.100	31.14	0.00	0.00	0.00	2.12	8.06	0.00	8.06	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
182	55.000	31.17	0.00	0.00	0.00	2.12	8.05	0.00	8.05	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
183	54.900	31.19	0.00	0.00	0.00	2.11	8.05	0.00	8.05	0.00	1.57	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
184	54.800	31.22	0.00	0.00	0.00	2.11	8.04	0.00	8.04	0.00	1.56	0.33	0.00	1.90	0.00	16.00	0.00	0.	0.00
185	54.700	31.24	0.00	0.00	0.00	2.11	8.03	0.00	8.03	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
186	54.600	31.27	0.00	0.00	0.00	2.10	8.02	0.00	8.02	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
187	54.500	31.29	0.00	0.00	0.00	2.10	8.01	0.00	8.01	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
188	54.400	31.32	0.00	0.00	0.00	2.10	8.00	0.00	8.00	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
189	54.300	31.34	0.00	0.00	0.00	2.10	7.99	0.00	7.99	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
190	54.200	31.37	0.00	0.00	0.00	2.10	7.98	0.00	7.98	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
191	54.100	31.39	0.00	0.00	0.00	2.09	7.97	0.00	7.97	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
192	54.000	31.42	0.00	0.00	0.00	2.09	7.96	0.00	7.96	0.00	1.56	0.33	0.00	1.89	0.00	16.00	0.00	0.	0.00
193	53.900	31.44	0.00	0.00	0.00	2.09	7.95	0.00	7.95	0.00	1.56	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00

194	53.800	31.47	0.00	0.00	0.00	2.09	7.94	0.00	7.94	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
195	53.700	31.50	0.00	0.00	0.00	2.09	7.93	0.00	7.93	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
196	53.600	31.52	0.00	0.00	0.00	2.09	7.93	0.00	7.93	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
197	53.500	31.55	0.00	0.00	0.00	2.08	7.92	0.00	7.92	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
198	53.400	31.57	0.00	0.00	0.00	2.08	7.91	0.00	7.91	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
199	53.300	31.60	0.00	0.00	0.00	2.08	7.90	0.00	7.90	0.00	1.55	0.33	0.00	1.88	0.00	16.00	0.00	0.	0.00
200	53.200	31.62	0.00	0.00	0.00	2.08	7.89	0.00	7.89	0.00	1.55	0.33	0.00	1.87	0.00	16.00	0.00	0.	0.00
201	53.100	31.65	0.00	0.00	0.00	2.08	7.88	0.00	7.88	0.00	1.55	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
202	53.000	31.67	0.00	0.00	0.00	2.08	7.87	0.00	7.87	0.00	1.55	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
203	52.900	31.70	0.00	0.00	0.00	2.07	7.86	0.00	7.86	0.00	1.55	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
204	52.800	31.72	0.00	0.00	0.00	2.07	7.85	0.00	7.85	0.00	1.55	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
205	52.700	31.75	0.00	0.00	0.00	2.07	7.84	0.00	7.84	0.00	1.55	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
206	52.600	31.77	0.00	0.00	0.00	2.07	7.83	0.00	7.83	0.00	1.54	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00
207	52.500	31.80	0.00	0.00	0.00	2.07	7.82	0.00	7.82	0.00	1.54	0.32	0.00	1.87	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 5 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
208	UPR RCH	0.07126	31.80	0.00	0.00	0.00	2.07	7.82	0.00	7.82	0.00	1.54	0.32	0.00	0.00	16.00	0.00	0.00
305	WSTLD	0.00890	27.10	0.00	0.00	0.00	7.84	6.80	0.00	6.80	0.00	1.65	0.20	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
208	52.50	52.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
209	52.40	52.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
210	52.30	52.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
211	52.20	52.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
212	52.10	52.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
213	52.00	51.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
214	51.90	51.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
215	51.80	51.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
216	51.70	51.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
217	51.60	51.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
218	51.50	51.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
219	51.40	51.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
220	51.30	51.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
221	51.20	51.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001

222	51.10	51.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
223	51.00	50.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
224	50.90	50.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
225	50.80	50.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
226	50.70	50.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
227	50.60	50.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
228	50.50	50.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
229	50.40	50.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
230	50.30	50.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
231	50.20	50.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
232	50.10	50.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
233	50.00	49.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
234	49.90	49.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
235	49.80	49.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
236	49.70	49.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
237	49.60	49.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
238	49.50	49.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
239	49.40	49.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
240	49.30	49.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
241	49.20	49.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
242	49.10	49.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
243	49.00	48.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
244	48.90	48.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
245	48.80	48.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
246	48.70	48.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
247	48.60	48.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
248	48.50	48.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
249	48.40	48.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
250	48.30	48.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
251	48.20	48.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
252	48.10	48.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
253	48.00	47.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
254	47.90	47.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
255	47.80	47.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
256	47.70	47.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
257	47.60	47.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
258	47.50	47.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
259	47.40	47.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
260	47.30	47.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
261	47.20	47.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
262	47.10	47.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
263	47.00	46.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
264	46.90	46.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
265	46.80	46.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
266	46.70	46.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
267	46.60	46.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
268	46.50	46.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
269	46.40	46.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
270	46.30	46.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001

271	46.20	46.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
272	46.10	46.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
273	46.00	45.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
274	45.90	45.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
275	45.80	45.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
276	45.70	45.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
277	45.60	45.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
278	45.50	45.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
279	45.40	45.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
280	45.30	45.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
281	45.20	45.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
282	45.10	45.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
283	45.00	44.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
284	44.90	44.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
285	44.80	44.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
286	44.70	44.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
287	44.60	44.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
288	44.50	44.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
289	44.40	44.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
290	44.30	44.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
291	44.20	44.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
292	44.10	44.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
293	44.00	43.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
294	43.90	43.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
295	43.80	43.70	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
296	43.70	43.60	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
297	43.60	43.50	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
298	43.50	43.40	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
299	43.40	43.30	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
300	43.30	43.20	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
301	43.20	43.10	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
302	43.10	43.00	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
303	43.00	42.90	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
304	42.90	42.80	0.07126	19.9	0.00063	1.83	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
305	42.80	42.70	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
306	42.70	42.60	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
307	42.60	42.50	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
308	42.50	42.40	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
309	42.40	42.30	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
310	42.30	42.20	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
311	42.20	42.10	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
312	42.10	42.00	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
313	42.00	41.90	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
314	41.90	41.80	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
315	41.80	41.70	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
316	41.70	41.60	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
317	41.60	41.50	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
318	41.50	41.40	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
319	41.40	41.30	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001

320	41.30	41.20	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
321	41.20	41.10	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
322	41.10	41.00	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
323	41.00	40.90	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
324	40.90	40.80	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
325	40.80	40.70	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
326	40.70	40.60	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
327	40.60	40.50	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
328	40.50	40.40	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
329	40.40	40.30	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
330	40.30	40.20	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
331	40.20	40.10	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
332	40.10	40.00	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
333	40.00	39.90	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
334	39.90	39.80	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
335	39.80	39.70	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
336	39.70	39.60	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
337	39.60	39.50	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
338	39.50	39.40	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
339	39.40	39.30	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
340	39.30	39.20	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
341	39.20	39.10	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
342	39.10	39.00	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
343	39.00	38.90	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
344	38.90	38.80	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
345	38.80	38.70	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
346	38.70	38.60	0.08016	28.8	0.00071	1.63	3.14	35.96	11291.44	3596.00	112.91	0.00	0.000	0.000	0.001
TOT						246.36			1569512.75	499844.00					
AVG					0.0007		3.14	35.96			112.91				
CUM						625.99									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
208	52.400	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
209	52.300	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.14	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
210	52.200	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.14	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
211	52.100	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
212	52.000	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
213	51.900	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
214	51.800	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
215	51.700	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
216	51.600	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
217	51.500	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00

218	51.400	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
219	51.300	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
220	51.200	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
221	51.100	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
222	51.000	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
223	50.900	7.33	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
224	50.800	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
225	50.700	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
226	50.600	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
227	50.500	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
228	50.400	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
229	50.300	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
230	50.200	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
231	50.100	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
232	50.000	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
233	49.900	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
234	49.800	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
235	49.700	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
236	49.600	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
237	49.500	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
238	49.400	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
239	49.300	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
240	49.200	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
241	49.100	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
242	49.000	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
243	48.900	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
244	48.800	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
245	48.700	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
246	48.600	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
247	48.500	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
248	48.400	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
249	48.300	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
250	48.200	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
251	48.100	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
252	48.000	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.37	1.37	1.37	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
253	47.900	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
254	47.800	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
255	47.700	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
256	47.600	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
257	47.500	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
258	47.400	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
259	47.300	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
260	47.200	7.32	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
261	47.100	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
262	47.000	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
263	46.900	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
264	46.800	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
265	46.700	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
266	46.600	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00

267	46.500	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
268	46.400	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
269	46.300	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
270	46.200	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
271	46.100	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
272	46.000	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
273	45.900	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
274	45.800	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
275	45.700	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
276	45.600	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
277	45.500	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
278	45.400	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
279	45.300	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
280	45.200	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
281	45.100	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
282	45.000	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
283	44.900	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
284	44.800	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
285	44.700	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
286	44.600	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
287	44.500	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
288	44.400	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
289	44.300	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
290	44.200	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
291	44.100	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
292	44.000	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
293	43.900	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
294	43.800	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
295	43.700	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
296	43.600	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
297	43.500	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
298	43.400	7.31	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
299	43.300	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
300	43.200	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
301	43.100	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
302	43.000	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
303	42.900	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
304	42.800	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
305	42.700	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.38	1.38	1.38	0.03	0.00	0.14	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
306	42.600	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.14	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
307	42.500	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
308	42.400	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
309	42.300	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
310	42.200	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
311	42.100	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
312	42.000	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
313	41.900	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
314	41.800	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
315	41.700	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00

316	41.600	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
317	41.500	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
318	41.400	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
319	41.300	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
320	41.200	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
321	41.100	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
322	41.000	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
323	40.900	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
324	40.800	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
325	40.700	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
326	40.600	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
327	40.500	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
328	40.400	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
329	40.300	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
330	40.200	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
331	40.100	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
332	40.000	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
333	39.900	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
334	39.800	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
335	39.700	7.30	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
336	39.600	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
337	39.500	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
338	39.400	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
339	39.300	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
340	39.200	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
341	39.100	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
342	39.000	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
343	38.900	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
344	38.800	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
345	38.700	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
346	38.600	7.29	0.35	0.26	0.00	0.00	0.00	0.00	0.00	1.39	1.39	1.39	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.28	0.15	0.00	0.00	0.00	0.00	0.00	0.65			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
208	52.400	31.80	0.00	0.00	0.00	2.54	8.48	0.00	8.48	0.00	1.54	0.32	0.00	1.86	0.00	16.00	0.00	0.	0.00
209	52.300	31.80	0.00	0.00	0.00	2.69	8.93	0.00	8.93	0.00	1.54	0.31	0.00	1.85	0.00	16.00	0.00	0.	0.00
210	52.200	31.81	0.00	0.00	0.00	2.70	9.24	0.00	9.24	0.00	1.54	0.31	0.00	1.85	0.00	16.00	0.00	0.	0.00
211	52.100	31.81	0.00	0.00	0.00	2.65	9.44	0.00	9.44	0.00	1.54	0.30	0.00	1.84	0.00	16.00	0.00	0.	0.00
212	52.000	31.81	0.00	0.00	0.00	2.58	9.58	0.00	9.58	0.00	1.54	0.30	0.00	1.84	0.00	16.00	0.00	0.	0.00
213	51.900	31.81	0.00	0.00	0.00	2.52	9.68	0.00	9.68	0.00	1.54	0.30	0.00	1.84	0.00	16.00	0.00	0.	0.00
214	51.800	31.82	0.00	0.00	0.00	2.46	9.74	0.00	9.74	0.00	1.54	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00

215	51.700	31.82	0.00	0.00	0.00	2.42	9.78	0.00	9.78	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
216	51.600	31.82	0.00	0.00	0.00	2.38	9.81	0.00	9.81	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
217	51.500	31.82	0.00	0.00	0.00	2.35	9.83	0.00	9.83	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
218	51.400	31.82	0.00	0.00	0.00	2.33	9.84	0.00	9.84	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
219	51.300	31.83	0.00	0.00	0.00	2.32	9.85	0.00	9.85	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
220	51.200	31.83	0.00	0.00	0.00	2.31	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
221	51.100	31.83	0.00	0.00	0.00	2.30	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
222	51.000	31.83	0.00	0.00	0.00	2.30	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
223	50.900	31.83	0.00	0.00	0.00	2.29	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
224	50.800	31.84	0.00	0.00	0.00	2.29	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
225	50.700	31.84	0.00	0.00	0.00	2.29	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
226	50.600	31.84	0.00	0.00	0.00	2.29	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
227	50.500	31.84	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.53	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
228	50.400	31.85	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
229	50.300	31.85	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
230	50.200	31.85	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
231	50.100	31.85	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
232	50.000	31.85	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.83	0.00	16.00	0.00	0.	0.00
233	49.900	31.86	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
234	49.800	31.86	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
235	49.700	31.86	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
236	49.600	31.86	0.00	0.00	0.00	2.28	9.86	0.00	9.86	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
237	49.500	31.86	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
238	49.400	31.87	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
239	49.300	31.87	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
240	49.200	31.87	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
241	49.100	31.87	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
242	49.000	31.88	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
243	48.900	31.88	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
244	48.800	31.88	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
245	48.700	31.88	0.00	0.00	0.00	2.28	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
246	48.600	31.88	0.00	0.00	0.00	2.29	9.85	0.00	9.85	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
247	48.500	31.89	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
248	48.400	31.89	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
249	48.300	31.89	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
250	48.200	31.89	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
251	48.100	31.89	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
252	48.000	31.90	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
253	47.900	31.90	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.52	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
254	47.800	31.90	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.51	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
255	47.700	31.90	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.51	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
256	47.600	31.91	0.00	0.00	0.00	2.29	9.84	0.00	9.84	0.00	1.51	0.30	0.00	1.82	0.00	16.00	0.00	0.	0.00
257	47.500	31.91	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
258	47.400	31.91	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
259	47.300	31.91	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
260	47.200	31.91	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
261	47.100	31.92	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
262	47.000	31.92	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
263	46.900	31.92	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00

264	46.800	31.92	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
265	46.700	31.93	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
266	46.600	31.93	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
267	46.500	31.93	0.00	0.00	0.00	2.29	9.83	0.00	9.83	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
268	46.400	31.93	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
269	46.300	31.93	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
270	46.200	31.94	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
271	46.100	31.94	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
272	46.000	31.94	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
273	45.900	31.94	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
274	45.800	31.94	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
275	45.700	31.95	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
276	45.600	31.95	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
277	45.500	31.95	0.00	0.00	0.00	2.29	9.82	0.00	9.82	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
278	45.400	31.95	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
279	45.300	31.96	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
280	45.200	31.96	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
281	45.100	31.96	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
282	45.000	31.96	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
283	44.900	31.96	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
284	44.800	31.97	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
285	44.700	31.97	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
286	44.600	31.97	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
287	44.500	31.97	0.00	0.00	0.00	2.29	9.81	0.00	9.81	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
288	44.400	31.97	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
289	44.300	31.98	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
290	44.200	31.98	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
291	44.100	31.98	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
292	44.000	31.98	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
293	43.900	31.99	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
294	43.800	31.99	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
295	43.700	31.99	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
296	43.600	31.99	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
297	43.500	31.99	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
298	43.400	32.00	0.00	0.00	0.00	2.29	9.80	0.00	9.80	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
299	43.300	32.00	0.00	0.00	0.00	2.29	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
300	43.200	32.00	0.00	0.00	0.00	2.29	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
301	43.100	32.00	0.00	0.00	0.00	2.29	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
302	43.000	32.01	0.00	0.00	0.00	2.29	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
303	42.900	32.01	0.00	0.00	0.00	2.29	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
304	42.800	32.01	0.00	0.00	0.00	2.30	9.79	0.00	9.79	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
305	42.700	32.01	0.00	0.00	0.00	2.74	9.56	0.00	9.56	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
306	42.600	32.01	0.00	0.00	0.00	2.62	9.62	0.00	9.62	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
307	42.500	32.02	0.00	0.00	0.00	2.53	9.67	0.00	9.67	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
308	42.400	32.02	0.00	0.00	0.00	2.47	9.70	0.00	9.70	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
309	42.300	32.02	0.00	0.00	0.00	2.42	9.73	0.00	9.73	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
310	42.200	32.02	0.00	0.00	0.00	2.39	9.74	0.00	9.74	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
311	42.100	32.02	0.00	0.00	0.00	2.36	9.75	0.00	9.75	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
312	42.000	32.03	0.00	0.00	0.00	2.35	9.76	0.00	9.76	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00

313	41.900	32.03	0.00	0.00	0.00	2.33	9.77	0.00	9.77	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
314	41.800	32.03	0.00	0.00	0.00	2.32	9.77	0.00	9.77	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
315	41.700	32.03	0.00	0.00	0.00	2.32	9.77	0.00	9.77	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
316	41.600	32.04	0.00	0.00	0.00	2.31	9.77	0.00	9.77	0.00	1.52	0.29	0.00	1.81	0.00	16.00	0.00	0.	0.00
317	41.500	32.04	0.00	0.00	0.00	2.31	9.77	0.00	9.77	0.00	1.52	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
318	41.400	32.04	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.52	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
319	41.300	32.04	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.52	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
320	41.200	32.04	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.52	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
321	41.100	32.05	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.52	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
322	41.000	32.05	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
323	40.900	32.05	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
324	40.800	32.05	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
325	40.700	32.05	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
326	40.600	32.06	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
327	40.500	32.06	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
328	40.400	32.06	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
329	40.300	32.06	0.00	0.00	0.00	2.30	9.77	0.00	9.77	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
330	40.200	32.07	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
331	40.100	32.07	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
332	40.000	32.07	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
333	39.900	32.07	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
334	39.800	32.07	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
335	39.700	32.08	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
336	39.600	32.08	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
337	39.500	32.08	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
338	39.400	32.08	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
339	39.300	32.08	0.00	0.00	0.00	2.30	9.76	0.00	9.76	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
340	39.200	32.09	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
341	39.100	32.09	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
342	39.000	32.09	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
343	38.900	32.09	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
344	38.800	32.10	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.81	0.00	16.00	0.00	0.	0.00
345	38.700	32.10	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
346	38.600	32.10	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 6 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
347	UPR RCH	0.08016	32.10	0.00	0.00	0.00	2.30	9.75	0.00	9.75	0.00	1.51	0.30	0.00	0.00	16.00	0.00	0.00
390	WSTLD	0.01090	27.10	0.00	0.00	0.00	7.84	6.80	0.00	6.80	0.00	1.65	0.20	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
347	38.60	38.50	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
348	38.50	38.40	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
349	38.40	38.30	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
350	38.30	38.20	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
351	38.20	38.10	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
352	38.10	38.00	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
353	38.00	37.90	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
354	37.90	37.80	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
355	37.80	37.70	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
356	37.70	37.60	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
357	37.60	37.50	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
358	37.50	37.40	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
359	37.40	37.30	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
360	37.30	37.20	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
361	37.20	37.10	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
362	37.10	37.00	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
363	37.00	36.90	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
364	36.90	36.80	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
365	36.80	36.70	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
366	36.70	36.60	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
367	36.60	36.50	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
368	36.50	36.40	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
369	36.40	36.30	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
370	36.30	36.20	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
371	36.20	36.10	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
372	36.10	36.00	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
373	36.00	35.90	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
374	35.90	35.80	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
375	35.80	35.70	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
376	35.70	35.60	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
377	35.60	35.50	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
378	35.50	35.40	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
379	35.40	35.30	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
380	35.30	35.20	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
381	35.20	35.10	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
382	35.10	35.00	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
383	35.00	34.90	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
384	34.90	34.80	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
385	34.80	34.70	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
386	34.70	34.60	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
387	34.60	34.50	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
388	34.50	34.40	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
389	34.40	34.30	0.08016	28.8	0.00127	0.91	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001

390	34.30	34.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
391	34.20	34.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
392	34.10	34.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
393	34.00	33.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
394	33.90	33.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
395	33.80	33.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
396	33.70	33.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
397	33.60	33.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
398	33.50	33.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
399	33.40	33.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
400	33.30	33.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
401	33.20	33.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
402	33.10	33.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
403	33.00	32.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
404	32.90	32.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
405	32.80	32.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
406	32.70	32.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
407	32.60	32.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
408	32.50	32.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
409	32.40	32.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
410	32.30	32.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
411	32.20	32.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
412	32.10	32.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
413	32.00	31.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
414	31.90	31.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
415	31.80	31.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
416	31.70	31.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
417	31.60	31.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
418	31.50	31.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
419	31.40	31.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
420	31.30	31.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
421	31.20	31.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
422	31.10	31.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
423	31.00	30.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
424	30.90	30.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
425	30.80	30.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
426	30.70	30.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
427	30.60	30.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
428	30.50	30.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
429	30.40	30.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
430	30.30	30.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
431	30.20	30.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
432	30.10	30.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
433	30.00	29.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
434	29.90	29.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
435	29.80	29.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
436	29.70	29.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
437	29.60	29.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
438	29.50	29.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001

439	29.40	29.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
440	29.30	29.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
441	29.20	29.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
442	29.10	29.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
443	29.00	28.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
444	28.90	28.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
445	28.80	28.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
446	28.70	28.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
447	28.60	28.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
448	28.50	28.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
449	28.40	28.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
450	28.30	28.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
451	28.20	28.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
452	28.10	28.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
453	28.00	27.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
454	27.90	27.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
455	27.80	27.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
456	27.70	27.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
457	27.60	27.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
458	27.50	27.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
459	27.40	27.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
460	27.30	27.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
461	27.20	27.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
462	27.10	27.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
463	27.00	26.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
464	26.90	26.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
465	26.80	26.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
466	26.70	26.60	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
467	26.60	26.50	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
468	26.50	26.40	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
469	26.40	26.30	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
470	26.30	26.20	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
471	26.20	26.10	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
472	26.10	26.00	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
473	26.00	25.90	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
474	25.90	25.80	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
475	25.80	25.70	0.09106	37.3	0.00145	0.80	3.08	20.42	6289.36	2042.00	62.89	0.00	0.000	0.000	0.001
TOT						107.79			811328.75	263418.00					
AVG					0.0014		3.08	20.42			62.89				
CUM						733.79									

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

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

347	38.500	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
348	38.400	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
349	38.300	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
350	38.200	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
351	38.100	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
352	38.000	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
353	37.900	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
354	37.800	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
355	37.700	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
356	37.600	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
357	37.500	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
358	37.400	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
359	37.300	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
360	37.200	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
361	37.100	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
362	37.000	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
363	36.900	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
364	36.800	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
365	36.700	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
366	36.600	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
367	36.500	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
368	36.400	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
369	36.300	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
370	36.200	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
371	36.100	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
372	36.000	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
373	35.900	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
374	35.800	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
375	35.700	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
376	35.600	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
377	35.500	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
378	35.400	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
379	35.300	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
380	35.200	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
381	35.100	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.07	1.07	1.07	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
382	35.000	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
383	34.900	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
384	34.800	7.29	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
385	34.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
386	34.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
387	34.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
388	34.400	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
389	34.300	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
390	34.200	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
391	34.100	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
392	34.000	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
393	33.900	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
394	33.800	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
395	33.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00

396	33.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
397	33.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
398	33.400	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
399	33.300	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
400	33.200	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
401	33.100	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
402	33.000	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
403	32.900	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
404	32.800	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
405	32.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
406	32.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
407	32.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
408	32.400	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
409	32.300	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
410	32.200	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
411	32.100	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
412	32.000	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
413	31.900	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
414	31.800	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
415	31.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
416	31.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
417	31.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
418	31.400	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
419	31.300	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
420	31.200	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
421	31.100	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
422	31.000	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
423	30.900	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
424	30.800	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
425	30.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
426	30.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
427	30.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
428	30.400	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
429	30.300	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
430	30.200	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
431	30.100	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
432	30.000	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
433	29.900	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
434	29.800	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
435	29.700	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
436	29.600	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
437	29.500	7.28	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
438	29.400	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
439	29.300	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
440	29.200	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.13	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
441	29.100	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
442	29.000	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
443	28.900	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
444	28.800	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00

445	28.700	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
446	28.600	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
447	28.500	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
448	28.400	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
449	28.300	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
450	28.200	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
451	28.100	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
452	28.000	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
453	27.900	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
454	27.800	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
455	27.700	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
456	27.600	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
457	27.500	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
458	27.400	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
459	27.300	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
460	27.200	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
461	27.100	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
462	27.000	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
463	26.900	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
464	26.800	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
465	26.700	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
466	26.600	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
467	26.500	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
468	26.400	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
469	26.300	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
470	26.200	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
471	26.100	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
472	26.000	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
473	25.900	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
474	25.800	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
475	25.700	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.08	1.08	1.08	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
347	38.500	32.10	0.00	0.00	0.00	2.29	9.69	0.00	9.69	0.00	1.51	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
348	38.400	32.10	0.00	0.00	0.00	2.29	9.64	0.00	9.64	0.00	1.51	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
349	38.300	32.10	0.00	0.00	0.00	2.30	9.60	0.00	9.60	0.00	1.51	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
350	38.200	32.11	0.00	0.00	0.00	2.31	9.56	0.00	9.56	0.00	1.50	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
351	38.100	32.11	0.00	0.00	0.00	2.32	9.54	0.00	9.54	0.00	1.50	0.30	0.00	1.80	0.00	16.00	0.00	0.	0.00
352	38.000	32.11	0.00	0.00	0.00	2.34	9.51	0.00	9.51	0.00	1.50	0.29	0.00	1.80	0.00	16.00	0.00	0.	0.00
353	37.900	32.11	0.00	0.00	0.00	2.35	9.50	0.00	9.50	0.00	1.50	0.29	0.00	1.80	0.00	16.00	0.00	0.	0.00

354	37.800	32.11	0.00	0.00	0.00	2.36	9.48	0.00	9.48	0.00	1.50	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
355	37.700	32.11	0.00	0.00	0.00	2.38	9.47	0.00	9.47	0.00	1.50	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
356	37.600	32.12	0.00	0.00	0.00	2.39	9.46	0.00	9.46	0.00	1.50	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
357	37.500	32.12	0.00	0.00	0.00	2.40	9.45	0.00	9.45	0.00	1.50	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
358	37.400	32.12	0.00	0.00	0.00	2.41	9.45	0.00	9.45	0.00	1.50	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
359	37.300	32.12	0.00	0.00	0.00	2.41	9.44	0.00	9.44	0.00	1.49	0.29	0.00	1.79	0.00	16.00	0.00	0.	0.00
360	37.200	32.12	0.00	0.00	0.00	2.42	9.44	0.00	9.44	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
361	37.100	32.12	0.00	0.00	0.00	2.43	9.43	0.00	9.43	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
362	37.000	32.12	0.00	0.00	0.00	2.43	9.43	0.00	9.43	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
363	36.900	32.13	0.00	0.00	0.00	2.44	9.43	0.00	9.43	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
364	36.800	32.13	0.00	0.00	0.00	2.44	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
365	36.700	32.13	0.00	0.00	0.00	2.44	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
366	36.600	32.13	0.00	0.00	0.00	2.45	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
367	36.500	32.13	0.00	0.00	0.00	2.45	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.78	0.00	16.00	0.00	0.	0.00
368	36.400	32.13	0.00	0.00	0.00	2.45	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
369	36.300	32.14	0.00	0.00	0.00	2.45	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
370	36.200	32.14	0.00	0.00	0.00	2.46	9.42	0.00	9.42	0.00	1.49	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
371	36.100	32.14	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
372	36.000	32.14	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
373	35.900	32.14	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.29	0.00	1.77	0.00	16.00	0.00	0.	0.00
374	35.800	32.14	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.77	0.00	16.00	0.00	0.	0.00
375	35.700	32.14	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.77	0.00	16.00	0.00	0.	0.00
376	35.600	32.15	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.77	0.00	16.00	0.00	0.	0.00
377	35.500	32.15	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.77	0.00	16.00	0.00	0.	0.00
378	35.400	32.15	0.00	0.00	0.00	2.46	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
379	35.300	32.15	0.00	0.00	0.00	2.47	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
380	35.200	32.15	0.00	0.00	0.00	2.47	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
381	35.100	32.15	0.00	0.00	0.00	2.47	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
382	35.000	32.16	0.00	0.00	0.00	2.47	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
383	34.900	32.16	0.00	0.00	0.00	2.47	9.41	0.00	9.41	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
384	34.800	32.16	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
385	34.700	32.16	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
386	34.600	32.16	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
387	34.500	32.16	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
388	34.400	32.17	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.47	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
389	34.300	32.17	0.00	0.00	0.00	2.47	9.40	0.00	9.40	0.00	1.47	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
390	34.200	32.17	0.00	0.00	0.00	3.02	9.14	0.00	9.14	0.00	1.49	0.27	0.00	1.77	0.00	16.00	0.00	0.	0.00
391	34.100	32.17	0.00	0.00	0.00	2.94	9.19	0.00	9.19	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
392	34.000	32.17	0.00	0.00	0.00	2.87	9.22	0.00	9.22	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
393	33.900	32.17	0.00	0.00	0.00	2.81	9.25	0.00	9.25	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
394	33.800	32.17	0.00	0.00	0.00	2.76	9.28	0.00	9.28	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
395	33.700	32.18	0.00	0.00	0.00	2.72	9.30	0.00	9.30	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
396	33.600	32.18	0.00	0.00	0.00	2.68	9.31	0.00	9.31	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
397	33.500	32.18	0.00	0.00	0.00	2.65	9.33	0.00	9.33	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
398	33.400	32.18	0.00	0.00	0.00	2.62	9.34	0.00	9.34	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
399	33.300	32.18	0.00	0.00	0.00	2.60	9.35	0.00	9.35	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
400	33.200	32.18	0.00	0.00	0.00	2.58	9.36	0.00	9.36	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
401	33.100	32.19	0.00	0.00	0.00	2.57	9.36	0.00	9.36	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
402	33.000	32.19	0.00	0.00	0.00	2.55	9.37	0.00	9.37	0.00	1.49	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00

403	32.900	32.19	0.00	0.00	0.00	2.54	9.37	0.00	9.37	0.00	1.48	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
404	32.800	32.19	0.00	0.00	0.00	2.53	9.37	0.00	9.37	0.00	1.48	0.27	0.00	1.76	0.00	16.00	0.00	0.	0.00
405	32.700	32.19	0.00	0.00	0.00	2.52	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
406	32.600	32.19	0.00	0.00	0.00	2.52	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
407	32.500	32.19	0.00	0.00	0.00	2.51	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
408	32.400	32.20	0.00	0.00	0.00	2.51	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
409	32.300	32.20	0.00	0.00	0.00	2.50	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
410	32.200	32.20	0.00	0.00	0.00	2.50	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
411	32.100	32.20	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
412	32.000	32.20	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
413	31.900	32.20	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
414	31.800	32.21	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
415	31.700	32.21	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
416	31.600	32.21	0.00	0.00	0.00	2.49	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.76	0.00	16.00	0.00	0.	0.00
417	31.500	32.21	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
418	31.400	32.21	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
419	31.300	32.21	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
420	31.200	32.21	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.48	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
421	31.100	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
422	31.000	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
423	30.900	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
424	30.800	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
425	30.700	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
426	30.600	32.22	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
427	30.500	32.23	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
428	30.400	32.23	0.00	0.00	0.00	2.48	9.38	0.00	9.38	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
429	30.300	32.23	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
430	30.200	32.23	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
431	30.100	32.23	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
432	30.000	32.23	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
433	29.900	32.23	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
434	29.800	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
435	29.700	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
436	29.600	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
437	29.500	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
438	29.400	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
439	29.300	32.24	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
440	29.200	32.25	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.75	0.00	16.00	0.00	0.	0.00
441	29.100	32.25	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
442	29.000	32.25	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
443	28.900	32.25	0.00	0.00	0.00	2.48	9.37	0.00	9.37	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
444	28.800	32.25	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
445	28.700	32.25	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
446	28.600	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
447	28.500	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.47	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
448	28.400	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
449	28.300	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
450	28.200	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
451	28.100	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00

452	28.000	32.26	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
453	27.900	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
454	27.800	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
455	27.700	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
456	27.600	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
457	27.500	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
458	27.400	32.27	0.00	0.00	0.00	2.48	9.36	0.00	9.36	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
459	27.300	32.28	0.00	0.00	0.00	2.48	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
460	27.200	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
461	27.100	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
462	27.000	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
463	26.900	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
464	26.800	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
465	26.700	32.28	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
466	26.600	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
467	26.500	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
468	26.400	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
469	26.300	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.74	0.00	16.00	0.00	0.	0.00
470	26.200	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
471	26.100	32.29	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
472	26.000	32.30	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
473	25.900	32.30	0.00	0.00	0.00	2.49	9.35	0.00	9.35	0.00	1.46	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
474	25.800	32.30	0.00	0.00	0.00	2.49	9.34	0.00	9.34	0.00	1.46	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
475	25.700	32.30	0.00	0.00	0.00	2.49	9.34	0.00	9.34	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 7 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
476	UPR RCH	0.09106	32.30	0.00	0.00	0.00	2.49	9.34	0.00	9.34	0.00	1.46	0.27	0.00	0.00	16.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
476	25.70	25.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
477	25.60	25.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
478	25.50	25.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
479	25.40	25.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
480	25.30	25.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002

481	25.20	25.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
482	25.10	25.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
483	25.00	24.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
484	24.90	24.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
485	24.80	24.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
486	24.70	24.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
487	24.60	24.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
488	24.50	24.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
489	24.40	24.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
490	24.30	24.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
491	24.20	24.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
492	24.10	24.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
493	24.00	23.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
494	23.90	23.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
495	23.80	23.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
496	23.70	23.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
497	23.60	23.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
498	23.50	23.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
499	23.40	23.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
500	23.30	23.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
501	23.20	23.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
502	23.10	23.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
503	23.00	22.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
504	22.90	22.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
505	22.80	22.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
506	22.70	22.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
507	22.60	22.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
508	22.50	22.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
509	22.40	22.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
510	22.30	22.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
511	22.20	22.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
512	22.10	22.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
513	22.00	21.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
514	21.90	21.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
515	21.80	21.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
516	21.70	21.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
517	21.60	21.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
518	21.50	21.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
519	21.40	21.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
520	21.30	21.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
521	21.20	21.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
522	21.10	21.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
523	21.00	20.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
524	20.90	20.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
525	20.80	20.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
526	20.70	20.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
527	20.60	20.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
528	20.50	20.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
529	20.40	20.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002

530	20.30	20.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
531	20.20	20.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
532	20.10	20.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
533	20.00	19.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
534	19.90	19.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
535	19.80	19.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
536	19.70	19.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
537	19.60	19.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
538	19.50	19.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
539	19.40	19.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
540	19.30	19.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
541	19.20	19.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
542	19.10	19.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
543	19.00	18.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
544	18.90	18.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
545	18.80	18.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
546	18.70	18.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
547	18.60	18.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
548	18.50	18.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
549	18.40	18.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
550	18.30	18.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
551	18.20	18.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
552	18.10	18.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
553	18.00	17.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
554	17.90	17.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
555	17.80	17.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
556	17.70	17.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
557	17.60	17.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
558	17.50	17.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
559	17.40	17.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
560	17.30	17.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
561	17.20	17.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
562	17.10	17.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
563	17.00	16.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
564	16.90	16.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
565	16.80	16.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
566	16.70	16.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
567	16.60	16.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
568	16.50	16.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
569	16.40	16.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
570	16.30	16.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
571	16.20	16.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
572	16.10	16.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
573	16.00	15.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
574	15.90	15.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
575	15.80	15.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
576	15.70	15.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
577	15.60	15.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
578	15.50	15.40	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002

579	15.40	15.30	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
580	15.30	15.20	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
581	15.20	15.10	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
582	15.10	15.00	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
583	15.00	14.90	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
584	14.90	14.80	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
585	14.80	14.70	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
586	14.70	14.60	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
587	14.60	14.50	0.09106	37.3	0.00165	0.70	3.02	18.29	5523.58	1829.00	55.24	0.00	0.000	0.000	0.002
TOT						78.63			618641.25	204848.02					
AVG					0.0016		3.02	18.29			55.24				
CUM						812.41									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
476	25.600	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
477	25.500	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
478	25.400	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
479	25.300	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
480	25.200	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
481	25.100	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
482	25.000	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
483	24.900	7.27	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
484	24.800	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
485	24.700	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
486	24.600	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
487	24.500	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
488	24.400	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
489	24.300	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
490	24.200	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
491	24.100	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
492	24.000	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
493	23.900	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
494	23.800	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
495	23.700	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
496	23.600	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
497	23.500	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
498	23.400	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
499	23.300	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
500	23.200	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
501	23.100	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
502	23.000	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
503	22.900	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00

504	22.800	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
505	22.700	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
506	22.600	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
507	22.500	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
508	22.400	7.26	0.33	0.26	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
509	22.300	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
510	22.200	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
511	22.100	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
512	22.000	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
513	21.900	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
514	21.800	7.26	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
515	21.700	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
516	21.600	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
517	21.500	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
518	21.400	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
519	21.300	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
520	21.200	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
521	21.100	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
522	21.000	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
523	20.900	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
524	20.800	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
525	20.700	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
526	20.600	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
527	20.500	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
528	20.400	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
529	20.300	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
530	20.200	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.09	1.09	1.09	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
531	20.100	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
532	20.000	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
533	19.900	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
534	19.800	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
535	19.700	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
536	19.600	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
537	19.500	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
538	19.400	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
539	19.300	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
540	19.200	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
541	19.100	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
542	19.000	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
543	18.900	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
544	18.800	7.25	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
545	18.700	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
546	18.600	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
547	18.500	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
548	18.400	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
549	18.300	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
550	18.200	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
551	18.100	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
552	18.000	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00

553	17.900	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
554	17.800	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
555	17.700	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
556	17.600	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
557	17.500	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
558	17.400	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
559	17.300	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
560	17.200	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
561	17.100	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
562	17.000	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
563	16.900	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
564	16.800	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
565	16.700	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
566	16.600	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
567	16.500	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
568	16.400	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
569	16.300	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
570	16.200	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
571	16.100	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
572	16.000	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
573	15.900	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
574	15.800	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
575	15.700	7.24	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
576	15.600	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
577	15.500	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
578	15.400	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
579	15.300	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
580	15.200	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
581	15.100	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
582	15.000	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
583	14.900	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
584	14.800	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
585	14.700	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.11	1.11	1.11	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
586	14.600	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.11	1.11	1.11	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
587	14.500	7.23	0.33	0.27	0.00	0.00	0.00	0.00	0.00	1.11	1.11	1.11	0.03	0.00	0.15	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
476	25.600	32.30	0.00	0.00	0.00	2.51	9.22	0.00	9.22	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
477	25.500	32.31	0.00	0.00	0.00	2.54	9.12	0.00	9.12	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
478	25.400	32.31	0.00	0.00	0.00	2.58	9.04	0.00	9.04	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00

479	25.300	32.31	0.00	0.00	0.00	2.62	8.96	0.00	8.96	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
480	25.200	32.31	0.00	0.00	0.00	2.66	8.90	0.00	8.90	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
481	25.100	32.32	0.00	0.00	0.00	2.70	8.85	0.00	8.85	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
482	25.000	32.32	0.00	0.00	0.00	2.74	8.81	0.00	8.81	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
483	24.900	32.32	0.00	0.00	0.00	2.78	8.77	0.00	8.77	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
484	24.800	32.32	0.00	0.00	0.00	2.82	8.74	0.00	8.74	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
485	24.700	32.33	0.00	0.00	0.00	2.85	8.71	0.00	8.71	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
486	24.600	32.33	0.00	0.00	0.00	2.88	8.69	0.00	8.69	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
487	24.500	32.33	0.00	0.00	0.00	2.90	8.67	0.00	8.67	0.00	1.46	0.27	0.00	1.73	0.00	16.00	0.00	0.	0.00
488	24.400	32.33	0.00	0.00	0.00	2.93	8.65	0.00	8.65	0.00	1.46	0.27	0.00	1.72	0.00	16.00	0.00	0.	0.00
489	24.300	32.34	0.00	0.00	0.00	2.95	8.64	0.00	8.64	0.00	1.46	0.27	0.00	1.72	0.00	16.00	0.00	0.	0.00
490	24.200	32.34	0.00	0.00	0.00	2.97	8.62	0.00	8.62	0.00	1.46	0.27	0.00	1.72	0.00	16.00	0.00	0.	0.00
491	24.100	32.34	0.00	0.00	0.00	2.99	8.61	0.00	8.61	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
492	24.000	32.35	0.00	0.00	0.00	3.00	8.61	0.00	8.61	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
493	23.900	32.35	0.00	0.00	0.00	3.01	8.60	0.00	8.60	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
494	23.800	32.35	0.00	0.00	0.00	3.03	8.59	0.00	8.59	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
495	23.700	32.35	0.00	0.00	0.00	3.04	8.59	0.00	8.59	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
496	23.600	32.36	0.00	0.00	0.00	3.05	8.58	0.00	8.58	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
497	23.500	32.36	0.00	0.00	0.00	3.05	8.58	0.00	8.58	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
498	23.400	32.36	0.00	0.00	0.00	3.06	8.57	0.00	8.57	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
499	23.300	32.36	0.00	0.00	0.00	3.07	8.57	0.00	8.57	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
500	23.200	32.37	0.00	0.00	0.00	3.07	8.57	0.00	8.57	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
501	23.100	32.37	0.00	0.00	0.00	3.08	8.56	0.00	8.56	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
502	23.000	32.37	0.00	0.00	0.00	3.08	8.56	0.00	8.56	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
503	22.900	32.38	0.00	0.00	0.00	3.09	8.56	0.00	8.56	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
504	22.800	32.38	0.00	0.00	0.00	3.09	8.56	0.00	8.56	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
505	22.700	32.38	0.00	0.00	0.00	3.09	8.55	0.00	8.55	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
506	22.600	32.38	0.00	0.00	0.00	3.10	8.55	0.00	8.55	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
507	22.500	32.39	0.00	0.00	0.00	3.10	8.55	0.00	8.55	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
508	22.400	32.39	0.00	0.00	0.00	3.10	8.55	0.00	8.55	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
509	22.300	32.39	0.00	0.00	0.00	3.10	8.55	0.00	8.55	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
510	22.200	32.39	0.00	0.00	0.00	3.10	8.55	0.00	8.55	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
511	22.100	32.40	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
512	22.000	32.40	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
513	21.900	32.40	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
514	21.800	32.40	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
515	21.700	32.41	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
516	21.600	32.41	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
517	21.500	32.41	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
518	21.400	32.42	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
519	21.300	32.42	0.00	0.00	0.00	3.11	8.54	0.00	8.54	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
520	21.200	32.42	0.00	0.00	0.00	3.11	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
521	21.100	32.42	0.00	0.00	0.00	3.11	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
522	21.000	32.43	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
523	20.900	32.43	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
524	20.800	32.43	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
525	20.700	32.43	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
526	20.600	32.44	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
527	20.500	32.44	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00

528	20.400	32.44	0.00	0.00	0.00	3.12	8.53	0.00	8.53	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
529	20.300	32.44	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
530	20.200	32.45	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
531	20.100	32.45	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
532	20.000	32.45	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
533	19.900	32.46	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
534	19.800	32.46	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
535	19.700	32.46	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
536	19.600	32.46	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
537	19.500	32.47	0.00	0.00	0.00	3.12	8.52	0.00	8.52	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
538	19.400	32.47	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
539	19.300	32.47	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
540	19.200	32.47	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
541	19.100	32.48	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
542	19.000	32.48	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
543	18.900	32.48	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
544	18.800	32.48	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
545	18.700	32.49	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
546	18.600	32.49	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.46	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
547	18.500	32.49	0.00	0.00	0.00	3.12	8.51	0.00	8.51	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
548	18.400	32.50	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
549	18.300	32.50	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
550	18.200	32.50	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
551	18.100	32.50	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
552	18.000	32.51	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.71	0.00	16.00	0.00	0.	0.00
553	17.900	32.51	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
554	17.800	32.51	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
555	17.700	32.51	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
556	17.600	32.52	0.00	0.00	0.00	3.12	8.50	0.00	8.50	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
557	17.500	32.52	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
558	17.400	32.52	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
559	17.300	32.52	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
560	17.200	32.53	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
561	17.100	32.53	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
562	17.000	32.53	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
563	16.900	32.54	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
564	16.800	32.54	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
565	16.700	32.54	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
566	16.600	32.54	0.00	0.00	0.00	3.13	8.49	0.00	8.49	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
567	16.500	32.55	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
568	16.400	32.55	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
569	16.300	32.55	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
570	16.200	32.55	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
571	16.100	32.56	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
572	16.000	32.56	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
573	15.900	32.56	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
574	15.800	32.57	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
575	15.700	32.57	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
576	15.600	32.57	0.00	0.00	0.00	3.13	8.48	0.00	8.48	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00

577	15.500	32.57	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
578	15.400	32.58	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
579	15.300	32.58	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
580	15.200	32.58	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
581	15.100	32.58	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
582	15.000	32.59	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
583	14.900	32.59	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
584	14.800	32.59	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
585	14.700	32.59	0.00	0.00	0.00	3.13	8.47	0.00	8.47	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
586	14.600	32.60	0.00	0.00	0.00	3.13	8.46	0.00	8.46	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
587	14.500	32.60	0.00	0.00	0.00	3.13	8.46	0.00	8.46	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 8 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
588	UPR RCH	0.09106	32.60	0.00	0.00	0.00	3.13	8.46	0.00	8.46	0.00	1.45	0.25	0.00	0.00	16.00	0.00	0.00
613	WSTLD	0.00190	26.30	0.00	0.00	0.00	5.00	18.70	0.00	18.70	0.00	1.67	3.33	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
588	14.50	14.40	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
589	14.40	14.30	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
590	14.30	14.20	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
591	14.20	14.10	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
592	14.10	14.00	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
593	14.00	13.90	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
594	13.90	13.80	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
595	13.80	13.70	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
596	13.70	13.60	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
597	13.60	13.50	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
598	13.50	13.40	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
599	13.40	13.30	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
600	13.30	13.20	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
601	13.20	13.10	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
602	13.10	13.00	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
603	13.00	12.90	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
604	12.90	12.80	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001

605	12.80	12.70	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
606	12.70	12.60	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
607	12.60	12.50	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
608	12.50	12.40	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
609	12.40	12.30	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
610	12.30	12.20	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
611	12.20	12.10	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
612	12.10	12.00	0.09106	37.3	0.00091	1.27	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
613	12.00	11.90	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
614	11.90	11.80	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
615	11.80	11.70	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
616	11.70	11.60	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
617	11.60	11.50	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
618	11.50	11.40	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
619	11.40	11.30	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
620	11.30	11.20	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
621	11.20	11.10	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
622	11.10	11.00	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
623	11.00	10.90	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
624	10.90	10.80	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
625	10.80	10.70	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
626	10.70	10.60	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
627	10.60	10.50	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
628	10.50	10.40	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
629	10.40	10.30	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
630	10.30	10.20	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
631	10.20	10.10	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
632	10.10	10.00	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
633	10.00	9.90	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
634	9.90	9.80	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
635	9.80	9.70	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
636	9.70	9.60	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
637	9.60	9.50	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
638	9.50	9.40	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
639	9.40	9.30	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
640	9.30	9.20	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
641	9.20	9.10	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
642	9.10	9.00	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
643	9.00	8.90	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
644	8.90	8.80	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
645	8.80	8.70	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
646	8.70	8.60	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
647	8.60	8.50	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
648	8.50	8.40	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
649	8.40	8.30	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
650	8.30	8.20	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
651	8.20	8.10	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
652	8.10	8.00	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
653	8.00	7.90	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001

654	7.90	7.80	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
655	7.80	7.70	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
656	7.70	7.60	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
657	7.60	7.50	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
658	7.50	7.40	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
659	7.40	7.30	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
660	7.30	7.20	0.09296	38.6	0.00093	1.25	2.96	33.83	10013.68	3383.00	100.14	0.00	0.000	0.000	0.001
TOT						91.66			730999.06	246959.02					
AVG					0.0009		2.96	33.83			100.14				
CUM						904.07									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
588	14.400	7.24	0.37	0.27	0.00	0.00	0.00	0.00	0.00	2.87	2.87	2.87	0.03	0.00	0.14	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
589	14.300	7.24	0.37	0.27	0.00	0.00	0.00	0.00	0.00	2.86	2.86	2.86	0.03	0.00	0.14	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
590	14.200	7.25	0.37	0.27	0.00	0.00	0.00	0.00	0.00	2.85	2.85	2.85	0.03	0.00	0.14	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00
591	14.100	7.25	0.37	0.27	0.00	0.00	0.00	0.00	0.00	2.84	2.84	2.84	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
592	14.000	7.26	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.83	2.83	2.83	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
593	13.900	7.27	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.82	2.82	2.82	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
594	13.800	7.27	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.81	2.81	2.81	0.03	0.00	0.14	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00
595	13.700	7.28	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.81	2.81	2.81	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
596	13.600	7.28	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.80	2.80	2.80	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
597	13.500	7.29	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.79	2.79	2.79	0.03	0.00	0.14	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00
598	13.400	7.30	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.78	2.78	2.78	0.03	0.00	0.14	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
599	13.300	7.30	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.77	2.77	2.77	0.03	0.00	0.14	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
600	13.200	7.31	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.14	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
601	13.100	7.31	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.76	2.76	2.76	0.03	0.00	0.14	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
602	13.000	7.32	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.75	2.75	2.75	0.03	0.00	0.14	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
603	12.900	7.33	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.74	2.74	2.74	0.03	0.00	0.14	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.00
604	12.800	7.33	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.73	2.73	2.73	0.03	0.00	0.14	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
605	12.700	7.34	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.72	2.72	2.72	0.03	0.00	0.14	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
606	12.600	7.34	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.71	2.71	2.71	0.03	0.00	0.14	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
607	12.500	7.35	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.71	2.71	2.71	0.03	0.00	0.14	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00
608	12.400	7.36	0.37	0.26	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.03	0.00	0.14	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
609	12.300	7.36	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.69	2.69	2.69	0.03	0.00	0.14	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
610	12.200	7.37	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.68	2.68	2.68	0.03	0.00	0.14	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00
611	12.100	7.37	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.67	2.67	2.67	0.03	0.00	0.14	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
612	12.000	7.38	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.67	2.67	2.67	0.03	0.00	0.14	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
613	11.900	7.39	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.66	2.66	2.66	0.03	0.00	0.14	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.00
614	11.800	7.39	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.65	2.65	2.65	0.03	0.00	0.13	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
615	11.700	7.40	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.64	2.64	2.64	0.02	0.00	0.13	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
616	11.600	7.40	0.37	0.25	0.00	0.00	0.00	0.00	0.00	2.63	2.63	2.63	0.02	0.00	0.13	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00
617	11.500	7.41	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.63	2.63	2.63	0.02	0.00	0.13	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00

618	11.400	7.42	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.02	0.00	0.13	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
619	11.300	7.42	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.61	2.61	2.61	0.02	0.00	0.13	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
620	11.200	7.43	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.60	2.60	2.60	0.02	0.00	0.13	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
621	11.100	7.43	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.59	2.59	2.59	0.02	0.00	0.13	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
622	11.000	7.44	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.59	2.59	2.59	0.02	0.00	0.13	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
623	10.900	7.45	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.02	0.00	0.13	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
624	10.800	7.45	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.57	2.57	2.57	0.02	0.00	0.13	0.00	0.00	0.00	1.32	0.00	0.00	0.00	0.00
625	10.700	7.46	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.56	2.56	2.56	0.02	0.00	0.13	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
626	10.600	7.46	0.36	0.25	0.00	0.00	0.00	0.00	0.00	2.56	2.56	2.56	0.02	0.00	0.13	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
627	10.500	7.47	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.55	2.55	2.55	0.02	0.00	0.13	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00
628	10.400	7.48	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.54	2.54	2.54	0.02	0.00	0.13	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
629	10.300	7.48	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.53	2.53	2.53	0.02	0.00	0.13	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
630	10.200	7.49	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.52	2.52	2.52	0.02	0.00	0.13	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
631	10.100	7.50	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.52	2.52	2.52	0.02	0.00	0.13	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00
632	10.000	7.50	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.51	2.51	2.51	0.02	0.00	0.13	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
633	9.900	7.51	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.50	2.50	2.50	0.02	0.00	0.13	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
634	9.800	7.51	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.49	2.49	2.49	0.02	0.00	0.13	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
635	9.700	7.52	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.49	2.49	2.49	0.02	0.00	0.13	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
636	9.600	7.53	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.48	2.48	2.48	0.02	0.00	0.13	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
637	9.500	7.53	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.47	2.47	2.47	0.02	0.00	0.13	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
638	9.400	7.54	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.46	2.46	2.46	0.02	0.00	0.13	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00
639	9.300	7.54	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.46	2.46	2.46	0.02	0.00	0.13	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
640	9.200	7.55	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.45	2.45	2.45	0.02	0.00	0.13	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
641	9.100	7.56	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.44	2.44	2.44	0.02	0.00	0.13	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00
642	9.000	7.56	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.43	2.43	2.43	0.02	0.00	0.12	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
643	8.900	7.57	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.43	2.43	2.43	0.02	0.00	0.12	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
644	8.800	7.58	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.42	2.42	2.42	0.02	0.00	0.12	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
645	8.700	7.58	0.36	0.24	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.02	0.00	0.12	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00
646	8.600	7.59	0.36	0.23	0.00	0.00	0.00	0.00	0.00	2.41	2.41	2.41	0.02	0.00	0.12	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
647	8.500	7.59	0.36	0.23	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.02	0.00	0.12	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
648	8.400	7.60	0.36	0.23	0.00	0.00	0.00	0.00	0.00	2.39	2.39	2.39	0.02	0.00	0.12	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00
649	8.300	7.61	0.36	0.23	0.00	0.00	0.00	0.00	0.00	2.38	2.38	2.38	0.02	0.00	0.12	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
650	8.200	7.61	0.36	0.23	0.00	0.00	0.00	0.00	0.00	2.38	2.38	2.38	0.02	0.00	0.12	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
651	8.100	7.62	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.02	0.00	0.12	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
652	8.000	7.63	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	0.02	0.00	0.12	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
653	7.900	7.63	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	0.02	0.00	0.12	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
654	7.800	7.64	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.02	0.00	0.12	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
655	7.700	7.65	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.02	0.00	0.12	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
656	7.600	7.65	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.02	0.00	0.12	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00
657	7.500	7.66	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.02	0.00	0.12	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
658	7.400	7.66	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.02	0.00	0.12	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
659	7.300	7.67	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.31	2.31	2.31	0.02	0.00	0.12	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
660	7.200	7.68	0.35	0.23	0.00	0.00	0.00	0.00	0.00	2.31	2.31	2.31	0.02	0.00	0.12	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.30	0.15	0.00	0.00	0.00	0.00	0.00	1.30			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
588	14.400	32.55	0.00	0.00	0.00	2.84	8.14	0.00	8.14	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
589	14.300	32.50	0.00	0.00	0.00	2.70	7.90	0.00	7.90	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
590	14.200	32.46	0.00	0.00	0.00	2.65	7.72	0.00	7.72	0.00	1.45	0.25	0.00	1.70	0.00	16.00	0.00	0.	0.00
591	14.100	32.41	0.00	0.00	0.00	2.65	7.60	0.00	7.60	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
592	14.000	32.36	0.00	0.00	0.00	2.68	7.51	0.00	7.51	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
593	13.900	32.31	0.00	0.00	0.00	2.71	7.44	0.00	7.44	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
594	13.800	32.26	0.00	0.00	0.00	2.75	7.40	0.00	7.40	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
595	13.700	32.22	0.00	0.00	0.00	2.79	7.37	0.00	7.37	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
596	13.600	32.17	0.00	0.00	0.00	2.82	7.35	0.00	7.35	0.00	1.44	0.26	0.00	1.70	0.00	16.00	0.00	0.	0.00
597	13.500	32.12	0.00	0.00	0.00	2.85	7.34	0.00	7.34	0.00	1.44	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
598	13.400	32.07	0.00	0.00	0.00	2.87	7.34	0.00	7.34	0.00	1.44	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
599	13.300	32.02	0.00	0.00	0.00	2.89	7.34	0.00	7.34	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
600	13.200	31.98	0.00	0.00	0.00	2.91	7.35	0.00	7.35	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
601	13.100	31.93	0.00	0.00	0.00	2.92	7.36	0.00	7.36	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
602	13.000	31.88	0.00	0.00	0.00	2.93	7.37	0.00	7.37	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
603	12.900	31.83	0.00	0.00	0.00	2.94	7.38	0.00	7.38	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
604	12.800	31.78	0.00	0.00	0.00	2.95	7.39	0.00	7.39	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
605	12.700	31.74	0.00	0.00	0.00	2.96	7.41	0.00	7.41	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
606	12.600	31.69	0.00	0.00	0.00	2.96	7.42	0.00	7.42	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
607	12.500	31.64	0.00	0.00	0.00	2.97	7.43	0.00	7.43	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
608	12.400	31.59	0.00	0.00	0.00	2.97	7.45	0.00	7.45	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
609	12.300	31.55	0.00	0.00	0.00	2.98	7.47	0.00	7.47	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
610	12.200	31.50	0.00	0.00	0.00	2.98	7.48	0.00	7.48	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
611	12.100	31.45	0.00	0.00	0.00	2.98	7.50	0.00	7.50	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
612	12.000	31.40	0.00	0.00	0.00	2.99	7.51	0.00	7.51	0.00	1.43	0.26	0.00	1.69	0.00	16.00	0.00	0.	0.00
613	11.900	31.35	0.00	0.00	0.00	2.95	7.70	0.00	7.70	0.00	1.43	0.31	0.00	1.75	0.00	16.00	0.00	0.	0.00
614	11.800	31.31	0.00	0.00	0.00	2.92	7.68	0.00	7.68	0.00	1.43	0.31	0.00	1.74	0.00	16.00	0.00	0.	0.00
615	11.700	31.26	0.00	0.00	0.00	2.90	7.66	0.00	7.66	0.00	1.43	0.30	0.00	1.73	0.00	16.00	0.00	0.	0.00
616	11.600	31.21	0.00	0.00	0.00	2.90	7.65	0.00	7.65	0.00	1.43	0.30	0.00	1.73	0.00	16.00	0.00	0.	0.00
617	11.500	31.16	0.00	0.00	0.00	2.91	7.65	0.00	7.65	0.00	1.43	0.29	0.00	1.72	0.00	16.00	0.00	0.	0.00
618	11.400	31.11	0.00	0.00	0.00	2.92	7.66	0.00	7.66	0.00	1.43	0.29	0.00	1.72	0.00	16.00	0.00	0.	0.00
619	11.300	31.07	0.00	0.00	0.00	2.93	7.66	0.00	7.66	0.00	1.43	0.29	0.00	1.72	0.00	16.00	0.00	0.	0.00
620	11.200	31.02	0.00	0.00	0.00	2.94	7.67	0.00	7.67	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
621	11.100	30.97	0.00	0.00	0.00	2.95	7.68	0.00	7.68	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
622	11.000	30.92	0.00	0.00	0.00	2.96	7.69	0.00	7.69	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
623	10.900	30.87	0.00	0.00	0.00	2.97	7.71	0.00	7.71	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
624	10.800	30.83	0.00	0.00	0.00	2.98	7.72	0.00	7.72	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
625	10.700	30.78	0.00	0.00	0.00	2.99	7.73	0.00	7.73	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
626	10.600	30.73	0.00	0.00	0.00	3.00	7.75	0.00	7.75	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
627	10.500	30.68	0.00	0.00	0.00	3.00	7.77	0.00	7.77	0.00	1.43	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
628	10.400	30.63	0.00	0.00	0.00	3.01	7.78	0.00	7.78	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
629	10.300	30.59	0.00	0.00	0.00	3.01	7.80	0.00	7.80	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
630	10.200	30.54	0.00	0.00	0.00	3.02	7.81	0.00	7.81	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
631	10.100	30.49	0.00	0.00	0.00	3.02	7.83	0.00	7.83	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00

632	10.000	30.44	0.00	0.00	0.00	3.03	7.85	0.00	7.85	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
633	9.900	30.39	0.00	0.00	0.00	3.03	7.86	0.00	7.86	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
634	9.800	30.35	0.00	0.00	0.00	3.03	7.88	0.00	7.88	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
635	9.700	30.30	0.00	0.00	0.00	3.04	7.90	0.00	7.90	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
636	9.600	30.25	0.00	0.00	0.00	3.04	7.92	0.00	7.92	0.00	1.43	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
637	9.500	30.20	0.00	0.00	0.00	3.04	7.93	0.00	7.93	0.00	1.44	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
638	9.400	30.15	0.00	0.00	0.00	3.04	7.95	0.00	7.95	0.00	1.44	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
639	9.300	30.11	0.00	0.00	0.00	3.05	7.97	0.00	7.97	0.00	1.44	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
640	9.200	30.06	0.00	0.00	0.00	3.05	7.99	0.00	7.99	0.00	1.44	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
641	9.100	30.01	0.00	0.00	0.00	3.05	8.00	0.00	8.00	0.00	1.44	0.28	0.00	1.71	0.00	16.00	0.00	0.	0.00
642	9.000	29.96	0.00	0.00	0.00	3.05	8.02	0.00	8.02	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
643	8.900	29.92	0.00	0.00	0.00	3.06	8.04	0.00	8.04	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
644	8.800	29.87	0.00	0.00	0.00	3.06	8.06	0.00	8.06	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
645	8.700	29.82	0.00	0.00	0.00	3.06	8.07	0.00	8.07	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
646	8.600	29.77	0.00	0.00	0.00	3.06	8.09	0.00	8.09	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
647	8.500	29.72	0.00	0.00	0.00	3.07	8.11	0.00	8.11	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
648	8.400	29.68	0.00	0.00	0.00	3.07	8.13	0.00	8.13	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
649	8.300	29.63	0.00	0.00	0.00	3.07	8.14	0.00	8.14	0.00	1.44	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
650	8.200	29.58	0.00	0.00	0.00	3.07	8.16	0.00	8.16	0.00	1.44	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
651	8.100	29.53	0.00	0.00	0.00	3.07	8.18	0.00	8.18	0.00	1.45	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
652	8.000	29.48	0.00	0.00	0.00	3.08	8.20	0.00	8.20	0.00	1.45	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
653	7.900	29.44	0.00	0.00	0.00	3.08	8.22	0.00	8.22	0.00	1.45	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
654	7.800	29.39	0.00	0.00	0.00	3.08	8.23	0.00	8.23	0.00	1.45	0.28	0.00	1.73	0.00	16.00	0.00	0.	0.00
655	7.700	29.34	0.00	0.00	0.00	3.08	8.25	0.00	8.25	0.00	1.45	0.29	0.00	1.73	0.00	16.00	0.00	0.	0.00
656	7.600	29.29	0.00	0.00	0.00	3.08	8.27	0.00	8.27	0.00	1.45	0.29	0.00	1.74	0.00	16.00	0.00	0.	0.00
657	7.500	29.24	0.00	0.00	0.00	3.09	8.29	0.00	8.29	0.00	1.45	0.29	0.00	1.74	0.00	16.00	0.00	0.	0.00
658	7.400	29.20	0.00	0.00	0.00	3.09	8.31	0.00	8.31	0.00	1.45	0.29	0.00	1.74	0.00	16.00	0.00	0.	0.00
659	7.300	29.15	0.00	0.00	0.00	3.09	8.32	0.00	8.32	0.00	1.45	0.29	0.00	1.74	0.00	16.00	0.00	0.	0.00
660	7.200	29.10	0.00	0.00	0.00	3.09	8.34	0.00	8.34	0.00	1.45	0.29	0.00	1.74	0.00	16.00	0.00	0.	0.00

FINAL REPORT Bayou Dorcheat LA-QUAL Model for Bayou Dorcheat
REACH NO. 13 Bayou Dorcheat Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
703	UPR RCH	0.09296	29.10	0.00	0.00	0.00	3.09	8.34	0.00	8.34	0.00	1.45	0.29	0.00	0.00	16.00	0.00	0.00
703	TRIB	0.06900	29.10	0.00	0.00	0.00	6.67	1.33	0.00	1.33	0.00	1.36	1.23	1.73	0.00	16.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s

703	7.20	7.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
704	7.10	7.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
705	7.00	6.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
706	6.90	6.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
707	6.80	6.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
708	6.70	6.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
709	6.60	6.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
710	6.50	6.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
711	6.40	6.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
712	6.30	6.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
713	6.20	6.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
714	6.10	6.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
715	6.00	5.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
716	5.90	5.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
717	5.80	5.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
718	5.70	5.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
719	5.60	5.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
720	5.50	5.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
721	5.40	5.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
722	5.30	5.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
723	5.20	5.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
724	5.10	5.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
725	5.00	4.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
726	4.90	4.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
727	4.80	4.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
728	4.70	4.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
729	4.60	4.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
730	4.50	4.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
731	4.40	4.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
732	4.30	4.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
733	4.20	4.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
734	4.10	4.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
735	4.00	3.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
736	3.90	3.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
737	3.80	3.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
738	3.70	3.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
739	3.60	3.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
740	3.50	3.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
741	3.40	3.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
742	3.30	3.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
743	3.20	3.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
744	3.10	3.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
745	3.00	2.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
746	2.90	2.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
747	2.80	2.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
748	2.70	2.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
749	2.60	2.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
750	2.50	2.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001

751	2.40	2.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
752	2.30	2.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
753	2.20	2.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
754	2.10	2.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
755	2.00	1.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
756	1.90	1.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
757	1.80	1.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
758	1.70	1.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
759	1.60	1.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
760	1.50	1.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
761	1.40	1.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
762	1.30	1.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
763	1.20	1.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
764	1.10	1.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
765	1.00	0.90	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
766	0.90	0.80	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
767	0.80	0.70	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
768	0.70	0.60	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
769	0.60	0.50	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
770	0.50	0.40	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
771	0.40	0.30	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
772	0.30	0.20	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
773	0.20	0.10	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
774	0.10	0.00	0.16196	62.3	0.00109	1.06	2.96	50.29	14885.84	5029.00	148.86	0.00	0.000	0.000	0.001
TOT						76.59			1071779.62	362088.00					
AVG					0.0011		2.96	50.29			148.86				
CUM						980.67									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
703	7.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.13	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
704	7.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
705	6.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
706	6.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
707	6.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
708	6.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
709	6.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
710	6.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
711	6.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
712	6.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
713	6.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
714	6.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
715	5.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00

716	5.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
717	5.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
718	5.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
719	5.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
720	5.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
721	5.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
722	5.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
723	5.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
724	5.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
725	4.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
726	4.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
727	4.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
728	4.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
729	4.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
730	4.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
731	4.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
732	4.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
733	4.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
734	4.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
735	3.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
736	3.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
737	3.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
738	3.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
739	3.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
740	3.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
741	3.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
742	3.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
743	3.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
744	3.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
745	2.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
746	2.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
747	2.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
748	2.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
749	2.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
750	2.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
751	2.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
752	2.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
753	2.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
754	2.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
755	1.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
756	1.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
757	1.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
758	1.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
759	1.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
760	1.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
761	1.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
762	1.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
763	1.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
764	1.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00

765	0.900	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
766	0.800	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
767	0.700	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
768	0.600	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
769	0.500	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
770	0.400	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
771	0.300	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
772	0.200	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
773	0.100	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
774	0.000	7.68	0.39	0.23	0.00	0.00	0.00	0.00	0.00	0.89	0.89	0.89	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.33	0.15	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
703	7.100	29.10	0.00	0.00	0.00	4.92	5.83	0.00	5.83	0.00	1.41	0.63	0.00	2.05	0.00	16.00	0.00	0.	0.00
704	7.000	29.10	0.00	0.00	0.00	5.09	6.21	0.00	6.21	0.00	1.42	0.59	0.00	2.00	0.00	16.00	0.00	0.	0.00
705	6.900	29.10	0.00	0.00	0.00	5.18	6.52	0.00	6.52	0.00	1.42	0.54	0.00	1.96	0.00	16.00	0.00	0.	0.00
706	6.800	29.10	0.00	0.00	0.00	5.21	6.76	0.00	6.76	0.00	1.42	0.51	0.00	1.92	0.00	16.00	0.00	0.	0.00
707	6.700	29.10	0.00	0.00	0.00	5.22	6.96	0.00	6.96	0.00	1.42	0.47	0.00	1.89	0.00	16.00	0.00	0.	0.00
708	6.600	29.10	0.00	0.00	0.00	5.20	7.12	0.00	7.12	0.00	1.42	0.44	0.00	1.87	0.00	16.00	0.00	0.	0.00
709	6.500	29.10	0.00	0.00	0.00	5.19	7.25	0.00	7.25	0.00	1.42	0.42	0.00	1.84	0.00	16.00	0.00	0.	0.00
710	6.400	29.10	0.00	0.00	0.00	5.16	7.35	0.00	7.35	0.00	1.42	0.40	0.00	1.82	0.00	16.00	0.00	0.	0.00
711	6.300	29.10	0.00	0.00	0.00	5.14	7.44	0.00	7.44	0.00	1.43	0.38	0.00	1.81	0.00	16.00	0.00	0.	0.00
712	6.200	29.10	0.00	0.00	0.00	5.12	7.50	0.00	7.50	0.00	1.43	0.36	0.00	1.79	0.00	16.00	0.00	0.	0.00
713	6.100	29.10	0.00	0.00	0.00	5.11	7.56	0.00	7.56	0.00	1.43	0.35	0.00	1.78	0.00	16.00	0.00	0.	0.00
714	6.000	29.10	0.00	0.00	0.00	5.10	7.60	0.00	7.60	0.00	1.43	0.34	0.00	1.77	0.00	16.00	0.00	0.	0.00
715	5.900	29.10	0.00	0.00	0.00	5.08	7.64	0.00	7.64	0.00	1.43	0.33	0.00	1.76	0.00	16.00	0.00	0.	0.00
716	5.800	29.10	0.00	0.00	0.00	5.08	7.66	0.00	7.66	0.00	1.43	0.32	0.00	1.75	0.00	16.00	0.00	0.	0.00
717	5.700	29.10	0.00	0.00	0.00	5.07	7.69	0.00	7.69	0.00	1.43	0.31	0.00	1.74	0.00	16.00	0.00	0.	0.00
718	5.600	29.10	0.00	0.00	0.00	5.07	7.71	0.00	7.71	0.00	1.43	0.30	0.00	1.74	0.00	16.00	0.00	0.	0.00
719	5.500	29.10	0.00	0.00	0.00	5.06	7.72	0.00	7.72	0.00	1.44	0.30	0.00	1.73	0.00	16.00	0.00	0.	0.00
720	5.400	29.10	0.00	0.00	0.00	5.06	7.73	0.00	7.73	0.00	1.44	0.29	0.00	1.73	0.00	16.00	0.00	0.	0.00
721	5.300	29.10	0.00	0.00	0.00	5.06	7.74	0.00	7.74	0.00	1.44	0.29	0.00	1.72	0.00	16.00	0.00	0.	0.00
722	5.200	29.10	0.00	0.00	0.00	5.06	7.75	0.00	7.75	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
723	5.100	29.10	0.00	0.00	0.00	5.06	7.76	0.00	7.76	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
724	5.000	29.10	0.00	0.00	0.00	5.06	7.76	0.00	7.76	0.00	1.44	0.28	0.00	1.72	0.00	16.00	0.00	0.	0.00
725	4.900	29.10	0.00	0.00	0.00	5.06	7.76	0.00	7.76	0.00	1.44	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
726	4.800	29.10	0.00	0.00	0.00	5.06	7.77	0.00	7.77	0.00	1.44	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
727	4.700	29.10	0.00	0.00	0.00	5.07	7.77	0.00	7.77	0.00	1.44	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
728	4.600	29.10	0.00	0.00	0.00	5.07	7.77	0.00	7.77	0.00	1.44	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
729	4.500	29.10	0.00	0.00	0.00	5.07	7.77	0.00	7.77	0.00	1.45	0.27	0.00	1.71	0.00	16.00	0.00	0.	0.00
730	4.400	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00

731	4.300	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
732	4.200	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
733	4.100	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
734	4.000	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
735	3.900	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
736	3.800	29.10	0.00	0.00	0.00	5.07	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
737	3.700	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
738	3.600	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
739	3.500	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
740	3.400	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
741	3.300	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.45	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
742	3.200	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
743	3.100	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
744	3.000	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
745	2.900	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.71	0.00	16.00	0.00	0.	0.00
746	2.800	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
747	2.700	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
748	2.600	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
749	2.500	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
750	2.400	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
751	2.300	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
752	2.200	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
753	2.100	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
754	2.000	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
755	1.900	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
756	1.800	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
757	1.700	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
758	1.600	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
759	1.500	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
760	1.400	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
761	1.300	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.46	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
762	1.200	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
763	1.100	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
764	1.000	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
765	0.900	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
766	0.800	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.72	0.00	16.00	0.00	0.	0.00
767	0.700	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
768	0.600	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
769	0.500	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
770	0.400	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
771	0.300	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
772	0.200	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
773	0.100	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00
774	0.000	29.10	0.00	0.00	0.00	5.08	7.78	0.00	7.78	0.00	1.47	0.26	0.00	1.73	0.00	16.00	0.00	0.	0.00

TRAVEL TIME	=	980.67	DAYS		
MAXIMUM EFFLUENT	=	62.30	PERCENT		
FLOW	=	0.05700	TO	0.16196	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00032	TO	0.00165	m/s
DEPTH	=	2.96	TO	3.14	m
WIDTH	=	18.29	TO	65.22	m
BOD DECAY	=	0.21	TO	0.27	per day
NH3 DECAY	=	0.09	TO	0.15	per day
SOD	=	0.89	TO	5.96	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.31	TO	0.39	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.02	TO	0.03	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	27.14	TO	32.60	deg C
DISSOLVED OXYGEN	=	1.91	TO	5.22	mg/L

FINAL REPORT Braley Creek LA-QUAL Model for Bayou Dorcheat
REACH NO. 2 Braley Creek Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
46	HDWTR	0.00006	27.10	0.00	0.00	0.00	3.78	12.50	0.00	12.50	0.00	1.42	0.20	0.00	0.00	16.00	0.00	0.00
46	WSTLD	0.00870	26.30	0.00	0.00	0.00	5.00	10.30	0.00	10.30	0.00	1.83	3.65	0.00	0.00	0.00	0.00	0.00
51	WSTLD	0.00020	27.10	0.00	0.00	0.00	3.78	12.50	0.00	12.50	0.00	1.42	0.20	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
46	3.50	3.40	0.00876	99.3	0.00510	0.23	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
47	3.40	3.30	0.00876	99.3	0.00510	0.23	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
48	3.30	3.20	0.00876	99.3	0.00510	0.23	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
49	3.20	3.10	0.00876	99.3	0.00510	0.23	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
50	3.10	3.00	0.00876	99.3	0.00510	0.23	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
51	3.00	2.90	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005

52	2.90	2.80	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
53	2.80	2.70	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
54	2.70	2.60	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
55	2.60	2.50	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
56	2.50	2.40	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
57	2.40	2.30	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
58	2.30	2.20	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
59	2.20	2.10	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
60	2.10	2.00	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
61	2.00	1.90	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
62	1.90	1.80	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
63	1.80	1.70	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
64	1.70	1.60	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
65	1.60	1.50	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
66	1.50	1.40	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
67	1.40	1.30	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
68	1.30	1.20	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
69	1.20	1.10	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
70	1.10	1.00	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
71	1.00	0.90	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
72	0.90	0.80	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
73	0.80	0.70	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
74	0.70	0.60	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
75	0.60	0.50	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
76	0.50	0.40	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
77	0.40	0.30	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
78	0.30	0.20	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
79	0.20	0.10	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
80	0.10	0.00	0.00896	99.3	0.00522	0.22	0.54	3.18	171.72	318.00	1.72	0.00	0.000	0.000	0.005
TOT						7.79			6010.20	11130.00					
AVG					0.0052		0.54	3.18			1.72				
CUM						7.79									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
46	3.400	7.95	1.56	0.21	0.00	0.00	0.00	0.00	0.00	0.78	0.78	0.78	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
47	3.300	7.94	1.56	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.79	0.79	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
48	3.200	7.93	1.56	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.79	0.79	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
49	3.100	7.93	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.79	0.79	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
50	3.000	7.92	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.79	0.79	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
51	2.900	7.92	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
52	2.800	7.91	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
53	2.700	7.90	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.02	0.00	0.12	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00

54	2.600	7.90	1.57	0.21	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.02	0.00	0.12	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
55	2.500	7.89	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.80	0.02	0.00	0.12	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
56	2.400	7.88	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.81	0.02	0.00	0.12	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
57	2.300	7.88	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.81	0.02	0.00	0.12	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
58	2.200	7.87	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.81	0.02	0.00	0.13	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
59	2.100	7.86	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.81	0.81	0.81	0.02	0.00	0.13	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
60	2.000	7.86	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.02	0.00	0.13	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
61	1.900	7.85	1.58	0.21	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
62	1.800	7.84	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
63	1.700	7.84	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.82	0.82	0.82	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
64	1.600	7.83	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
65	1.500	7.83	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.02	0.00	0.13	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
66	1.400	7.82	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.02	0.00	0.13	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
67	1.300	7.81	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.83	0.83	0.83	0.02	0.00	0.13	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
68	1.200	7.81	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.84	0.02	0.00	0.13	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
69	1.100	7.80	1.59	0.22	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.84	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
70	1.000	7.79	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.84	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
71	0.900	7.79	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.84	0.84	0.84	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
72	0.800	7.78	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.85	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
73	0.700	7.78	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.85	0.02	0.00	0.13	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
74	0.600	7.77	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.85	0.02	0.00	0.13	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
75	0.500	7.76	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.85	0.02	0.00	0.13	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
76	0.400	7.76	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.85	0.02	0.00	0.13	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
77	0.300	7.75	1.60	0.22	0.00	0.00	0.00	0.00	0.00	0.86	0.86	0.86	0.02	0.00	0.13	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
78	0.200	7.74	1.61	0.22	0.00	0.00	0.00	0.00	0.00	0.86	0.86	0.86	0.02	0.00	0.13	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
79	0.100	7.74	1.61	0.22	0.00	0.00	0.00	0.00	0.00	0.86	0.86	0.86	0.02	0.00	0.14	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
80	0.000	7.73	1.61	0.22	0.00	0.00	0.00	0.00	0.00	0.86	0.86	0.86	0.02	0.00	0.14	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.37	0.15	0.00	0.00	0.00	0.00	0.00	0.50			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
46	3.400	27.15	0.00	0.00	0.00	5.05	10.21	0.00	10.21	0.00	1.82	3.54	0.08	5.44	0.00	16.00	0.00	0.	0.00
47	3.300	27.19	0.00	0.00	0.00	5.09	10.11	0.00	10.11	0.00	1.81	3.46	0.16	5.43	0.00	16.00	0.00	0.	0.00
48	3.200	27.24	0.00	0.00	0.00	5.13	10.01	0.00	10.01	0.00	1.80	3.37	0.24	5.41	0.00	16.00	0.00	0.	0.00
49	3.100	27.28	0.00	0.00	0.00	5.17	9.92	0.00	9.92	0.00	1.79	3.29	0.32	5.40	0.00	16.00	0.00	0.	0.00
50	3.000	27.33	0.00	0.00	0.00	5.21	9.83	0.00	9.83	0.00	1.78	3.21	0.40	5.39	0.00	16.00	0.00	0.	0.00
51	2.900	27.37	0.00	0.00	0.00	5.22	9.80	0.00	9.80	0.00	1.76	3.07	0.46	5.29	0.00	16.00	0.00	0.	0.00
52	2.800	27.42	0.00	0.00	0.00	5.26	9.71	0.00	9.71	0.00	1.75	3.00	0.53	5.28	0.00	16.00	0.00	0.	0.00
53	2.700	27.47	0.00	0.00	0.00	5.29	9.63	0.00	9.63	0.00	1.74	2.93	0.59	5.27	0.00	16.00	0.00	0.	0.00
54	2.600	27.51	0.00	0.00	0.00	5.33	9.55	0.00	9.55	0.00	1.74	2.86	0.66	5.26	0.00	16.00	0.00	0.	0.00
55	2.500	27.56	0.00	0.00	0.00	5.35	9.47	0.00	9.47	0.00	1.73	2.79	0.72	5.24	0.00	16.00	0.00	0.	0.00
56	2.400	27.60	0.00	0.00	0.00	5.38	9.40	0.00	9.40	0.00	1.72	2.73	0.79	5.23	0.00	16.00	0.00	0.	0.00

57	2.300	27.65	0.00	0.00	0.00	5.41	9.33	0.00	9.33	0.00	1.71	2.66	0.85	5.22	0.00	16.00	0.00	0.	0.00
58	2.200	27.69	0.00	0.00	0.00	5.43	9.26	0.00	9.26	0.00	1.70	2.60	0.91	5.20	0.00	16.00	0.00	0.	0.00
59	2.100	27.74	0.00	0.00	0.00	5.45	9.19	0.00	9.19	0.00	1.69	2.53	0.97	5.19	0.00	16.00	0.00	0.	0.00
60	2.000	27.79	0.00	0.00	0.00	5.47	9.13	0.00	9.13	0.00	1.68	2.47	1.02	5.18	0.00	16.00	0.00	0.	0.00
61	1.900	27.83	0.00	0.00	0.00	5.49	9.06	0.00	9.06	0.00	1.67	2.41	1.08	5.17	0.00	16.00	0.00	0.	0.00
62	1.800	27.88	0.00	0.00	0.00	5.51	9.00	0.00	9.00	0.00	1.67	2.36	1.13	5.15	0.00	16.00	0.00	0.	0.00
63	1.700	27.92	0.00	0.00	0.00	5.53	8.94	0.00	8.94	0.00	1.66	2.30	1.18	5.14	0.00	16.00	0.00	0.	0.00
64	1.600	27.97	0.00	0.00	0.00	5.55	8.89	0.00	8.89	0.00	1.65	2.25	1.23	5.13	0.00	16.00	0.00	0.	0.00
65	1.500	28.01	0.00	0.00	0.00	5.57	8.83	0.00	8.83	0.00	1.64	2.19	1.28	5.12	0.00	16.00	0.00	0.	0.00
66	1.400	28.06	0.00	0.00	0.00	5.58	8.78	0.00	8.78	0.00	1.63	2.14	1.33	5.10	0.00	16.00	0.00	0.	0.00
67	1.300	28.11	0.00	0.00	0.00	5.60	8.72	0.00	8.72	0.00	1.62	2.09	1.38	5.09	0.00	16.00	0.00	0.	0.00
68	1.200	28.15	0.00	0.00	0.00	5.61	8.67	0.00	8.67	0.00	1.61	2.04	1.43	5.08	0.00	16.00	0.00	0.	0.00
69	1.100	28.20	0.00	0.00	0.00	5.63	8.62	0.00	8.62	0.00	1.61	1.99	1.47	5.06	0.00	16.00	0.00	0.	0.00
70	1.000	28.24	0.00	0.00	0.00	5.64	8.58	0.00	8.58	0.00	1.60	1.94	1.51	5.05	0.00	16.00	0.00	0.	0.00
71	0.900	28.29	0.00	0.00	0.00	5.66	8.53	0.00	8.53	0.00	1.59	1.89	1.56	5.04	0.00	16.00	0.00	0.	0.00
72	0.800	28.33	0.00	0.00	0.00	5.67	8.49	0.00	8.49	0.00	1.58	1.85	1.60	5.03	0.00	16.00	0.00	0.	0.00
73	0.700	28.38	0.00	0.00	0.00	5.68	8.44	0.00	8.44	0.00	1.57	1.80	1.64	5.01	0.00	16.00	0.00	0.	0.00
74	0.600	28.43	0.00	0.00	0.00	5.69	8.40	0.00	8.40	0.00	1.57	1.76	1.68	5.00	0.00	16.00	0.00	0.	0.00
75	0.500	28.47	0.00	0.00	0.00	5.71	8.36	0.00	8.36	0.00	1.56	1.72	1.71	4.99	0.00	16.00	0.00	0.	0.00
76	0.400	28.52	0.00	0.00	0.00	5.72	8.32	0.00	8.32	0.00	1.55	1.67	1.75	4.97	0.00	16.00	0.00	0.	0.00
77	0.300	28.56	0.00	0.00	0.00	5.73	8.28	0.00	8.28	0.00	1.54	1.63	1.79	4.96	0.00	16.00	0.00	0.	0.00
78	0.200	28.61	0.00	0.00	0.00	5.74	8.24	0.00	8.24	0.00	1.53	1.59	1.82	4.95	0.00	16.00	0.00	0.	0.00
79	0.100	28.65	0.00	0.00	0.00	5.75	8.20	0.00	8.20	0.00	1.52	1.55	1.85	4.93	0.00	16.00	0.00	0.	0.00
80	0.000	28.70	0.00	0.00	0.00	5.76	8.17	0.00	8.17	0.00	1.52	1.52	1.89	4.92	0.00	16.00	0.00	0.	0.00

STREAM SUMMARY
Braley Creek

LA-QUAL Model for Bayou Dorcheat
Calibration to FTN 2005 field survey

TRAVEL TIME	=	7.79	DAYS		
MAXIMUM EFFLUENT	=	99.31	PERCENT		
FLOW	=	0.00876	TO	0.00896	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00510	TO	0.00522	m/s
DEPTH	=	0.54	TO	0.54	m
WIDTH	=	3.18	TO	3.18	m
BOD DECAY	=	0.21	TO	0.22	per day
NH3 DECAY	=	0.12	TO	0.14	per day
SOD	=	0.78	TO	0.86	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	1.56	TO	1.61	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	=	27.15	TO	28.70	deg C

DISSOLVED OXYGEN = 5.05 TO 5.76 mg/L

FINAL REPORT Mile Creek LA-QUAL Model for Bayou Dorcheat
REACH NO. 9 Mile Creek Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
661	HDWTR	0.00400	27.10	0.00	0.00	0.00	3.78	12.50	0.00	12.50	0.00	1.42	0.20	0.00	0.00	16.00	0.00	0.00
661	WSTLD	0.06500	26.30	0.00	0.00	0.00	5.00	7.60	0.00	7.60	0.00	1.67	3.33	0.00	0.00	0.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
661	4.20	4.10	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
662	4.10	4.00	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
663	4.00	3.90	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
664	3.90	3.80	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
665	3.80	3.70	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
666	3.70	3.60	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
667	3.60	3.50	0.06900	94.2	0.05566	0.02	0.23	5.39	123.97	539.00	1.24	0.00	0.000	0.000	0.056
TOT						0.15			867.79	3773.00					
AVG					0.0557		0.23	5.39			1.24				
CUM						0.15									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
661	4.100	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
662	4.000	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
663	3.900	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
664	3.800	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
665	3.700	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
666	3.600	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
667	3.500	7.95	7.25	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00

AVG 20 DEG C RATE	6.34	0.15	0.00	0.00	0.00	0.00	0.00	0.40		0.02	0.00	0.08	0.00	0.00	0.00		0.00	0.00	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m³	COLI #/100mL	NCM
661	4.100	27.10	0.00	0.00	0.00	5.24	7.85	0.00	7.85	0.00	1.65	3.14	0.01	4.80	0.00	16.00	0.00	0.	0.00
662	4.000	27.10	0.00	0.00	0.00	5.51	7.82	0.00	7.82	0.00	1.65	3.13	0.01	4.80	0.00	16.00	0.00	0.	0.00
663	3.900	27.10	0.00	0.00	0.00	5.74	7.78	0.00	7.78	0.00	1.65	3.13	0.02	4.80	0.00	16.00	0.00	0.	0.00
664	3.800	27.10	0.00	0.00	0.00	5.94	7.75	0.00	7.75	0.00	1.65	3.12	0.03	4.80	0.00	16.00	0.00	0.	0.00
665	3.700	27.10	0.00	0.00	0.00	6.12	7.72	0.00	7.72	0.00	1.65	3.11	0.03	4.80	0.00	16.00	0.00	0.	0.00
666	3.600	27.10	0.00	0.00	0.00	6.27	7.68	0.00	7.68	0.00	1.65	3.11	0.04	4.80	0.00	16.00	0.00	0.	0.00
667	3.500	27.10	0.00	0.00	0.00	6.40	7.65	0.00	7.65	0.00	1.65	3.10	0.05	4.80	0.00	16.00	0.00	0.	0.00

FINAL REPORT Mile Creek LA-QUAL Model for Bayou Dorcheat
REACH NO. 10 Mile Creek Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
668	UPR RCH	0.06900	27.10	0.00	0.00	0.00	6.40	7.65	0.00	7.65	0.00	1.65	3.10	0.05	0.00	16.00	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
668	3.50	3.40	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
669	3.40	3.30	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
670	3.30	3.20	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
671	3.20	3.10	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
672	3.10	3.00	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
673	3.00	2.90	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
674	2.90	2.80	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
675	2.80	2.70	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
676	2.70	2.60	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
677	2.60	2.50	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
678	2.50	2.40	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032
679	2.40	2.30	0.06900	94.2	0.03238	0.04	0.37	5.76	213.12	576.00	2.13	0.00	0.000	0.000	0.032

TOT							0.43					2557.44	6912.00										
AVG						0.0324			0.37	5.76					2.13								
CUM							0.57																

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
668	3.400	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
669	3.300	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
670	3.200	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
671	3.100	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
672	3.000	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
673	2.900	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
674	2.800	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
675	2.700	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
676	2.600	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
677	2.500	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
678	2.400	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
679	2.300	7.95	3.48	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			3.04	0.15	0.00	0.00	0.00	0.00	0.00	0.40			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
668	3.400	27.10	0.00	0.00	0.00	6.45	7.59	0.00	7.59	0.00	1.65	3.09	0.06	4.79	0.00	16.00	0.00	0.	0.00
669	3.300	27.10	0.00	0.00	0.00	6.50	7.54	0.00	7.54	0.00	1.65	3.07	0.07	4.79	0.00	16.00	0.00	0.	0.00
670	3.200	27.10	0.00	0.00	0.00	6.54	7.48	0.00	7.48	0.00	1.65	3.06	0.08	4.79	0.00	16.00	0.00	0.	0.00
671	3.100	27.10	0.00	0.00	0.00	6.57	7.43	0.00	7.43	0.00	1.64	3.05	0.09	4.79	0.00	16.00	0.00	0.	0.00
672	3.000	27.10	0.00	0.00	0.00	6.61	7.37	0.00	7.37	0.00	1.64	3.04	0.11	4.79	0.00	16.00	0.00	0.	0.00
673	2.900	27.10	0.00	0.00	0.00	6.64	7.32	0.00	7.32	0.00	1.64	3.02	0.12	4.78	0.00	16.00	0.00	0.	0.00
674	2.800	27.10	0.00	0.00	0.00	6.66	7.26	0.00	7.26	0.00	1.64	3.01	0.13	4.78	0.00	16.00	0.00	0.	0.00
675	2.700	27.10	0.00	0.00	0.00	6.69	7.21	0.00	7.21	0.00	1.64	3.00	0.14	4.78	0.00	16.00	0.00	0.	0.00
676	2.600	27.10	0.00	0.00	0.00	6.71	7.16	0.00	7.16	0.00	1.64	2.99	0.15	4.78	0.00	16.00	0.00	0.	0.00
677	2.500	27.10	0.00	0.00	0.00	6.73	7.10	0.00	7.10	0.00	1.64	2.98	0.16	4.78	0.00	16.00	0.00	0.	0.00
678	2.400	27.10	0.00	0.00	0.00	6.75	7.05	0.00	7.05	0.00	1.64	2.96	0.18	4.77	0.00	16.00	0.00	0.	0.00
679	2.300	27.10	0.00	0.00	0.00	6.77	7.00	0.00	7.00	0.00	1.63	2.95	0.19	4.77	0.00	16.00	0.00	0.	0.00

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
680	UPR RCH	0.06900	27.10	0.00	0.00	0.00	6.77	7.00	0.00	7.00	0.00	1.63	2.95	0.19	0.00	16.00	0.00	0.00

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m^3/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m^3	SURFACE AREA m^2	X-SECT AREA m^2	TIDAL PRISM m^3	TIDAL VELO m/s	DISPRSN m^2/s	MEAN VELO m/s
680	2.30	2.20	0.06900	94.2	0.00769	0.15	0.58	15.48	897.84	1548.00	8.98	0.00	0.000	0.000	0.008
681	2.20	2.10	0.06900	94.2	0.00769	0.15	0.58	15.48	897.84	1548.00	8.98	0.00	0.000	0.000	0.008
682	2.10	2.00	0.06900	94.2	0.00769	0.15	0.58	15.48	897.84	1548.00	8.98	0.00	0.000	0.000	0.008
683	2.00	1.90	0.06900	94.2	0.00769	0.15	0.58	15.48	897.84	1548.00	8.98	0.00	0.000	0.000	0.008
684	1.90	1.80	0.06900	94.2	0.00769	0.15	0.58	15.48	897.84	1548.00	8.98	0.00	0.000	0.000	0.008
TOT						0.75			4489.20	7740.00					
AVG					0.0077		0.58	15.48			8.98				
CUM						1.33									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
680	2.200	7.95	1.53	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
681	2.100	7.95	1.53	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.13	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
682	2.000	7.95	1.53	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
683	1.900	7.95	1.53	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
684	1.800	7.95	1.53	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			1.33	0.15	0.00	0.00	0.00	0.00	0.00	0.40			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

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

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

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

NO.	DIST	DEG C	PPT			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	g/m³	#/100mL	
680	2.200	27.10	0.00	0.00	0.00	6.63	6.79	0.00	6.79	0.00	1.63	2.90	0.23	4.76	0.00	16.00	0.00	0.	0.00
681	2.100	27.10	0.00	0.00	0.00	6.52	6.58	0.00	6.58	0.00	1.62	2.85	0.28	4.76	0.00	16.00	0.00	0.	0.00
682	2.000	27.10	0.00	0.00	0.00	6.44	6.38	0.00	6.38	0.00	1.62	2.81	0.32	4.75	0.00	16.00	0.00	0.	0.00
683	1.900	27.10	0.00	0.00	0.00	6.39	6.19	0.00	6.19	0.00	1.61	2.76	0.37	4.74	0.00	16.00	0.00	0.	0.00
684	1.800	27.10	0.00	0.00	0.00	6.35	6.00	0.00	6.00	0.00	1.61	2.72	0.41	4.73	0.00	16.00	0.00	0.	0.00

FINAL REPORT Mile Creek LA-QUAL Model for Bayou Dorcheat
REACH NO. 12 Mile Creek Calibration to FTN 2005 field survey

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	PHOS mg/L	CHL A µg/L	COLI #/100mL	NCM
685	UPR RCH	0.06900	27.10	0.00	0.00	0.00	6.35	6.00	0.00	6.00	0.00	1.61	2.72	0.41	0.00	16.00	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
685	1.80	1.70	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
686	1.70	1.60	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
687	1.60	1.50	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
688	1.50	1.40	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
689	1.40	1.30	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
690	1.30	1.20	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
691	1.20	1.10	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
692	1.10	1.00	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
693	1.00	0.90	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
694	0.90	0.80	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
695	0.80	0.70	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
696	0.70	0.60	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
697	0.60	0.50	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
698	0.50	0.40	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
699	0.40	0.30	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
700	0.30	0.20	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
701	0.20	0.10	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
702	0.10	0.00	0.06900	94.2	0.00289	0.40	1.43	16.67	2383.81	1667.00	23.84	0.00	0.000	0.000	0.003
TOT						7.20			42908.57	30006.00					
AVG					0.0029		1.43	16.67			23.84				
CUM						8.53									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	ABOD#1 DECAY 1/da	BOD#2 DECAY 1/da	BOD#2 SETT 1/da	ABOD#2 DECAY 1/da	BKGD SOD *	FULL SOD *	CORR SOD *	ORGN DECAY 1/da	ORGN SETT 1/da	NH3 DECAY 1/da	NH3 SRCE *	DENIT RATE 1/da	PO4 SRCE *	ALG PROD **	MAC PROD **	COLI DECAY 1/da	NCM DECAY 1/da	NCM SETT 1/da
685	1.700	7.94	0.56	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00
686	1.600	7.92	0.57	0.21	0.00	0.00	0.00	0.00	0.00	0.63	0.63	0.63	0.02	0.00	0.12	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00
687	1.500	7.91	0.57	0.21	0.00	0.00	0.00	0.00	0.00	0.64	0.64	0.64	0.02	0.00	0.12	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
688	1.400	7.89	0.57	0.21	0.00	0.00	0.00	0.00	0.00	0.64	0.64	0.64	0.02	0.00	0.13	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
689	1.300	7.88	0.57	0.21	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.65	0.02	0.00	0.13	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
690	1.200	7.86	0.57	0.21	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.65	0.02	0.00	0.13	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00
691	1.100	7.84	0.57	0.22	0.00	0.00	0.00	0.00	0.00	0.66	0.66	0.66	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
692	1.000	7.83	0.57	0.22	0.00	0.00	0.00	0.00	0.00	0.66	0.66	0.66	0.02	0.00	0.13	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00
693	0.900	7.81	0.57	0.22	0.00	0.00	0.00	0.00	0.00	0.67	0.67	0.67	0.02	0.00	0.13	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00
694	0.800	7.80	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.67	0.67	0.67	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
695	0.700	7.78	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.68	0.68	0.68	0.02	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
696	0.600	7.77	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.68	0.68	0.68	0.02	0.00	0.14	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
697	0.500	7.75	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.69	0.02	0.00	0.14	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00
698	0.400	7.74	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.69	0.02	0.00	0.14	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00
699	0.300	7.72	0.58	0.22	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.69	0.02	0.00	0.14	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
700	0.200	7.71	0.58	0.23	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.70	0.02	0.00	0.14	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00
701	0.100	7.69	0.58	0.23	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.70	0.02	0.00	0.14	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00
702	0.000	7.68	0.58	0.23	0.00	0.00	0.00	0.00	0.00	0.71	0.71	0.71	0.02	0.00	0.14	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			0.49	0.15	0.00	0.00	0.00	0.00	0.00	0.40			0.02	0.00	0.08	0.00	0.00	0.00			0.00	0.00	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CM-I	CM-II	DO mg/L	BOD#1 mg/L	BOD#2 mg/L	EBOD#1 mg/L	EBOD#2 mg/L	ORGN mg/L	NH3 mg/L	NO3+2 mg/L	TOTN mg/L	PHOS mg/L	CHL A µg/L	MACRO g/m^3	COLI #/100mL	NCM
685	1.700	27.21	0.00	0.00	0.00	6.03	5.54	0.00	5.54	0.00	1.59	2.60	0.52	4.71	0.00	16.00	0.00	0.	0.00
686	1.600	27.32	0.00	0.00	0.00	5.81	5.11	0.00	5.11	0.00	1.58	2.49	0.62	4.69	0.00	16.00	0.00	0.	0.00
687	1.500	27.43	0.00	0.00	0.00	5.68	4.71	0.00	4.71	0.00	1.56	2.39	0.71	4.66	0.00	16.00	0.00	0.	0.00
688	1.400	27.54	0.00	0.00	0.00	5.61	4.34	0.00	4.34	0.00	1.55	2.29	0.81	4.64	0.00	16.00	0.00	0.	0.00
689	1.300	27.66	0.00	0.00	0.00	5.58	4.00	0.00	4.00	0.00	1.53	2.19	0.89	4.62	0.00	16.00	0.00	0.	0.00
690	1.200	27.77	0.00	0.00	0.00	5.60	3.69	0.00	3.69	0.00	1.52	2.10	0.98	4.60	0.00	16.00	0.00	0.	0.00
691	1.100	27.88	0.00	0.00	0.00	5.64	3.39	0.00	3.39	0.00	1.51	2.01	1.06	4.57	0.00	16.00	0.00	0.	0.00
692	1.000	27.99	0.00	0.00	0.00	5.70	3.12	0.00	3.12	0.00	1.49	1.92	1.13	4.55	0.00	16.00	0.00	0.	0.00
693	0.900	28.10	0.00	0.00	0.00	5.78	2.87	0.00	2.87	0.00	1.48	1.84	1.21	4.53	0.00	16.00	0.00	0.	0.00
694	0.800	28.21	0.00	0.00	0.00	5.87	2.64	0.00	2.64	0.00	1.46	1.76	1.28	4.50	0.00	16.00	0.00	0.	0.00
695	0.700	28.32	0.00	0.00	0.00	5.96	2.43	0.00	2.43	0.00	1.45	1.69	1.34	4.48	0.00	16.00	0.00	0.	0.00
696	0.600	28.43	0.00	0.00	0.00	6.06	2.23	0.00	2.23	0.00	1.44	1.61	1.41	4.46	0.00	16.00	0.00	0.	0.00

697	0.500	28.54	0.00	0.00	0.00	6.17	2.05	0.00	2.05	0.00	1.42	1.54	1.47	4.43	0.00	16.00	0.00	0.	0.00
698	0.400	28.66	0.00	0.00	0.00	6.27	1.88	0.00	1.88	0.00	1.41	1.47	1.52	4.41	0.00	16.00	0.00	0.	0.00
699	0.300	28.77	0.00	0.00	0.00	6.37	1.73	0.00	1.73	0.00	1.40	1.41	1.58	4.38	0.00	16.00	0.00	0.	0.00
700	0.200	28.88	0.00	0.00	0.00	6.47	1.58	0.00	1.58	0.00	1.38	1.35	1.63	4.36	0.00	16.00	0.00	0.	0.00
701	0.100	28.99	0.00	0.00	0.00	6.57	1.45	0.00	1.45	0.00	1.37	1.29	1.68	4.34	0.00	16.00	0.00	0.	0.00
702	0.000	29.10	0.00	0.00	0.00	6.67	1.33	0.00	1.33	0.00	1.36	1.23	1.73	4.31	0.00	16.00	0.00	0.	0.00

STREAM SUMMARY
Mile Creek

LA-QUAL Model for Bayou Dorcheat
Calibration to FTN 2005 field survey

TRAVEL TIME	=	8.53	DAYS		
MAXIMUM EFFLUENT	=	94.20	PERCENT		
FLOW	=	0.06900	TO	0.06900	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00289	TO	0.05566	m/s
DEPTH	=	0.23	TO	1.43	m
WIDTH	=	5.39	TO	16.67	m
BOD DECAY	=	0.21	TO	0.23	per day
NH3 DECAY	=	0.12	TO	0.14	per day
SOD	=	0.63	TO	0.71	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.56	TO	7.25	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	=	27.10	TO	29.10	deg C
DISSOLVED OXYGEN	=	5.24	TO	6.77	mg/L

LA-QUAL Model for Bayou Dorcheat
Calibration to FTN 2005 field survey

INPUT/OUTPUT LOADING SUMMARY

	FLOW	DO	BOD#1	BOD#2	ORG-N	NH3-N	NO3-N	PHOS	CHL A	NCM
	m^3/s	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d	kg/d		
HEADWATER FLOW	0.061	11.7	26.2	0.0	7.4	1.1	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCREMENTAL OUTFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WASTELOADS	0.101	49.7	68.5	0.0	14.6	22.4	0.0	0.0	0.0	0.0
WITHDRAWLS	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-0.162	-71.0	-108.9	0.0	-20.6	-3.6	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DISPERSION THRU HDWTR BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-POINT INPUT		0.0	14359.9	0.0	259.0					0.0
NATURAL REAERATION		11373.3								
DAM REAERATION		0.0								
BACKGROUND SOD		-5073.9								
BOD#1 DECAY		-14345.8	-14345.8							
BOD#1 SETTLING		0.0	0.0							
ANAEROBIC BOD#1 DECAY			0.0							
BOD#2 DECAY		0.0		0.0						
BOD#2 SETTLING		0.0		0.0						
ANAEROBIC BOD#2 DECAY				0.0						
ORG-N DECAY		0.0			-260.5	260.5				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-1213.8				-280.3	280.3			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		9269.7				0.0	-463.5	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		0.0								0.0
NCM SETTLING		0.0								0.0
TOTAL INPUTS	0.162	20704.4	14454.6	0.0	281.0	283.9	280.3	0.0	0.0	0.0
TOTAL OUTPUTS	-0.162	-20704.5	-14454.6	0.0	-281.0	-283.9	-463.5	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-0.1	0.0	0.0	0.0	0.0	-183.2	0.0	0.0	0.0

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.....EXECUTION COMPLETED
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APPENDIX K

Headwater Temperature Calculations for Projections

Table K.1. 90th Percentile Calculations for Bayou Dorcheat west of Sibley, Louisiana (LDEQ 0274)

Summer 90th percentile = 29.6
Winter 90th percentile = 19.1

Date	Temp (C)	Season	Percentile
10/14/96	19.57	summer	2.08%
10/12/92	19.83	summer	6.25%
6/16/92	20.55	summer	10.42%
10/15/91	21.40	summer	14.58%
10/12/93	21.61	summer	18.75%
10/10/94	21.91	summer	22.92%
10/10/95	22.33	summer	27.08%
10/15/90	22.70	summer	31.25%
10/13/97	23.27	summer	35.42%
6/10/97	24.38	summer	39.58%
6/11/96	25.56	summer	43.75%
6/10/91	25.70	summer	47.92%
8/12/96	25.71	summer	52.08%
6/13/95	26.57	summer	56.25%
6/11/90	26.70	summer	60.42%
8/9/94	27.72	summer	64.58%
6/14/94	27.76	summer	68.75%
8/13/90	28.60	summer	72.92%
6/15/93	28.87	summer	77.08%
8/11/97	29.10	summer	81.25%
8/10/93	29.37	summer	85.42%
8/11/92	29.50	summer	89.58%
8/12/91	30.35	summer	93.75%
8/14/95	31.01	summer	97.92%

Date	Temp (C)	Season	Percentile
2/13/95	7.58	winter	1.92%
12/8/97	9.02	winter	5.77%
2/17/97	9.65	winter	9.62%
2/11/92	9.71	winter	13.46%
12/12/94	9.72	winter	17.31%
12/15/92	10.00	winter	21.15%
2/7/94	10.18	winter	25.00%
2/12/96	10.38	winter	28.85%
12/12/95	10.59	winter	32.69%
2/9/98	10.60	winter	36.54%
12/13/93	10.67	winter	40.38%
12/9/91	11.39	winter	44.23%
12/10/96	11.91	winter	48.08%
12/10/90	12.20	winter	51.92%
2/4/91	12.27	winter	55.77%
2/8/93	13.02	winter	59.62%
4/14/97	14.72	winter	63.46%
4/7/92	15.61	winter	67.31%
2/12/90	15.90	winter	71.15%
4/9/90	16.10	winter	75.00%
4/9/96	16.81	winter	78.85%
4/3/95	17.10	winter	82.69%
4/11/94	18.66	winter	86.54%
4/13/98	19.19	winter	90.38%
4/15/91	19.85	winter	94.23%
4/12/93	20.53	winter	98.08%

Table K.2. 90th Percentile Calculations for Bayou Dorcheat west of Minden, Louisiana (LDEQ 0061)

Summer 90th percentile = 32.0
Winter 90th percentile = 20.0

Date	Water Temp (C)	Season	Percentile	Date	Water Temp (C)	Season	Percentile
10/1/64	16.0	summer	0.26%	1/11/88	1.5	winter	0.26%
8/4/77	16.0	summer	0.79%	1/1/68	4.0	winter	0.79%
5/11/81	16.0	summer	1.32%	1/1/70	4.0	winter	1.32%
10/1/58	17.0	summer	1.84%	1/1/73	4.0	winter	1.85%
10/1/75	17.0	summer	2.37%	1/11/82	4.0	winter	2.38%
10/13/80	18.0	summer	2.89%	1/14/85	4.0	winter	2.91%
10/12/81	18.0	summer	3.42%	2/7/83	4.9	winter	3.44%
5/10/82	18.0	summer	3.95%	1/1/60	5.0	winter	3.97%
5/10/83	18.3	summer	4.47%	1/1/61	5.0	winter	4.50%
5/14/79	18.5	summer	5.00%	1/1/69	5.0	winter	5.03%
5/1/63	19.0	summer	5.53%	1/6/76	5.0	winter	5.56%
5/1/66	19.0	summer	6.05%	1/8/79	5.0	winter	6.08%
5/8/89	19.6	summer	6.58%	2/11/80	5.0	winter	6.61%
10/10/88	19.8	summer	7.11%	2/9/82	5.0	winter	7.14%
5/1/59	20.0	summer	7.63%	2/8/88	5.1	winter	7.67%
5/1/60	20.0	summer	8.16%	1/12/87	5.4	winter	8.20%
10/1/61	20.0	summer	8.68%	3/1/60	6.0	winter	8.73%
7/1/62	20.0	summer	9.21%	2/1/61	6.0	winter	9.26%
5/1/67	20.0	summer	9.74%	2/12/79	6.0	winter	9.79%
5/1/68	20.0	summer	10.26%	12/10/79	6.0	winter	10.32%
5/1/69	20.0	summer	10.79%	12/13/82	6.0	winter	10.85%
5/1/70	20.0	summer	11.32%	2/11/85	6.1	winter	11.38%
5/1/73	20.0	summer	11.84%	1/13/86	6.5	winter	11.90%
6/1/76	20.0	summer	12.37%	12/12/88	6.6	winter	12.43%
10/4/76	20.0	summer	12.89%	3/5/02	6.8	winter	12.96%
5/3/77	20.0	summer	13.42%	1/1/67	7.0	winter	13.49%
5/8/78	20.0	summer	13.95%	12/2/76	7.0	winter	14.02%
10/13/86	20.0	summer	14.47%	1/6/77	7.0	winter	14.55%
10/12/87	20.1	summer	15.00%	12/11/78	7.0	winter	15.08%
10/9/89	20.4	summer	15.53%	1/14/80	7.0	winter	15.61%
5/9/88	20.8	summer	16.05%	2/9/81	7.0	winter	16.14%
5/1/62	21.0	summer	16.58%	2/5/02	7.3	winter	16.67%
9/1/68	21.0	summer	17.11%	12/10/84	7.7	winter	17.20%
10/1/68	21.0	summer	17.63%	2/13/89	7.7	winter	17.72%
10/1/74	21.0	summer	18.16%	1/10/83	7.8	winter	18.25%
6/2/75	21.0	summer	18.68%	2/1/60	8.0	winter	18.78%
5/12/80	21.0	summer	19.21%	12/1/63	8.0	winter	19.31%
5/14/84	21.3	summer	19.74%	1/1/64	8.0	winter	19.84%
5/1/61	22.0	summer	20.26%	12/5/75	8.0	winter	20.37%
6/1/67	22.0	summer	20.79%	12/14/81	8.0	winter	20.90%
5/1/75	22.0	summer	21.32%	3/8/82	8.0	winter	21.43%
7/2/76	22.0	summer	21.84%	12/11/89	8.9	winter	21.96%
10/11/82	22.0	summer	22.37%	1/1/59	9.0	winter	22.49%
5/13/85	22.4	summer	22.89%	2/1/63	9.0	winter	23.02%
5/12/86	22.7	summer	23.42%	2/1/65	9.0	winter	23.54%
5/7/02	22.9	summer	23.95%	3/1/66	9.0	winter	24.07%
5/1/64	23.0	summer	24.47%	2/4/77	9.0	winter	24.60%
10/1/65	23.0	summer	25.00%	12/8/86	9.5	winter	25.13%
6/1/70	23.0	summer	25.53%	12/3/02	9.8	winter	25.66%
6/12/78	23.0	summer	26.05%	12/1/58	10.0	winter	26.19%
6/11/79	23.0	summer	26.58%	1/1/62	10.0	winter	26.72%
6/8/81	23.0	summer	27.11%	1/1/63	10.0	winter	27.25%
9/8/86	23.3	summer	27.63%	2/1/64	10.0	winter	27.78%
6/9/86	23.7	summer	28.16%	3/1/64	10.0	winter	28.31%
5/1/65	24.0	summer	28.68%	1/1/66	10.0	winter	28.84%
8/4/75	24.0	summer	29.21%	12/1/68	10.0	winter	29.37%
9/6/76	24.0	summer	29.74%	2/1/69	10.0	winter	29.89%
10/3/77	24.0	summer	30.26%	12/1/69	10.0	winter	30.42%

Date	Temp (C)	Season	Percentile
8/13/79	24.0	summer	30.79%
10/14/85	24.0	summer	31.32%
5/11/87	24.0	summer	31.84%
6/9/80	24.5	summer	32.37%
6/13/83	24.5	summer	32.89%
6/9/87	24.5	summer	33.42%
6/12/89	24.5	summer	33.95%
8/14/89	24.5	summer	34.47%
10/1/62	25.0	summer	35.00%
10/1/66	25.0	summer	35.53%
10/1/69	25.0	summer	36.05%
6/1/73	25.0	summer	36.58%
10/1/73	25.0	summer	37.11%
9/4/74	25.0	summer	37.63%
8/14/78	25.0	summer	38.16%
9/11/78	25.0	summer	38.68%
9/10/79	25.0	summer	39.21%
6/14/82	25.0	summer	39.74%
9/12/88	25.0	summer	40.26%
7/11/83	25.4	summer	40.79%
7/9/79	25.5	summer	41.32%
8/10/81	25.5	summer	41.84%
6/4/02	25.9	summer	42.37%
7/1/58	26.0	summer	42.89%
10/1/60	26.0	summer	43.42%
7/1/61	26.0	summer	43.95%
8/1/61	26.0	summer	44.47%
6/1/62	26.0	summer	45.00%
10/1/63	26.0	summer	45.53%
6/1/65	26.0	summer	46.05%
10/1/67	26.0	summer	46.58%
7/1/68	26.0	summer	47.11%
6/1/69	26.0	summer	47.63%
9/1/71	26.0	summer	48.16%
8/1/73	26.0	summer	48.68%
9/1/73	26.0	summer	49.21%
5/1/74	26.0	summer	49.74%
9/1/75	26.0	summer	50.26%
8/2/76	26.0	summer	50.79%
6/1/77	26.0	summer	51.32%
7/10/78	26.0	summer	51.84%
10/6/78	26.0	summer	52.37%
7/13/81	26.0	summer	52.89%
9/14/81	26.0	summer	53.42%
6/11/84	26.0	summer	53.95%
7/9/84	26.0	summer	54.47%
9/10/84	26.1	summer	55.00%
9/14/87	26.2	summer	55.53%
8/13/84	26.4	summer	56.05%
10/8/84	26.4	summer	56.58%
7/11/89	26.4	summer	57.11%
9/11/89	26.9	summer	57.63%
9/1/67	27.0	summer	58.16%
5/1/72	27.0	summer	58.68%
10/1/72	27.0	summer	59.21%
9/15/80	27.0	summer	59.74%
7/12/82	27.0	summer	60.26%
9/13/82	27.0	summer	60.79%
6/14/88	27.1	summer	61.32%
9/12/83	27.2	summer	61.84%
7/14/86	27.2	summer	62.37%
9/10/02	27.8	summer	62.89%
9/1/58	28.0	summer	63.42%
7/1/67	28.0	summer	63.95%

Date	Temp (C)	Season	Percentile
2/1/70	10.0	winter	30.95%
12/1/72	10.0	winter	31.48%
2/6/76	10.0	winter	32.01%
4/12/82	10.0	winter	32.54%
11/15/82	10.0	winter	33.07%
3/12/84	10.0	winter	33.60%
1/9/89	10.0	winter	34.13%
12/9/85	10.2	winter	34.66%
1/7/02	10.5	winter	35.19%
1/7/74	10.5	winter	35.71%
3/9/81	10.5	winter	36.24%
2/17/86	10.5	winter	36.77%
12/14/87	10.9	winter	37.30%
2/1/59	11.0	winter	37.83%
12/1/59	11.0	winter	38.36%
2/1/67	11.0	winter	38.89%
11/1/68	11.0	winter	39.42%
2/1/73	11.0	winter	39.95%
12/3/74	11.0	winter	40.48%
1/3/78	11.0	winter	41.01%
3/6/78	11.0	winter	41.53%
12/12/83	11.1	winter	42.06%
3/14/88	11.4	winter	42.59%
2/13/84	11.5	winter	43.12%
1/1/65	12.0	winter	43.65%
12/1/66	12.0	winter	44.18%
3/1/69	12.0	winter	44.71%
2/1/72	12.0	winter	45.24%
1/2/75	12.0	winter	45.77%
3/1/77	12.0	winter	46.30%
11/17/80	12.0	winter	46.83%
11/17/86	12.0	winter	47.35%
3/14/83	12.4	winter	47.88%
3/1/61	13.0	winter	48.41%
12/1/61	13.0	winter	48.94%
2/1/62	13.0	winter	49.47%
3/1/65	13.0	winter	50.00%
3/1/68	13.0	winter	50.53%
3/10/80	13.0	winter	51.06%
11/16/81	13.0	winter	51.59%
11/17/87	13.3	winter	52.12%
2/16/87	13.5	winter	52.65%
3/13/89	13.7	winter	53.17%
3/9/87	13.8	winter	53.70%
11/6/02	13.8	winter	54.23%
12/1/60	14.0	winter	54.76%
4/1/62	14.0	winter	55.29%
2/1/66	14.0	winter	55.82%
11/1/66	14.0	winter	56.35%
2/1/68	14.0	winter	56.88%
3/1/70	14.0	winter	57.41%
3/1/76	14.0	winter	57.94%
4/14/80	14.0	winter	58.47%
4/10/89	14.3	winter	58.99%
11/14/83	14.5	winter	59.52%
3/1/59	15.0	winter	60.05%
12/1/62	15.0	winter	60.58%
3/1/63	15.0	winter	61.11%
12/1/65	15.0	winter	61.64%
3/1/67	15.0	winter	62.17%
12/1/67	15.0	winter	62.70%
12/1/71	15.0	winter	63.23%
1/1/72	15.0	winter	63.76%
3/1/73	15.0	winter	64.29%

Table K.2. 90th percentile calculations for Bayou Dorcheat west of Minden.

Date	Temp (C)	Season	Percentile
10/1/70	28.0	summer	64.47%
5/1/71	28.0	summer	65.00%
7/2/75	28.0	summer	65.53%
9/2/77	28.0	summer	66.05%
8/11/86	28.2	summer	66.58%
6/10/85	28.3	summer	67.11%
9/9/85	28.3	summer	67.63%
8/8/83	28.5	summer	68.16%
7/8/85	28.5	summer	68.68%
10/10/83	28.7	summer	69.21%
7/11/88	28.7	summer	69.74%
6/1/58	29.0	summer	70.26%
10/1/59	29.0	summer	70.79%
6/1/60	29.0	summer	71.32%
6/1/61	29.0	summer	71.84%
6/1/66	29.0	summer	72.37%
7/1/73	29.0	summer	72.89%
6/10/74	29.0	summer	73.42%
7/5/77	29.0	summer	73.95%
8/9/82	29.0	summer	74.47%
8/8/88	29.0	summer	75.00%
7/13/87	29.6	summer	75.53%
8/6/02	29.7	summer	76.05%
8/1/59	30.0	summer	76.58%
9/1/61	30.0	summer	77.11%
7/1/65	30.0	summer	77.63%
6/1/68	30.0	summer	78.16%
8/1/68	30.0	summer	78.68%
8/1/69	30.0	summer	79.21%
9/1/69	30.0	summer	79.74%
7/1/72	30.0	summer	80.26%
9/1/72	30.0	summer	80.79%
7/2/74	30.0	summer	81.32%
8/1/74	30.0	summer	81.84%
8/11/80	30.0	summer	82.37%
8/12/85	30.0	summer	82.89%
8/11/87	30.0	summer	83.42%
6/1/64	31.0	summer	83.95%
7/1/64	31.0	summer	84.47%
9/1/66	31.0	summer	85.00%
8/1/67	31.0	summer	85.53%
8/1/71	31.0	summer	86.05%
10/1/71	31.0	summer	86.58%
7/1/59	32.0	summer	87.11%
7/1/60	32.0	summer	87.63%
9/1/60	32.0	summer	88.16%
8/1/62	32.0	summer	88.68%
9/1/62	32.0	summer	89.21%
6/1/63	32.0	summer	89.74%
7/1/63	32.0	summer	90.26%
9/1/64	32.0	summer	90.79%
8/1/65	32.0	summer	91.32%
9/1/65	32.0	summer	91.84%
8/1/66	32.0	summer	92.37%
8/1/72	32.0	summer	92.89%
8/1/60	33.0	summer	93.42%
9/1/63	33.0	summer	93.95%
8/1/64	33.0	summer	94.47%
7/1/66	33.0	summer	95.00%
7/1/70	34.0	summer	95.53%
6/1/72	34.0	summer	96.05%
8/1/63	35.0	summer	96.58%
8/1/70	35.0	summer	97.11%
9/1/70	35.0	summer	97.63%

Date	Temp (C)	Season	Percentile
3/4/75	15.0	winter	64.81%
4/1/76	15.0	winter	65.34%
12/2/77	15.0	winter	65.87%
12/8/80	15.0	winter	66.40%
4/9/84	15.5	winter	66.93%
11/1/58	16.0	winter	67.46%
11/1/59	16.0	winter	67.99%
11/1/62	16.0	winter	68.52%
4/1/64	16.0	winter	69.05%
11/1/67	16.0	winter	69.58%
2/1/71	16.0	winter	70.11%
2/4/75	16.0	winter	70.63%
3/13/79	16.0	winter	71.16%
4/11/88	16.2	winter	71.69%
4/9/85	16.6	winter	72.22%
3/17/86	16.6	winter	72.75%
4/1/61	17.0	winter	73.28%
12/1/73	17.0	winter	73.81%
11/14/74	17.0	winter	74.34%
4/2/75	17.0	winter	74.87%
4/5/77	17.0	winter	75.40%
3/11/85	17.0	winter	75.93%
4/2/02	17.3	winter	76.46%
4/2/02	17.3	winter	76.98%
11/13/84	17.5	winter	77.51%
4/1/60	18.0	winter	78.04%
11/1/60	18.0	winter	78.57%
11/1/65	18.0	winter	79.10%
4/1/73	18.0	winter	79.63%
2/4/74	18.0	winter	80.16%
11/3/75	18.0	winter	80.69%
11/15/88	18.5	winter	81.22%
11/13/89	18.5	winter	81.75%
1/9/84	18.8	winter	82.28%
11/18/85	18.9	winter	82.80%
11/1/61	19.0	winter	83.33%
11/1/63	19.0	winter	83.86%
4/1/65	19.0	winter	84.39%
4/1/66	19.0	winter	84.92%
4/1/68	19.0	winter	85.45%
11/1/69	19.0	winter	85.98%
3/1/72	19.0	winter	86.51%
11/1/72	19.0	winter	87.04%
11/1/73	19.0	winter	87.57%
4/16/79	19.0	winter	88.10%
4/1/59	20.0	winter	88.62%
11/1/64	20.0	winter	89.15%
4/1/70	20.0	winter	89.68%
11/1/70	20.0	winter	90.21%
11/2/77	20.0	winter	90.74%
4/14/86	20.0	winter	91.27%
4/10/78	20.5	winter	91.80%
4/1/69	21.0	winter	92.33%
1/1/71	21.0	winter	92.86%
3/1/71	21.0	winter	93.39%
4/13/87	21.2	winter	93.92%
4/14/81	22.5	winter	94.44%
4/1/63	23.0	winter	94.97%
4/1/67	24.0	winter	95.50%
4/1/72	24.0	winter	96.03%
12/1/70	25.0	winter	96.56%
3/12/74	25.0	winter	97.09%
4/1/74	25.0	winter	97.62%
11/13/78	25.5	winter	98.15%

Table K.2. 90th percentile calculations for Bayou Dorcheat west of Minden.

Date	Temp (C)	Season	Percentile
7/1/69	36.0	summer	98.16%
6/1/71	36.0	summer	98.68%
10/8/02	48.6	summer	99.21%
7/16/02	55.7	summer	99.74%

Date	Temp (C)	Season	Percentile
4/1/71	26.0	winter	98.68%
11/1/71	27.0	winter	99.21%
4/11/83	30.0	winter	99.74%

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Table K.2. 90th percentile calculations for Bayou Dorcheat west of Minden.

APPENDIX L

Model Input and Output for Projection Simulations

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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is D:\laqual\revDorcheat_ProjSummer-crl3.txt
Output produced at 14:46 on 02/26/2008

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Bayou Dorcheat
TITLE02         Summer Projection-Minden limits reduced
CNTROL03   NO   SEQU                        <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                        <Warning: legacy control - line ignored>
ENDATA01

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

CARD TYPE       MODEL OPTION

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

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

CARD TYPE       DESCRIPTION OF CONSTANT                        VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =        2.00000 (widths and depths)
PROGRAM         MAXIMUM ITERATION LIMIT            =      999.00000
PROGRAM         N INHIBITION EQUATION              =        1.00000 (two-step)
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

THETA        NH3 DECA       1.07000
ENDATA04
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA05

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	D1	Bayou Dorcheat	69.70	TO	65.20	0.1000	4.50	45	1	45
REACH ID	2	B1	Braley Creek	3.50	TO	0.00	0.1000	3.50	35	46	80
REACH ID	3	D2	Bayou Dorcheat	65.20	TO	58.80	0.1000	6.40	64	81	144
REACH ID	4	D3	Bayou Dorcheat	58.80	TO	52.50	0.1000	6.30	63	145	207
REACH ID	5	D4	Bayou Dorcheat	52.50	TO	38.60	0.1000	13.90	139	208	346
REACH ID	6	D5	Bayou Dorcheat	38.60	TO	25.70	0.1000	12.90	129	347	475
REACH ID	7	D6	Bayou Dorcheat	25.70	TO	14.50	0.1000	11.20	112	476	587
REACH ID	8	D7	Bayou Dorcheat	14.50	TO	7.20	0.1000	7.30	73	588	660
REACH ID	9	M1	Mile Creek	4.20	TO	3.50	0.1000	0.70	7	661	667
REACH ID	10	M2	Mile Creek	3.50	TO	2.30	0.1000	1.20	12	668	679
REACH ID	11	M3	Mile Creek	2.30	TO	1.80	0.1000	0.50	5	680	684
REACH ID	12	M4	Mile Creek	1.80	TO	0.00	0.1000	1.80	18	685	702
REACH ID	13	D8	Bayou Dorcheat	7.20	TO	0.00	0.1000	7.20	72	703	774

ENDATA08

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

CARD TYPE	REACH	ID	WIDTH "A"	WIDTH "B"	WIDTH "C"	DEPTH "D"	DEPTH "E"	DEPTH "F"	SLOPE	MANNINGS "N"
HYDR-1	1	D1	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	2	B1	0.000	0.000	3.180	0.000	0.000	0.540	0.00000	0.000
HYDR-1	3	D2	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	4	D3	0.000	0.000	65.220	0.000	0.000	3.140	0.00000	0.000
HYDR-1	5	D4	0.000	0.000	35.960	0.000	0.000	3.140	0.00000	0.000
HYDR-1	6	D5	0.000	0.000	20.420	0.000	0.000	3.080	0.00000	0.000

HYDR-1	7	D6	0.000	0.000	18.290	0.000	0.000	3.020	0.00000	0.000
HYDR-1	8	D7	0.000	0.000	33.830	0.000	0.000	2.960	0.00000	0.000
HYDR-1	9	M1	0.000	0.000	5.390	0.000	0.000	0.230	0.00000	0.000
HYDR-1	10	M2	0.000	0.000	5.760	0.000	0.000	0.370	0.00000	0.000
HYDR-1	11	M3	0.000	0.000	15.480	0.000	0.000	0.580	0.00000	0.000
HYDR-1	12	M4	0.000	0.000	16.670	0.000	0.000	1.430	0.00000	0.000
HYDR-1	13	D8	0.000	0.000	50.290	0.000	0.000	2.960	0.00000	0.000

ENDATA09

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

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

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	D1	30.80	0.00	1.80	0.19	0.00	0.00	16.00	0.00
INITIAL	2	B1	30.80	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	3	D2	30.80	0.00	1.97	0.19	0.00	0.00	16.00	0.00
INITIAL	4	D3	30.80	0.00	2.13	0.19	0.00	0.00	16.00	0.00
INITIAL	5	D4	30.80	0.00	2.30	0.19	0.00	0.00	16.00	0.00
INITIAL	6	D5	30.80	0.00	2.47	0.19	0.00	0.00	16.00	0.00
INITIAL	7	D6	30.80	0.00	2.63	0.19	0.00	0.00	16.00	0.00
INITIAL	8	D7	30.80	0.00	2.80	0.19	0.00	0.00	16.00	0.00
INITIAL	9	M1	30.80	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	10	M2	30.80	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	11	M3	30.80	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	12	M4	30.80	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	13	D8	30.80	0.00	5.10	0.19	0.00	0.00	16.00	0.00

ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$

CARD TYPE	RCH NUM	RCH ID	K2 OPT	K2 "A"	K2 "B"	K2 "C"	BKGRND SOD g/m²/d	BOD DECAY per day	BOD SETT m/d	BOD CONV TO SOD	ANAER BOD2 DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEFF-1	1	D1	20 K2=a/D	0.840	0.000	0.000	1.620	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	2	B1	15 LOUISIANA	0.000	0.000	0.000	0.400	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	3	D2	20 K2=a/D	0.840	0.000	0.000	1.130	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	4	D3	20 K2=a/D	0.970	0.000	0.000	0.810	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	5	D4	20 K2=a/D	0.890	0.000	0.000	0.400	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	6	D5	20 K2=a/D	0.810	0.000	0.000	0.400	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	7	D6	20 K2=a/D	0.800	0.000	0.000	0.400	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	8	D7	20 K2=a/D	0.880	0.000	0.000	0.590	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	9	M1	15 LOUISIANA	0.000	0.000	0.000	0.400	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000

```
COEFF-1   10   M2  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   11   M3  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   12   M4  15 LOUISIANA       0.000     0.000     0.000     0.400     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   13   D8  20 K2=a/D          0.970     0.000     0.000     0.400     0.150     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   D1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          2   B1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          3   D2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          4   D3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          5   D4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          6   D5       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          7   D6       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          8   D7       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          9   M1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         10   M2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         11   M3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         12   M4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         13   D8       0.020     0.000     1.000       0.080     0.000     0.000     0.000
ENDATA13

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

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

ENDATA14

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

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

ENDATA15

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

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

ENDATA16

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

CARD TYPE      REACH  ID          DO       BOD     ORG-N     NH3-N     NO3-N     BOD#2
```

ENDATA17

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

CARD TYPE	REACH	ID	PHOS	CHL A	COLI	NCM

ENDATA18

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

CARD TYPE	REACH	ID	BOD#1	ORG-N	COLI	NCM	DO	BOD#2
NONPOINT	1	D1	158.00	5.40	0.00	0.00	0.00	0.00
NONPOINT	2	B1	5.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	D2	315.00	9.00	0.00	0.00	0.00	0.00
NONPOINT	4	D3	1170.00	22.50	0.00	0.00	0.00	0.00
NONPOINT	5	D4	1800.00	27.00	0.00	0.00	0.00	0.00
NONPOINT	6	D5	900.00	13.50	0.00	0.00	0.00	0.00
NONPOINT	7	D6	630.00	10.40	0.00	0.00	0.00	0.00
NONPOINT	8	D7	630.00	11.70	0.00	0.00	0.00	0.00
NONPOINT	9	M1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	M2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	11	M3	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	12	M4	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	13	D8	855.00	17.10	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 m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I	CM-II	
HDWTR-1	1	Bayou Dorcheat	0	0.01700	0.600	30.80	0.00	0.000	0.000	0.00
HDWTR-1	46	Braley Creek	0	0.00280	0.099	30.80	0.00	0.000	0.000	0.00
HDWTR-1	661	Mile Creek	0	0.00280	0.099	30.80	0.00	0.000	0.000	0.00

ENDATA20

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD#1 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	BOD#2 mg/L
HDWTR-2	1	Bayou Dorcheat	6.71	1.99	0.63	0.09	0.00	0.00
HDWTR-2	46	Braley Creek	6.71	5.63	0.64	0.09	0.00	0.00
HDWTR-2	661	Mile Creek	6.71	5.63	0.64	0.09	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PHOS	CHL A	COLI	NCM

```
                                                  mg/L      mg/L      mg/L      mg/L

ENDATA22

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

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

JUNCTION         81      45      65.20     Braley Creek and Bayou Dorcheat
JUNCTION        703     660       7.20     Mile Creek and Bayou Dorcheat
ENDATA23

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

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

WSTLD-1       46       3.50  PS: Cullen WWTP      0.01630    0.57556    0.372   30.80     0.00     0.000     0.000
WSTLD-1       51       3.00  Braley Creek Trib    0.00020    0.00706    0.005   30.80     0.00     0.000     0.000
WSTLD-1      176      55.70  Indian Creek         0.00530    0.18715    0.121   30.80     0.00     0.000     0.000
WSTLD-1      305      42.80  Black Bayou          0.00890    0.31427    0.203   30.80     0.00     0.000     0.000
WSTLD-1      390      34.30  Flat Lick Bayou      0.01090    0.38489    0.249   30.80     0.00     0.000     0.000
WSTLD-1      613      12.00  PS: Dixie Inn        0.00410    0.14477    0.094   30.80     0.00     0.000     0.000
WSTLD-1      661       4.20  PS: Minden WWTP      0.13400    4.73164    3.059   30.80     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          46     PS: Cullen WWTP            5.00     23.00    0.00      1.83     3.65     0.00     0.00     0.00
WSTLD-2          51     Braley Creek Trib          6.71      5.63    0.00      0.64     0.09     0.00     0.00     0.00
WSTLD-2         176     Indian Creek               6.71      3.06    0.00      0.74     0.09     0.00     0.00     0.00
WSTLD-2         305     Black Bayou                6.71      3.06    0.00      0.74     0.09     0.00     0.00     0.00
WSTLD-2         390     Flat Lick Bayou            6.71      3.06    0.00      0.74     0.09     0.00     0.00     0.00
WSTLD-2         613     PS: Dixie Inn              5.00     23.00    0.00      1.67     3.33     0.00     0.00     0.00
WSTLD-2         661     PS: Minden WWTP            5.00     11.50    0.00      0.67     1.33     0.00     0.00     0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

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

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$
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```
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 =  3
NUMBER OF REACHES IN PLOT 1 =   8
PLOT RCH  1  3  4  5  6  7  8 13
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
NUMBER OF REACHES IN PLOT 3 =   4
PLOT RCH  9 10 11 12
ENDATA30

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


OVERLAY 1 Dor-proj.OVL                    :Bayou Dorcheat (Rch 1;3-8;13); State Line to Lake Bistine
OVERLAY 2 Braley.OVL                      :Braley Creek (Rch 2); US of Cullen STP to Bayou Dorcheat
OVERLAY 3 TenMile.OVL                     :Ten Mile Creek (Rch 9-12); US Minden STP to Bayou Dorchea
ENDATA31



     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN  14 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
```

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
		HDWTR	0.017	30.8	0.0	6.7	2.0	0.0	0.6	0.1	16.0													
1	D1 1	69.60	0.017	30.8	0.0	6.7	1.9	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
2	D1 1	69.50	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
3	D1 1	69.40	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
4	D1 1	69.30	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
5	D1 1	69.20	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
6	D1 1	69.10	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
7	D1 1	69.00	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
8	D1 1	68.90	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
9	D1 1	68.80	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.19
10	D1 1	68.70	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
11	D1 1	68.60	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
12	D1 1	68.50	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
13	D1 1	68.40	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
14	D1 1	68.30	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
15	D1 1	68.20	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
16	D1 1	68.10	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
17	D1 1	68.00	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
18	D1 1	67.90	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
19	D1 1	67.80	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
20	D1 1	67.70	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
21	D1 1	67.60	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
22	D1 1	67.50	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
23	D1 1	67.40	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
24	D1 1	67.30	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
25	D1 1	67.20	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
26	D1 1	67.10	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
27	D1 1	67.00	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
28	D1 1	66.90	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
29	D1 1	66.80	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
30	D1 1	66.70	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
31	D1 1	66.60	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
32	D1 1	66.50	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
33	D1 1	66.40	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
34	D1 1	66.30	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
35	D1 1	66.20	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
36	D1 1	66.10	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
37	D1 1	66.00	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
38	D1 1	65.90	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
39	D1 1	65.80	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
40	D1 1	65.70	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
41	D1 1	65.60	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
42	D1 1	65.50	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
43	D1 1	65.40	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20

44	D1	1	65.30	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
45	D1	1	65.20	0.017	30.8	0.0	6.8	1.8	0.0	0.6	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	3.20
	TRIBUTARY # 046 (Braley Creek) ENTERS HERE																								
81	D2	3	65.10	0.036	30.8	0.0	5.0	4.9	0.0	1.1	0.8	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.15	2.23
82	D2	3	65.00	0.036	30.8	0.0	5.0	4.0	0.0	1.0	0.6	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.15	2.23
83	D2	3	64.90	0.036	30.8	0.0	5.3	3.4	0.0	1.0	0.5	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.15	2.23
84	D2	3	64.80	0.036	30.8	0.0	5.7	3.1	0.0	1.0	0.4	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
85	D2	3	64.70	0.036	30.8	0.0	6.0	2.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
86	D2	3	64.60	0.036	30.8	0.0	6.3	2.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
87	D2	3	64.50	0.036	30.8	0.0	6.5	2.6	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
88	D2	3	64.40	0.036	30.8	0.0	6.7	2.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
89	D2	3	64.30	0.036	30.8	0.0	6.8	2.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
90	D2	3	64.20	0.036	30.8	0.0	6.9	2.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
91	D2	3	64.10	0.036	30.8	0.0	7.0	2.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
92	D2	3	64.00	0.036	30.8	0.0	7.0	2.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
93	D2	3	63.90	0.036	30.8	0.0	7.0	2.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
94	D2	3	63.80	0.036	30.8	0.0	7.1	2.5	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
95	D2	3	63.70	0.036	30.8	0.0	7.1	2.5	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
96	D2	3	63.60	0.036	30.8	0.0	7.1	2.5	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
97	D2	3	63.50	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
98	D2	3	63.40	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
99	D2	3	63.30	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
100	D2	3	63.20	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
101	D2	3	63.10	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
102	D2	3	63.00	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
103	D2	3	62.90	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
104	D2	3	62.80	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
105	D2	3	62.70	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
106	D2	3	62.60	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
107	D2	3	62.50	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
108	D2	3	62.40	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
109	D2	3	62.30	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
110	D2	3	62.20	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
111	D2	3	62.10	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
112	D2	3	62.00	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
113	D2	3	61.90	0.036	30.8	0.0	7.1	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
114	D2	3	61.80	0.036	30.8	0.0	7.2	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
115	D2	3	61.70	0.036	30.8	0.0	7.2	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
116	D2	3	61.60	0.036	30.8	0.0	7.2	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
117	D2	3	61.50	0.036	30.8	0.0	7.2	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
118	D2	3	61.40	0.036	30.8	0.0	7.2	2.5	0.0	0.8	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
119	D2	3	61.30	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
120	D2	3	61.20	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
121	D2	3	61.10	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
122	D2	3	61.00	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
123	D2	3	60.90	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
124	D2	3	60.80	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
125	D2	3	60.70	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
126	D2	3	60.60	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
127	D2	3	60.50	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
128	D2	3	60.40	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
129	D2	3	60.30	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
130	D2	3	60.20	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
131	D2	3	60.10	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
132	D2	3	60.00	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
133	D2	3	59.90	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
134	D2	3	59.80	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
135	D2	3	59.70	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
136	D2	3	59.60	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
137	D2	3	59.50	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
138	D2	3	59.40	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
139	D2	3	59.30	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
140	D2	3	59.20	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
141	D2	3	59.10	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
142	D2	3	59.00	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
143	D2	3	58.90	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
144	D2	3	58.80	0.036	30.8	0.0	7.2	2.5	0.0	0.7	0.1	16.0	0.0	3.14	25.3	0.000	0.000	7.5	0.326	0.25	0.00	0.00	0.00	0.16	2.23
145	D3	4	58.70	0.036	30.8	0.0	7.2	3.2	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
146	D3	4	58.60	0.036	30.8	0.0	7.1	3.5	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
147	D3	4	58.50	0.036	30.8	0.0	7.1	3.6	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
148	D3	4	58.40	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
149	D3	4	58.30	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
150	D3	4	58.20	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
151	D3	4	58.10	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60

152	D3	4	58.00	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
153	D3	4	57.90	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
154	D3	4	57.80	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
155	D3	4	57.70	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
156	D3	4	57.60	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
157	D3	4	57.50	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
158	D3	4	57.40	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
159	D3	4	57.30	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
160	D3	4	57.20	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
161	D3	4	57.10	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
162	D3	4	57.00	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
163	D3	4	56.90	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
164	D3	4	56.80	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
165	D3	4	56.70	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
166	D3	4	56.60	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
167	D3	4	56.50	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
168	D3	4	56.40	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
169	D3	4	56.30	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
170	D3	4	56.20	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
171	D3	4	56.10	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
172	D3	4	56.00	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
173	D3	4	55.90	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
174	D3	4	55.80	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
175	D3	4	55.70	0.036	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
	WASTELOAD # 176 (Indian Creek) ENTERS HERE																								
176	D3	4	55.60	0.042	30.8	0.0	7.0	3.6	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
177	D3	4	55.50	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
178	D3	4	55.40	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
179	D3	4	55.30	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
180	D3	4	55.20	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
181	D3	4	55.10	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
182	D3	4	55.00	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
183	D3	4	54.90	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
184	D3	4	54.80	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
185	D3	4	54.70	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
186	D3	4	54.60	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
187	D3	4	54.50	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
188	D3	4	54.40	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
189	D3	4	54.30	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
190	D3	4	54.20	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
191	D3	4	54.10	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
192	D3	4	54.00	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
193	D3	4	53.90	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
194	D3	4	53.80	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
195	D3	4	53.70	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
196	D3	4	53.60	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
197	D3	4	53.50	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
198	D3	4	53.40	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
199	D3	4	53.30	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
200	D3	4	53.20	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
201	D3	4	53.10	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
202	D3	4	53.00	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
203	D3	4	52.90	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
204	D3	4	52.80	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
205	D3	4	52.70	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
206	D3	4	52.60	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
207	D3	4	52.50	0.042	30.8	0.0	7.0	3.7	0.0	0.7	0.1	16.0	0.0	3.14	65.2	0.000	0.000	7.5	0.377	0.25	0.00	0.00	0.00	0.16	1.60
208	D4	5	52.40	0.042	30.8	0.0	7.2	4.1	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
209	D4	5	52.30	0.042	30.8	0.0	7.2	4.3	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
210	D4	5	52.20	0.042	30.8	0.0	7.2	4.5	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
211	D4	5	52.10	0.042	30.8	0.0	7.1	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
212	D4	5	52.00	0.042	30.8	0.0	7.1	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
213	D4	5	51.90	0.042	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
214	D4	5	51.80	0.042	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
215	D4	5	51.70	0.042	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
216	D4	5	51.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
217	D4	5	51.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
218	D4	5	51.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
219	D4	5	51.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
220	D4	5	51.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
221	D4	5	51.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
222	D4	5	51.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
223	D4	5	50.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
224	D4	5	50.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79

225	D4	5	50.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
226	D4	5	50.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
227	D4	5	50.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
228	D4	5	50.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
229	D4	5	50.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
230	D4	5	50.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
231	D4	5	50.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
232	D4	5	50.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
233	D4	5	49.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
234	D4	5	49.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
235	D4	5	49.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
236	D4	5	49.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
237	D4	5	49.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
238	D4	5	49.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
239	D4	5	49.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
240	D4	5	49.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
241	D4	5	49.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
242	D4	5	49.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
243	D4	5	48.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
244	D4	5	48.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
245	D4	5	48.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
246	D4	5	48.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
247	D4	5	48.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
248	D4	5	48.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
249	D4	5	48.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
250	D4	5	48.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
251	D4	5	48.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
252	D4	5	48.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
253	D4	5	47.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
254	D4	5	47.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
255	D4	5	47.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
256	D4	5	47.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
257	D4	5	47.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
258	D4	5	47.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
259	D4	5	47.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
260	D4	5	47.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
261	D4	5	47.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
262	D4	5	47.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
263	D4	5	46.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
264	D4	5	46.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
265	D4	5	46.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
266	D4	5	46.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
267	D4	5	46.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
268	D4	5	46.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
269	D4	5	46.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
270	D4	5	46.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
271	D4	5	46.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
272	D4	5	46.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
273	D4	5	45.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
274	D4	5	45.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
275	D4	5	45.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
276	D4	5	45.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
277	D4	5	45.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
278	D4	5	45.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
279	D4	5	45.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
280	D4	5	45.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
281	D4	5	45.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
282	D4	5	45.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
283	D4	5	44.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
284	D4	5	44.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
285	D4	5	44.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
286	D4	5	44.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
287	D4	5	44.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
288	D4	5	44.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
289	D4	5	44.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
290	D4	5	44.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
291	D4	5	44.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
292	D4	5	44.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
293	D4	5	43.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
294	D4	5	43.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
295	D4	5	43.70	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
296	D4	5	43.60	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
297	D4	5	43.50	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
298	D4	5	43.40	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79

299	D4	5	43.30	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
300	D4	5	43.20	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
301	D4	5	43.10	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
302	D4	5	43.00	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
303	D4	5	42.90	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
304	D4	5	42.80	0.042	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
	WASTELOAD # 305 (Black Bayou) ENTERS HERE																									
305	D4	5	42.70	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
306	D4	5	42.60	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
307	D4	5	42.50	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
308	D4	5	42.40	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
309	D4	5	42.30	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
310	D4	5	42.20	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
311	D4	5	42.10	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
312	D4	5	42.00	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
313	D4	5	41.90	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
314	D4	5	41.80	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
315	D4	5	41.70	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
316	D4	5	41.60	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
317	D4	5	41.50	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
318	D4	5	41.40	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
319	D4	5	41.30	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
320	D4	5	41.20	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
321	D4	5	41.10	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
322	D4	5	41.00	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
323	D4	5	40.90	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
324	D4	5	40.80	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
325	D4	5	40.70	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
326	D4	5	40.60	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
327	D4	5	40.50	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
328	D4	5	40.40	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
329	D4	5	40.30	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
330	D4	5	40.20	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
331	D4	5	40.10	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
332	D4	5	40.00	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
333	D4	5	39.90	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
334	D4	5	39.80	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
335	D4	5	39.70	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
336	D4	5	39.60	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
337	D4	5	39.50	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
338	D4	5	39.40	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
339	D4	5	39.30	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
340	D4	5	39.20	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
341	D4	5	39.10	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
342	D4	5	39.00	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
343	D4	5	38.90	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
344	D4	5	38.80	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
345	D4	5	38.70	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
346	D4	5	38.60	0.050	30.8	0.0	7.0	4.7	0.0	0.7	0.1	16.0	0.0	3.14	36.0	0.000	0.000	7.5	0.346	0.25	0.00	0.00	0.00	0.16	0.79
347	D5	6	38.50	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
348	D5	6	38.40	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
349	D5	6	38.30	0.050	30.8	0.0	7.0	4.6	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
350	D5	6	38.20	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
351	D5	6	38.10	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
352	D5	6	38.00	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
353	D5	6	37.90	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
354	D5	6	37.80	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
355	D5	6	37.70	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
356	D5	6	37.60	0.050	30.8	0.0	7.0	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
357	D5	6	37.50	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
358	D5	6	37.40	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
359	D5	6	37.30	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
360	D5	6	37.20	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
361	D5	6	37.10	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
362	D5	6	37.00	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
363	D5	6	36.90	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
364	D5	6	36.80	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
365	D5	6	36.70	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
366	D5	6	36.60	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
367	D5	6	36.50	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
368	D5	6	36.40	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
369	D5	6	36.30	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
370	D5	6	36.20	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
371	D5	6	36.10	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79

372	D5	6	36.00	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
373	D5	6	35.90	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
374	D5	6	35.80	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
375	D5	6	35.70	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
376	D5	6	35.60	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
377	D5	6	35.50	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
378	D5	6	35.40	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
379	D5	6	35.30	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
380	D5	6	35.20	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
381	D5	6	35.10	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
382	D5	6	35.00	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
383	D5	6	34.90	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
384	D5	6	34.80	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
385	D5	6	34.70	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
386	D5	6	34.60	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
387	D5	6	34.50	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
388	D5	6	34.40	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
389	D5	6	34.30	0.050	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
	WASTELOAD # 390 (Flat Lick Bayou) ENTERS HERE																								
390	D5	6	34.20	0.061	30.8	0.0	7.1	4.3	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
391	D5	6	34.10	0.061	30.8	0.0	7.1	4.3	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
392	D5	6	34.00	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
393	D5	6	33.90	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
394	D5	6	33.80	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
395	D5	6	33.70	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
396	D5	6	33.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
397	D5	6	33.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
398	D5	6	33.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
399	D5	6	33.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
400	D5	6	33.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
401	D5 6	33.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
402	D5 6	33.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
403	D5 6	32.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
404	D5 6	32.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
405	D5 6	32.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
406	D5 6	32.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
407	D5 6	32.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
408	D5 6	32.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
409	D5 6	32.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
410	D5 6	32.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
411	D5 6	32.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
412	D5 6	32.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
413	D5 6	31.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
414	D5 6	31.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
415	D5 6	31.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
416	D5 6	31.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
417	D5 6	31.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
418	D5 6	31.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
419	D5 6	31.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
420	D5 6	31.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
421	D5 6	31.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
422	D5 6	31.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
423	D5 6	30.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
424	D5 6	30.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
425	D5 6	30.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
426	D5 6	30.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
427	D5 6	30.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
428	D5 6	30.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
429	D5 6	30.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
430	D5 6	30.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
431	D5 6	30.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
432	D5 6	30.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
433	D5 6	29.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
434	D5 6	29.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
435	D5 6	29.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
436	D5 6	29.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
437	D5 6	29.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
438	D5 6	29.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
439	D5 6	29.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
440	D5 6	29.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
441	D5 6	29.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
442	D5 6	29.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
443	D5 6	28.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
444	D5 6	28.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79

445	D5	6	28.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
446	D5	6	28.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
447	D5	6	28.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
448	D5	6	28.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
449	D5	6	28.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
450	D5	6	28.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
451	D5	6	28.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
452	D5	6	28.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
453	D5	6	27.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
454	D5	6	27.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
455	D5	6	27.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
456	D5	6	27.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
457	D5	6	27.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
458	D5	6	27.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
459	D5	6	27.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
460	D5	6	27.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
461	D5	6	27.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
462	D5	6	27.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
463	D5	6	26.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
464	D5	6	26.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
465	D5	6	26.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
466	D5	6	26.60	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
467	D5	6	26.50	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
468	D5	6	26.40	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
469	D5	6	26.30	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
470	D5	6	26.20	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
471	D5	6	26.10	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
472	D5	6	26.00	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
473	D5	6	25.90	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
474	D5	6	25.80	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
475	D5 6	25.70	0.061	30.8	0.0	7.1	4.5	0.0	0.7	0.1	16.0	0.0	3.08	20.4	0.001	0.001	7.5	0.321	0.25	0.00	0.00	0.00	0.16	0.79
476	D6 7	25.60	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
477	D6 7	25.50	0.061	30.8	0.0	7.1	4.4	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
478	D6 7	25.40	0.061	30.8	0.0	7.1	4.3	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
479	D6 7	25.30	0.061	30.8	0.0	7.1	4.3	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
480	D6 7	25.20	0.061	30.8	0.0	7.2	4.3	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
481	D6 7	25.10	0.061	30.8	0.0	7.2	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
482	D6 7	25.00	0.061	30.8	0.0	7.2	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
483	D6 7	24.90	0.061	30.8	0.0	7.2	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
484	D6 7	24.80	0.061	30.8	0.0	7.3	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
485	D6 7	24.70	0.061	30.8	0.0	7.3	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
486	D6 7	24.60	0.061	30.8	0.0	7.3	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
487	D6 7	24.50	0.061	30.8	0.0	7.3	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
488	D6 7	24.40	0.061	30.8	0.0	7.3	4.2	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
489	D6 7	24.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
490	D6 7	24.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
491	D6 7	24.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
492	D6 7	24.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
493	D6 7	23.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
494	D6 7	23.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
495	D6 7	23.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
496	D6 7	23.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
497	D6 7	23.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
498	D6 7	23.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
499	D6 7	23.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
500	D6 7	23.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
501	D6 7	23.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
502	D6 7	23.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
503	D6 7	22.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
504	D6 7	22.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
505	D6 7	22.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
506	D6 7	22.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
507	D6 7	22.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
508	D6 7	22.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
509	D6 7	22.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
510	D6 7	22.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
511	D6 7	22.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
512	D6 7	22.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
513	D6 7	21.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
514	D6 7	21.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
515	D6 7	21.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
516	D6 7	21.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
517	D6 7	21.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
518	D6 7	21.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79

519	D6	7	21.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
520	D6	7	21.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
521	D6	7	21.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
522	D6	7	21.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
523	D6	7	20.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
524	D6	7	20.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
525	D6	7	20.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
526	D6	7	20.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
527	D6	7	20.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
528	D6	7	20.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
529	D6	7	20.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
530	D6	7	20.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
531	D6	7	20.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
532	D6	7	20.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
533	D6	7	19.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
534	D6	7	19.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
535	D6	7	19.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
536	D6	7	19.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
537	D6	7	19.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
538	D6	7	19.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
539	D6	7	19.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
540	D6	7	19.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
541	D6	7	19.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
542	D6	7	19.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
543	D6	7	18.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
544	D6	7	18.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
545	D6	7	18.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
546	D6	7	18.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
547	D6	7	18.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
548	D6	7	18.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
549	D6	7	18.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
550	D6	7	18.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
551	D6	7	18.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
552	D6	7	18.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
553	D6	7	17.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
554	D6	7	17.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
555	D6	7	17.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
556	D6	7	17.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
557	D6	7	17.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
558	D6	7	17.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
559	D6	7	17.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
560	D6	7	17.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
561	D6	7	17.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
562	D6	7	17.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
563	D6	7	16.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
564	D6	7	16.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
565	D6	7	16.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
566	D6	7	16.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
567	D6	7	16.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
568	D6	7	16.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
569	D6	7	16.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
570	D6	7	16.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
571	D6	7	16.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
572	D6	7	16.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
573	D6	7	15.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
574	D6	7	15.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
575	D6	7	15.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
576	D6	7	15.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
577	D6	7	15.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
578	D6	7	15.40	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
579	D6	7	15.30	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
580	D6	7	15.20	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
581	D6	7	15.10	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
582	D6	7	15.00	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
583	D6	7	14.90	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
584	D6	7	14.80	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
585	D6	7	14.70	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
586	D6	7	14.60	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
587	D6	7	14.50	0.061	30.8	0.0	7.3	4.1	0.0	0.7	0.1	16.0	0.0	3.02	18.3	0.001	0.001	7.5	0.323	0.25	0.00	0.00	0.00	0.16	0.79
588	D7	8	14.40	0.061	30.8	0.0	7.2	3.9	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
589	D7	8	14.30	0.061	30.8	0.0	7.2	3.8	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
590	D7	8	14.20	0.061	30.8	0.0	7.3	3.7	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
591	D7	8	14.10	0.061	30.8	0.0	7.3	3.6	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
592	D7	8	14.00	0.061	30.8	0.0	7.3	3.6	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16

593	D7	8	13.90	0.061	30.8	0.0	7.3	3.6	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
594	D7	8	13.80	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
595	D7	8	13.70	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
596	D7	8	13.60	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
597	D7	8	13.50	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
598	D7	8	13.40	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
599	D7	8	13.30	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
600	D7	8	13.20	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
601	D7	8	13.10	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
602	D7	8	13.00	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
603	D7	8	12.90	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
604	D7	8	12.80	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
605	D7	8	12.70	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
606	D7	8	12.60	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
607	D7	8	12.50	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
608	D7	8	12.40	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
609	D7	8	12.30	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
610	D7	8	12.20	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
611	D7	8	12.10	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
612	D7	8	12.00	0.061	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
	WASTELOAD # 613 (PS: Dixie Inn) ENTERS HERE																								
613	D7	8	11.90	0.065	30.8	0.0	7.0	4.3	0.0	0.7	0.3	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
614	D7	8	11.80	0.065	30.8	0.0	6.9	4.1	0.0	0.7	0.2	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
615	D7	8	11.70	0.065	30.8	0.0	6.9	3.9	0.0	0.7	0.2	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
616	D7	8	11.60	0.065	30.8	0.0	7.0	3.8	0.0	0.7	0.2	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
617	D7	8	11.50	0.065	30.8	0.0	7.1	3.7	0.0	0.7	0.2	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
618	D7	8	11.40	0.065	30.8	0.0	7.1	3.6	0.0	0.7	0.2	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
619	D7	8	11.30	0.065	30.8	0.0	7.2	3.6	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
620	D7	8	11.20	0.065	30.8	0.0	7.2	3.6	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
621	D7	8	11.10	0.065	30.8	0.0	7.3	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
622	D7 8	11.00	0.065	30.8	0.0	7.3	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
623	D7 8	10.90	0.065	30.8	0.0	7.3	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
624	D7 8	10.80	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
625	D7 8	10.70	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
626	D7 8	10.60	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
627	D7 8	10.50	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
628	D7 8	10.40	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
629	D7 8	10.30	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
630	D7 8	10.20	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
631	D7 8	10.10	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
632	D7 8	10.00	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
633	D7 8	9.90	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
634	D7 8	9.80	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
635	D7 8	9.70	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
636	D7 8	9.60	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
637	D7 8	9.50	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
638	D7 8	9.40	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
639	D7 8	9.30	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
640	D7 8	9.20	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
641	D7 8	9.10	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
642	D7 8	9.00	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
643	D7 8	8.90	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
644	D7 8	8.80	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
645	D7 8	8.70	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
646	D7 8	8.60	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
647	D7 8	8.50	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
648	D7 8	8.40	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
649	D7 8	8.30	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
650	D7 8	8.20	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
651	D7 8	8.10	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
652	D7 8	8.00	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
653	D7 8	7.90	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
654	D7 8	7.80	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
655	D7 8	7.70	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
656	D7 8	7.60	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
657	D7 8	7.50	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
658	D7 8	7.40	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
659	D7 8	7.30	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
660	D7 8	7.20	0.065	30.8	0.0	7.4	3.5	0.0	0.7	0.1	16.0	0.0	2.96	33.8	0.001	0.001	7.5	0.363	0.25	0.00	0.00	0.00	0.16	1.16
	TRIBUTARY # 661 (Mile Creek) ENTERS HERE																							
703	D8 13	7.10	0.202	30.8	0.0	6.4	3.8	0.0	0.6	0.5	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
704	D8 13	7.00	0.202	30.8	0.0	6.6	3.7	0.0	0.6	0.4	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
705	D8 13	6.90	0.202	30.8	0.0	6.7	3.6	0.0	0.6	0.4	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
706	D8 13	6.80	0.202	30.8	0.0	6.9	3.5	0.0	0.6	0.3	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79

707	D8	13	6.70	0.202	30.8	0.0	7.0	3.5	0.0	0.6	0.3	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
708	D8	13	6.60	0.202	30.8	0.0	7.1	3.4	0.0	0.6	0.3	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
709	D8	13	6.50	0.202	30.8	0.0	7.2	3.4	0.0	0.6	0.3	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
710	D8	13	6.40	0.202	30.8	0.0	7.3	3.4	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
711	D8	13	6.30	0.202	30.8	0.0	7.4	3.4	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
712	D8	13	6.20	0.202	30.8	0.0	7.4	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
713	D8	13	6.10	0.202	30.8	0.0	7.5	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.16	0.79
714	D8	13	6.00	0.202	30.8	0.0	7.6	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
715	D8	13	5.90	0.202	30.8	0.0	7.6	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
716	D8	13	5.80	0.202	30.8	0.0	7.6	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
717	D8	13	5.70	0.202	30.8	0.0	7.7	3.3	0.0	0.6	0.2	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
718	D8	13	5.60	0.202	30.8	0.0	7.7	3.3	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
719	D8	13	5.50	0.202	30.8	0.0	7.7	3.3	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
720	D8	13	5.40	0.202	30.8	0.0	7.8	3.3	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
721	D8	13	5.30	0.202	30.8	0.0	7.8	3.3	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
722	D8	13	5.20	0.202	30.8	0.0	7.8	3.3	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
723	D8	13	5.10	0.202	30.8	0.0	7.8	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
724	D8	13	5.00	0.202	30.8	0.0	7.8	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
725	D8	13	4.90	0.202	30.8	0.0	7.8	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
726	D8	13	4.80	0.202	30.8	0.0	7.8	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
727	D8	13	4.70	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
728	D8	13	4.60	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
729	D8	13	4.50	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
730	D8	13	4.40	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
731	D8	13	4.30	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
732	D8	13	4.20	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
733	D8	13	4.10	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
734	D8	13	4.00	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
735	D8	13	3.90	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
736	D8	13	3.80	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
737	D8 13	3.70	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
738	D8 13	3.60	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
739	D8 13	3.50	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
740	D8 13	3.40	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
741	D8 13	3.30	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
742	D8 13	3.20	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
743	D8 13	3.10	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
744	D8 13	3.00	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
745	D8 13	2.90	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
746	D8 13	2.80	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
747	D8 13	2.70	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
748	D8 13	2.60	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
749	D8 13	2.50	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
750	D8 13	2.40	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
751	D8 13	2.30	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
752	D8 13	2.20	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
753	D8 13	2.10	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
754	D8 13	2.00	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
755	D8 13	1.90	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
756	D8 13	1.80	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
757	D8 13	1.70	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
758	D8 13	1.60	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
759	D8 13	1.50	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
760	D8 13	1.40	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
761	D8 13	1.30	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
762	D8 13	1.20	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
763	D8 13	1.10	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
764	D8 13	1.00	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
765	D8 13	0.90	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
766	D8 13	0.80	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
767	D8 13	0.70	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
768	D8 13	0.60	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
769	D8 13	0.50	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
770	D8 13	0.40	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
771	D8 13	0.30	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
772	D8 13	0.20	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
773	D8 13	0.10	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79
774	D8 13	0.00	0.202	30.8	0.0	7.9	3.2	0.0	0.6	0.1	16.0	0.0	2.96	50.3	0.001	0.001	7.5	0.400	0.25	0.00	0.00	0.00	0.17	0.79

EXPANDED CAPSULE SUMMARY FOR Braley Creek

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
	WASTELOAD # 046 (PS: Cullen WWTP) ENTERS HERE																							
46	B1 2	3.40	0.019	30.8	0.0	5.0	20.0	0.0	1.7	3.1	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.859	0.25	0.00	0.00	0.00	0.15	0.79
47	B1 2	3.30	0.019	30.8	0.0	4.8	19.6	0.0	1.6	3.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.859	0.25	0.00	0.00	0.00	0.15	0.79
48	B1 2	3.20	0.019	30.8	0.0	4.6	19.2	0.0	1.6	3.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.859	0.25	0.00	0.00	0.00	0.15	0.79
49	B1 2	3.10	0.019	30.8	0.0	4.5	18.8	0.0	1.6	3.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.859	0.25	0.00	0.00	0.00	0.15	0.79
50	B1 2	3.00	0.019	30.8	0.0	4.4	18.4	0.0	1.6	2.9	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.859	0.25	0.00	0.00	0.00	0.15	0.79
	WASTELOAD # 051 (Braley Creek Trib) ENTERS HERE																							
51	B1 2	2.90	0.019	30.8	0.0	4.4	17.9	0.0	1.6	2.8	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
52	B1 2	2.80	0.019	30.8	0.0	4.3	17.6	0.0	1.6	2.8	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
53	B1 2	2.70	0.019	30.8	0.0	4.3	17.2	0.0	1.6	2.8	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
54	B1 2	2.60	0.019	30.8	0.0	4.3	16.9	0.0	1.6	2.7	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
55	B1 2	2.50	0.019	30.8	0.0	4.3	16.5	0.0	1.6	2.7	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
56	B1 2	2.40	0.019	30.8	0.0	4.3	16.2	0.0	1.6	2.7	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
57	B1 2	2.30	0.019	30.8	0.0	4.3	15.9	0.0	1.6	2.6	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
58	B1 2	2.20	0.019	30.8	0.0	4.3	15.6	0.0	1.6	2.6	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
59	B1 2	2.10	0.019	30.8	0.0	4.3	15.3	0.0	1.6	2.6	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
60	B1 2	2.00	0.019	30.8	0.0	4.4	15.0	0.0	1.6	2.5	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
61	B1 2	1.90	0.019	30.8	0.0	4.4	14.7	0.0	1.6	2.5	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
62	B1 2	1.80	0.019	30.8	0.0	4.4	14.4	0.0	1.6	2.5	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
63	B1 2	1.70	0.019	30.8	0.0	4.5	14.1	0.0	1.6	2.4	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
64	B1 2	1.60	0.019	30.8	0.0	4.5	13.9	0.0	1.6	2.4	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
65	B1 2	1.50	0.019	30.8	0.0	4.6	13.6	0.0	1.6	2.4	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
66	B1 2	1.40	0.019	30.8	0.0	4.6	13.4	0.0	1.6	2.3	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
67	B1 2	1.30	0.019	30.8	0.0	4.6	13.1	0.0	1.6	2.3	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
68	B1 2	1.20	0.019	30.8	0.0	4.7	12.9	0.0	1.6	2.3	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
69	B1 2	1.10	0.019	30.8	0.0	4.7	12.6	0.0	1.5	2.2	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
70	B1 2	1.00	0.019	30.8	0.0	4.8	12.4	0.0	1.5	2.2	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
71	B1 2	0.90	0.019	30.8	0.0	4.8	12.2	0.0	1.5	2.2	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
72	B1 2	0.80	0.019	30.8	0.0	4.8	12.0	0.0	1.5	2.1	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
73	B1 2	0.70	0.019	30.8	0.0	4.9	11.8	0.0	1.5	2.1	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
74	B1 2	0.60	0.019	30.8	0.0	4.9	11.6	0.0	1.5	2.1	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
75	B1 2	0.50	0.019	30.8	0.0	5.0	11.4	0.0	1.5	2.1	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
76	B1 2	0.40	0.019	30.8	0.0	5.0	11.2	0.0	1.5	2.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
77	B1 2	0.30	0.019	30.8	0.0	5.0	11.0	0.0	1.5	2.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
78	B1 2	0.20	0.019	30.8	0.0	5.1	10.8	0.0	1.5	2.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
79	B1 2	0.10	0.019	30.8	0.0	5.1	10.6	0.0	1.5	2.0	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79
80	B1 2	0.00	0.019	30.8	0.0	5.1	10.4	0.0	1.5	1.9	16.0	0.0	0.54	3.2	0.011	0.011	7.5	1.862	0.25	0.00	0.00	0.00	0.15	0.79

EXPANDED CAPSULE SUMMARY FOR Mile Creek

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
	WASTELOAD # 661 (PS: Minden WWTP) ENTERS HERE																							
661	M1 9	4.10	0.137	30.8	0.0	5.2	11.4	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.15	0.79
662	M1 9	4.00	0.137	30.8	0.0	5.4	11.3	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.15	0.79
663	M1 9	3.90	0.137	30.8	0.0	5.6	11.3	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.16	0.79
664	M1 9	3.80	0.137	30.8	0.0	5.8	11.3	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.16	0.79
665	M1 9	3.70	0.137	30.8	0.0	5.9	11.2	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.16	0.79
666	M1 9	3.60	0.137	30.8	0.0	6.0	11.2	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.16	0.79
667	M1 9	3.50	0.137	30.8	0.0	6.1	11.2	0.0	0.7	1.3	16.0	0.0	0.23	5.4	0.110	0.110	7.5	11.881	0.25	0.00	0.00	0.00	0.16	0.79
668	M2 10	3.40	0.137	30.8	0.0	6.2	11.1	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
669	M2 10	3.30	0.137	30.8	0.0	6.2	11.1	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
670	M2 10	3.20	0.137	30.8	0.0	6.2	11.0	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
671	M2 10	3.10	0.137	30.8	0.0	6.3	11.0	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
672	M2 10	3.00	0.137	30.8	0.0	6.3	10.9	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
673	M2 10	2.90	0.137	30.8	0.0	6.3	10.9	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
674	M2 10	2.80	0.137	30.8	0.0	6.3	10.8	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
675	M2 10	2.70	0.137	30.8	0.0	6.4	10.8	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
676	M2 10	2.60	0.137	30.8	0.0	6.4	10.7	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
677	M2 10	2.50	0.137	30.8	0.0	6.4	10.7	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
678	M2 10	2.40	0.137	30.8	0.0	6.4	10.6	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
679	M2 10	2.30	0.137	30.8	0.0	6.4	10.6	0.0	0.7	1.3	16.0	0.0	0.37	5.8	0.064	0.064	7.5	5.212	0.25	0.00	0.00	0.00	0.16	0.79
680	M3 11	2.20	0.137	30.8	0.0	6.3	10.4	0.0	0.7	1.2	16.0	0.0	0.58	15.5	0.015	0.015	7.5	1.854	0.25	0.00	0.00	0.00	0.16	0.79
681	M3 11	2.10	0.137	30.8	0.0	6.3	10.2	0.0	0.7	1.2	16.0	0.0	0.58	15.5	0.015	0.015	7.5	1.854	0.25	0.00	0.00	0.00	0.16	0.79
682	M3 11	2.00	0.137	30.8	0.0	6.2	10.0	0.0	0.7	1.2	16.0	0.0	0.58	15.5	0.015	0.015	7.5	1.854	0.25	0.00	0.00	0.00	0.16	0.79
683	M3 11	1.90	0.137	30.8	0.0	6.1	9.8	0.0	0.7	1.2	16.0	0.0	0.58	15.5	0.015	0.015	7.5	1.854	0.25	0.00	0.00	0.00	0.16	0.79
684	M3 11	1.80	0.137	30.8	0.0	6.1	9.7	0.0	0.7	1.2	16.0	0.0	0.58	15.5	0.015	0.015	7.5	1.854	0.25	0.00	0.00	0.00	0.16	0.79
685	M4 12	1.70	0.137	30.8	0.0	5.8	9.2	0.0	0.7	1.2	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
686	M4 12	1.60	0.137	30.8	0.0	5.6	8.8	0.0	0.7	1.1	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
687	M4 12	1.50	0.137	30.8	0.0	5.5	8.4	0.0	0.6	1.1	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
688	M4 12	1.40	0.137	30.8	0.0	5.3	8.0	0.0	0.6	1.1	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
689	M4 12	1.30	0.137	30.8	0.0	5.3	7.6	0.0	0.6	1.0	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
690	M4 12	1.20	0.137	30.8	0.0	5.2	7.2	0.0	0.6	1.0	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
691	M4 12	1.10	0.137	30.8	0.0	5.2	6.9	0.0	0.6	1.0	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
692	M4 12	1.00	0.137	30.8	0.0	5.2	6.6	0.0	0.6	0.9	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
693	M4 12	0.90	0.137	30.8	0.0	5.2	6.2	0.0	0.6	0.9	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
694	M4 12	0.80	0.137	30.8	0.0	5.2	5.9	0.0	0.6	0.9	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
695	M4 12	0.70	0.137	30.8	0.0	5.3	5.7	0.0	0.6	0.9	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
696	M4 12	0.60	0.137	30.8	0.0	5.3	5.4	0.0	0.6	0.9	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
697	M4 12	0.50	0.137	30.8	0.0	5.4	5.1	0.0	0.6	0.8	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
698	M4 12	0.40	0.137	30.8	0.0	5.4	4.9	0.0	0.6	0.8	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.15	0.79
699	M4 12	0.30	0.137	30.8	0.0	5.5	4.7	0.0	0.6	0.8	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
700	M4 12	0.20	0.137	30.8	0.0	5.6	4.4	0.0	0.6	0.8	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
701	M4 12	0.10	0.137	30.8	0.0	5.6	4.2	0.0	0.6	0.7	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79
702	M4 12	0.00	0.137	30.8	0.0	5.7	4.0	0.0	0.6	0.7	16.0	0.0	1.43	16.7	0.006	0.006	7.5	0.636	0.25	0.00	0.00	0.00	0.16	0.79

STREAM SUMMARY
Bayou Dorcheat

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

TRAVEL TIME	=	1677.67 DAYS			
MAXIMUM EFFLUENT	=	88.83 PERCENT			
FLOW	=	0.01700	TO	0.20230	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00018	TO	0.00136	m/s
DEPTH	=	2.96	TO	3.14	m
WIDTH	=	18.29	TO	65.22	m
BOD DECAY	=	0.25	TO	0.25	per day
NH3 DECAY	=	0.15	TO	0.17	per day
SOD	=	0.79	TO	3.20	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.32	TO	0.40	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	=	30.80	TO	30.80	deg C
DISSOLVED OXYGEN	=	5.02	TO	7.91	mg/L

STREAM SUMMARY
Braley Creek

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

TRAVEL TIME	=	3.61 DAYS			
MAXIMUM EFFLUENT	=	85.49 PERCENT			
FLOW	=	0.01910	TO	0.01930	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.01112	TO	0.01124	m/s
DEPTH	=	0.54	TO	0.54	m
WIDTH	=	3.18	TO	3.18	m
BOD DECAY	=	0.25	TO	0.25	per day
NH3 DECAY	=	0.15	TO	0.15	per day
SOD	=	0.79	TO	0.79	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	1.86	TO	1.86	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	=	30.80	TO	30.80	deg C

DISSOLVED OXYGEN = 4.28 TO 5.13 mg/L

STREAM SUMMARY
Mile Creek

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

TRAVEL TIME = 4.30 DAYS

MAXIMUM EFFLUENT = 97.95 PERCENT

FLOW	=	0.13680	TO	0.13680	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00574	TO	0.11035	m/s
DEPTH	=	0.23	TO	1.43	m
WIDTH	=	5.39	TO	16.67	m
BOD DECAY	=	0.25	TO	0.25	per day
NH3 DECAY	=	0.15	TO	0.16	per day
SOD	=	0.79	TO	0.79	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.64	TO	11.88	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	=	30.80	TO	30.80	deg C
DISSOLVED OXYGEN	=	5.18	TO	6.45	mg/L

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

REACH SUMMARY REPORT FOR Bayou Dorcheat

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 Dorcheat	69.70	65.20	4.50	243.39	0.01700	0.00021	3.140	25.30	0.600	0.001	10.302	83.01
3	Bayou Dorcheat	65.20	58.80	6.40	162.11	0.03630	0.00046	3.140	25.30	1.282	0.001	10.302	83.01
4	Bayou Dorcheat	58.80	52.50	6.30	384.75	0.04160	0.00019	3.140	65.22	1.469	0.001	10.302	213.99
5	Bayou Dorcheat	52.50	38.60	13.90	413.42	0.05050	0.00039	3.140	35.96	1.783	0.001	10.302	117.98
6	Bayou Dorcheat	38.60	25.70	12.90	163.94	0.06140	0.00091	3.080	20.42	2.168	0.003	10.105	67.00
7	Bayou Dorcheat	25.70	14.50	11.20	116.62	0.06140	0.00111	3.020	18.29	2.168	0.004	9.909	60.01
8	Bayou Dorcheat	14.50	7.20	7.30	132.12	0.06550	0.00064	2.960	33.83	2.313	0.002	9.712	111.00
13	Bayou Dorcheat	7.20	0.00	7.20	61.32	0.20230	0.00136	2.960	50.29	7.143	0.004	9.712	165.00

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

REACH SUMMARY REPORT FOR Braley Creek

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
2	Braley Creek	3.50	0.00	3.50	3.61	0.01930	0.01122	0.540	3.18	0.681	0.037	1.772	10.43

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

REACH SUMMARY REPORT FOR Mile Creek

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVERAGE VELO fps	AVG DEPTH ft	AVG WIDTH ft
9	Mile Creek	4.20	3.50	0.70	0.07	0.13680	0.11035	0.230	5.39	4.830	0.362	0.755	17.68
10	Mile Creek	3.50	2.30	1.20	0.22	0.13680	0.06419	0.370	5.76	4.830	0.211	1.214	18.90
11	Mile Creek	2.30	1.80	0.50	0.38	0.13680	0.01524	0.580	15.48	4.830	0.050	1.903	50.79
12	Mile Creek	1.80	0.00	1.80	3.63	0.13680	0.00574	1.430	16.67	4.830	0.019	4.692	54.69

LA-QUAL Model for Bayou Dorcheat
Summer Projection-Minden limits reduced

INPUT/OUTPUT LOADING SUMMARY

	FLOW m^3/s	DO kg/d	BOD#1 kg/d	BOD#2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	PHOS kg/d	CHL A	NCM
HEADWATER FLOW	0.023	13.1	5.6	0.0	1.2	0.2	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCREMENTAL OUTFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WASTELOADS	0.180	81.4	180.4	0.0	12.5	21.9	0.0	0.0	0.0	0.0
WITHDRAWLS	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-0.202	-138.2	-56.6	0.0	-11.2	-1.7	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DISPERSION THRU HDWTR BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-POINT INPUT		0.0	6463.0	0.0	116.6					0.0
NATURAL REAERATION		791.7								
DAM REAERATION		0.0								
BACKGROUND SOD		-2767.4								
BOD#1 DECAY		-6592.5	-6592.5							
BOD#1 SETTLING		0.0	0.0							
ANAEROBIC BOD#1 DECAY			0.0							
BOD#2 DECAY		0.0		0.0						
BOD#2 SETTLING		0.0		0.0						
ANAEROBIC BOD#2 DECAY				0.0						
ORG-N DECAY		0.0			-119.2	119.2				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-605.1				-139.8	139.8			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		9216.3				0.0	-460.8	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		0.0								0.0
NCM SETTLING		0.0								0.0
TOTAL INPUTS	0.202	10102.4	6649.1	0.0	130.4	141.3	139.8	0.0	0.0	0.0
TOTAL OUTPUTS	-0.202	-10103.2	-6649.1	0.0	-130.4	-141.4	-460.8	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-0.8	0.0	0.0	0.0	-0.1	-321.1	0.0	0.0	0.0

```
.....EXECUTION COMPLETED
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LA-QUAL Version 8.11
Louisiana Department of Environmental Quality

Input file is D:\laqual\revDorcheat_ProjWinter-crl2.txt
Output produced at 14:54 on 02/26/2008

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Bayou Dorcheat
TITLE02         Winter Projection Run
CNTROL03   NO   SEQU                        <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                        <Warning: legacy control - line ignored>
ENDATA01

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

CARD TYPE       MODEL OPTION

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

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =        2.00000 (widths and depths)
PROGRAM         MAXIMUM ITERATION LIMIT            =      999.00000
PROGRAM         N INHIBITION EQUATION              =        1.00000 (two-step)
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

THETA        NH3 DECA       1.07000
```

ENDATA04

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA05

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA06

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

CARD TYPE DESCRIPTION OF CONSTANT VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	D1	Bayou Dorcheat	69.70	TO	65.20	0.1000	4.50	45	1	45
REACH ID	2	B1	Braley Creek	3.50	TO	0.00	0.1000	3.50	35	46	80
REACH ID	3	D2	Bayou Dorcheat	65.20	TO	58.80	0.1000	6.40	64	81	144
REACH ID	4	D3	Bayou Dorcheat	58.80	TO	52.50	0.1000	6.30	63	145	207
REACH ID	5	D4	Bayou Dorcheat	52.50	TO	38.60	0.1000	13.90	139	208	346
REACH ID	6	D5	Bayou Dorcheat	38.60	TO	25.70	0.1000	12.90	129	347	475
REACH ID	7	D6	Bayou Dorcheat	25.70	TO	14.50	0.1000	11.20	112	476	587
REACH ID	8	D7	Bayou Dorcheat	14.50	TO	7.20	0.1000	7.30	73	588	660
REACH ID	9	M1	Ten Mile Creek	4.20	TO	3.50	0.1000	0.70	7	661	667
REACH ID	10	M2	Ten Mile Creek	3.50	TO	2.30	0.1000	1.20	12	668	679
REACH ID	11	M3	Ten Mile Creek	2.30	TO	1.80	0.1000	0.50	5	680	684
REACH ID	12	M4	Ten Mile Creek	1.80	TO	0.00	0.1000	1.80	18	685	702
REACH ID	13	D8	Bayou Dorcheat	7.20	TO	0.00	0.1000	7.20	72	703	774

ENDATA08

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

CARD TYPE	REACH	ID	WIDTH "A"	WIDTH "B"	WIDTH "C"	DEPTH "D"	DEPTH "E"	DEPTH "F"	SLOPE	MANNINGS "N"
HYDR-1	1	D1	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	2	B1	0.000	0.000	3.180	0.000	0.000	0.540	0.00000	0.000
HYDR-1	3	D2	0.000	0.000	25.300	0.000	0.000	3.140	0.00000	0.000
HYDR-1	4	D3	0.000	0.000	65.220	0.000	0.000	3.140	0.00000	0.000

HYDR-1	5	D4	0.000	0.000	35.960	0.000	0.000	3.140	0.00000	0.000
HYDR-1	6	D5	0.000	0.000	20.420	0.000	0.000	3.080	0.00000	0.000
HYDR-1	7	D6	0.000	0.000	18.290	0.000	0.000	3.020	0.00000	0.000
HYDR-1	8	D7	0.000	0.000	33.830	0.000	0.000	2.960	0.00000	0.000
HYDR-1	9	M1	0.000	0.000	5.390	0.000	0.000	0.230	0.00000	0.000
HYDR-1	10	M2	0.000	0.000	5.760	0.000	0.000	0.370	0.00000	0.000
HYDR-1	11	M3	0.000	0.000	15.480	0.000	0.000	0.580	0.00000	0.000
HYDR-1	12	M4	0.000	0.000	16.670	0.000	0.000	1.430	0.00000	0.000
HYDR-1	13	D8	0.000	0.000	50.290	0.000	0.000	2.960	0.00000	0.000

ENDATA09

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

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

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	D1	19.60	0.00	1.80	0.19	0.00	0.00	16.00	0.00
INITIAL	2	B1	19.60	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	3	D2	19.60	0.00	1.97	0.19	0.00	0.00	16.00	0.00
INITIAL	4	D3	19.60	0.00	2.13	0.19	0.00	0.00	16.00	0.00
INITIAL	5	D4	19.60	0.00	2.30	0.19	0.00	0.00	16.00	0.00
INITIAL	6	D5	19.60	0.00	2.47	0.19	0.00	0.00	16.00	0.00
INITIAL	7	D6	19.60	0.00	2.63	0.19	0.00	0.00	16.00	0.00
INITIAL	8	D7	19.60	0.00	2.80	0.19	0.00	0.00	16.00	0.00
INITIAL	9	M1	19.60	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	10	M2	19.60	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	11	M3	19.60	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	12	M4	19.60	0.00	5.36	0.19	0.00	0.00	16.00	0.00
INITIAL	13	D8	19.60	0.00	5.10	0.19	0.00	0.00	16.00	0.00

ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$

CARD TYPE	RCH NUM	RCH ID	K2 OPT	K2 "A"	K2 "B"	K2 "C"	BKGRND SOD g/m²/d	BOD DECAY per day	BOD SETT m/d	BOD CONV TO SOD	ANAER BOD2 DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEFF-1	1	D1	20 K2=a/D	0.840	0.000	0.000	2.380	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	2	B1	15 LOUISIANA	0.000	0.000	0.000	0.330	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	3	D2	20 K2=a/D	0.840	0.000	0.000	1.650	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	4	D3	20 K2=a/D	0.970	0.000	0.000	1.190	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	5	D4	20 K2=a/D	0.890	0.000	0.000	0.430	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEFF-1	6	D5	20 K2=a/D	0.810	0.000	0.000	0.330	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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COEFF-1    7   D6  20 K2=a/D          0.800     0.000     0.000     0.330     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1    8   D7  20 K2=a/D          0.880     0.000     0.000     0.860     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1    9   M1  15 LOUISIANA       0.000     0.000     0.000     0.260     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   10   M2  15 LOUISIANA       0.000     0.000     0.000     0.260     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   11   M3  15 LOUISIANA       0.000     0.000     0.000     0.260     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   12   M4  15 LOUISIANA       0.000     0.000     0.000     0.260     0.150     0.000     0.000     0.000     0.000     0.000     0.000     0.000
COEFF-1   13   D8  20 K2=a/D          0.970     0.000     0.000     0.330     0.150     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   D1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          2   B1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          3   D2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          4   D3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          5   D4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          6   D5       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          7   D6       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          8   D7       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2          9   M1       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         10   M2       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         11   M3       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         12   M4       0.020     0.000     1.000       0.080     0.000     0.000     0.000
COEFF-2         13   D8       0.020     0.000     1.000       0.080     0.000     0.000     0.000
ENDATA13

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

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

ENDATA14

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

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

ENDATA15

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

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

ENDATA16
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$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE	REACH	ID	DO	BOD	ORG-N	NH3-N	NO3-N	BOD#2

ENDATA17

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

CARD TYPE	REACH	ID	PHOS	CHL A	COLI	NCM

ENDATA18

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

CARD TYPE	REACH	ID	BOD#1	ORG-N	COLI	NCM	DO	BOD#2
NONPOINT	1	D1	231.00	7.90	0.00	0.00	0.00	0.00
NONPOINT	2	B1	7.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	D2	462.00	13.20	0.00	0.00	0.00	0.00
NONPOINT	4	D3	1716.00	33.00	0.00	0.00	0.00	0.00
NONPOINT	5	D4	2640.00	39.60	0.00	0.00	0.00	0.00
NONPOINT	6	D5	1320.00	19.80	0.00	0.00	0.00	0.00
NONPOINT	7	D6	924.00	15.20	0.00	0.00	0.00	0.00
NONPOINT	8	D7	924.00	17.20	0.00	0.00	0.00	0.00
NONPOINT	9	M1	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	M2	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	11	M3	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	12	M4	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	13	D8	1254.00	25.10	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 m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I	CM-II	
HDWTR-1	1	Bayou Dorcheat	0	0.40000	14.124	19.60	0.00	0.000	0.000	0.00
HDWTR-1	46	Braley Creek	0	0.02800	0.989	19.60	0.00	0.000	0.000	0.00
HDWTR-1	661	Ten Mile Creek	0	0.02800	0.989	19.60	0.00	0.000	0.000	0.00

ENDATA20

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD#1 mg/L	ORG-N mg/L	NH3-N mg/L	NO3-N mg/L	BOD#2 mg/L
HDWTR-2	1	Bayou Dorcheat	8.25	2.92	0.92	0.13	0.00	0.00
HDWTR-2	46	Braley Creek	8.25	8.25	0.94	0.13	0.00	0.00
HDWTR-2	661	Ten Mile Creek	8.25	8.25	0.94	0.13	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	81	45	65.20	Braley Creek and Bayou Dorcheat
JUNCTION	703	660	7.20	Ten Mile Creek and Bayou Dorcheat

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW	FLOW	FLOW	TEMP	SALIN	CM-I	CM-II
				m^3/s	cfs	MGD	deg C	ppt		
WSTLD-1	46	3.50	PS: Cullen WWTP	0.01630	0.57556	0.372	19.60	0.00	0.000	0.000
WSTLD-1	51	3.00	Braley Creek Trib	0.00020	0.00706	0.005	19.60	0.00	0.000	0.000
WSTLD-1	176	55.70	Indian Creek	0.00530	0.18715	0.121	19.60	0.00	0.000	0.000
WSTLD-1	305	42.80	Black Bayou	0.00890	0.31427	0.203	19.60	0.00	0.000	0.000
WSTLD-1	390	34.30	Flat Lick Bayou	0.01090	0.38489	0.249	19.60	0.00	0.000	0.000
WSTLD-1	613	12.00	PS: Dixie Inn	0.00410	0.14477	0.094	19.60	0.00	0.000	0.000
WSTLD-1	661	4.20	PS: Minden WWTP	0.13400	4.73164	3.059	19.60	0.00	0.000	0.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO	BOD	% 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	46	PS: Cullen WWTP	5.00	23.00	0.00	1.83	3.65	0.00	0.00	0.00
WSTLD-2	51	Braley Creek Trib	8.25	8.25	0.00	0.94	0.13	0.00	0.00	0.00
WSTLD-2	176	Indian Creek	8.25	4.49	0.00	1.09	0.13	0.00	0.00	0.00
WSTLD-2	305	Black Bayou	8.25	4.49	0.00	1.09	0.13	0.00	0.00	0.00
WSTLD-2	390	Flat Lick Bayou	8.25	4.49	0.00	1.09	0.13	0.00	0.00	0.00
WSTLD-2	613	PS: Dixie Inn	5.00	23.00	0.00	1.67	3.33	0.00	0.00	0.00
WSTLD-2	661	PS: Minden WWTP	5.00	23.00	0.00	1.67	3.33	0.00	0.00	0.00

ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, CHLOROPHYLL, COLIFORM, AND NONCONSERVATIVES) $$$

CARD TYPE	ELEMENT	NAME	PHOS	CHL A	COLI	NCM

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

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


OVERLAY 1 Dor-proj.OVL                    :Bayou Dorcheat (Rch 1;3-8;13); State Line to Lake Bistine
OVERLAY 2 Braley.OVL                      :Braley Creek (Rch 2); US of Cullen STP to Bayou Dorcheat
OVERLAY 3 TenMile.OVL                     :Ten Mile Creek (Rch 9-12); US Minden STP to Bayou Dorchea
ENDATA31



     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN  13 ITERATIONS
     .....CONSTITUENT CALCULATIONS COMPLETED
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***** 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
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EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
		HDWTR	0.400	19.6	0.0	8.2	2.9	0.0	0.9	0.1	16.0													
1	D1 1	69.60	0.400	19.6	0.0	8.2	3.0	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
2	D1 1	69.50	0.400	19.6	0.0	8.2	3.0	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
3	D1 1	69.40	0.400	19.6	0.0	8.1	3.1	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
4	D1 1	69.30	0.400	19.6	0.0	8.1	3.1	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
5	D1 1	69.20	0.400	19.6	0.0	8.1	3.1	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
6	D1 1	69.10	0.400	19.6	0.0	8.0	3.2	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
7	D1 1	69.00	0.400	19.6	0.0	8.0	3.2	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
8	D1 1	68.90	0.400	19.6	0.0	7.9	3.3	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
9	D1 1	68.80	0.400	19.6	0.0	7.9	3.3	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
10	D1 1	68.70	0.400	19.6	0.0	7.9	3.3	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
11	D1 1	68.60	0.400	19.6	0.0	7.8	3.4	0.0	0.9	0.1	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
12	D1 1	68.50	0.400	19.6	0.0	7.8	3.4	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
13	D1 1	68.40	0.400	19.6	0.0	7.8	3.4	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
14	D1 1	68.30	0.400	19.6	0.0	7.7	3.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
15	D1 1	68.20	0.400	19.6	0.0	7.7	3.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
16	D1 1	68.10	0.400	19.6	0.0	7.7	3.5	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
17	D1 1	68.00	0.400	19.6	0.0	7.7	3.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
18	D1 1	67.90	0.400	19.6	0.0	7.6	3.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
19	D1 1	67.80	0.400	19.6	0.0	7.6	3.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
20	D1 1	67.70	0.400	19.6	0.0	7.6	3.6	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
21	D1 1	67.60	0.400	19.6	0.0	7.5	3.7	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
22	D1 1	67.50	0.400	19.6	0.0	7.5	3.7	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
23	D1 1	67.40	0.400	19.6	0.0	7.5	3.7	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
24	D1 1	67.30	0.400	19.6	0.0	7.5	3.7	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
25	D1 1	67.20	0.400	19.6	0.0	7.4	3.8	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
26	D1 1	67.10	0.400	19.6	0.0	7.4	3.8	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
27	D1 1	67.00	0.400	19.6	0.0	7.4	3.8	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
28	D1 1	66.90	0.400	19.6	0.0	7.4	3.8	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
29	D1 1	66.80	0.400	19.6	0.0	7.4	3.8	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
30	D1 1	66.70	0.400	19.6	0.0	7.3	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
31	D1 1	66.60	0.400	19.6	0.0	7.3	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
32	D1 1	66.50	0.400	19.6	0.0	7.3	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
33	D1 1	66.40	0.400	19.6	0.0	7.3	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
34	D1 1	66.30	0.400	19.6	0.0	7.3	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
35	D1 1	66.20	0.400	19.6	0.0	7.2	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
36	D1 1	66.10	0.400	19.6	0.0	7.2	3.9	0.0	0.9	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
37	D1 1	66.00	0.400	19.6	0.0	7.2	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
38	D1 1	65.90	0.400	19.6	0.0	7.2	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
39	D1 1	65.80	0.400	19.6	0.0	7.2	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
40	D1 1	65.70	0.400	19.6	0.0	7.2	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
41	D1 1	65.60	0.400	19.6	0.0	7.1	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
42	D1 1	65.50	0.400	19.6	0.0	7.1	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32

43	D1	1	65.40	0.400	19.6	0.0	7.1	4.0	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
44	D1	1	65.30	0.400	19.6	0.0	7.1	4.1	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
45	D1	1	65.20	0.400	19.6	0.0	7.1	4.1	0.0	1.0	0.2	16.0	0.0	3.14	25.3	0.005	0.005	9.2	0.265	0.15	0.00	0.00	0.00	0.08	2.32
	TRIBUTARY # 046 (Braley Creek) ENTERS HERE																								
81	D2	3	65.10	0.444	19.6	0.0	7.2	4.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
82	D2	3	65.00	0.444	19.6	0.0	7.2	5.0	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
83	D2	3	64.90	0.444	19.6	0.0	7.2	5.0	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
84	D2	3	64.80	0.444	19.6	0.0	7.1	5.0	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
85	D2	3	64.70	0.444	19.6	0.0	7.1	5.1	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
86	D2	3	64.60	0.444	19.6	0.0	7.1	5.1	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
87	D2	3	64.50	0.444	19.6	0.0	7.1	5.1	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
88	D2	3	64.40	0.444	19.6	0.0	7.1	5.2	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
89	D2	3	64.30	0.444	19.6	0.0	7.1	5.2	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
90	D2	3	64.20	0.444	19.6	0.0	7.1	5.2	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
91	D2	3	64.10	0.444	19.6	0.0	7.1	5.3	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
92	D2	3	64.00	0.444	19.6	0.0	7.1	5.3	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
93	D2	3	63.90	0.444	19.6	0.0	7.1	5.3	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
94	D2	3	63.80	0.444	19.6	0.0	7.1	5.3	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
95	D2	3	63.70	0.444	19.6	0.0	7.0	5.4	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
96	D2	3	63.60	0.444	19.6	0.0	7.0	5.4	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
97	D2	3	63.50	0.444	19.6	0.0	7.0	5.4	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
98	D2	3	63.40	0.444	19.6	0.0	7.0	5.4	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
99	D2	3	63.30	0.444	19.6	0.0	7.0	5.5	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
100	D2	3	63.20	0.444	19.6	0.0	7.0	5.5	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
101	D2	3	63.10	0.444	19.6	0.0	7.0	5.5	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
102	D2	3	63.00	0.444	19.6	0.0	7.0	5.5	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
103	D2	3	62.90	0.444	19.6	0.0	7.0	5.5	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
104	D2	3	62.80	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
105	D2	3	62.70	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
106	D2	3	62.60	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
107	D2	3	62.50	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
108	D2	3	62.40	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
109	D2	3	62.30	0.444	19.6	0.0	6.9	5.6	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
110	D2	3	62.20	0.444	19.6	0.0	6.9	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
111	D2	3	62.10	0.444	19.6	0.0	6.9	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
112	D2	3	62.00	0.444	19.6	0.0	6.9	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
113	D2	3	61.90	0.444	19.6	0.0	6.9	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
114	D2	3	61.80	0.444	19.6	0.0	6.8	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
115	D2	3	61.70	0.444	19.6	0.0	6.8	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
116	D2	3	61.60	0.444	19.6	0.0	6.8	5.7	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
117	D2	3	61.50	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
118	D2	3	61.40	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
119	D2	3	61.30	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
120	D2	3	61.20	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
121	D2	3	61.10	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
122	D2	3	61.00	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
123	D2	3	60.90	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
124	D2	3	60.80	0.444	19.6	0.0	6.8	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
125	D2	3	60.70	0.444	19.6	0.0	6.7	5.8	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
126	D2	3	60.60	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
127	D2	3	60.50	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
128	D2	3	60.40	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
129	D2	3	60.30	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
130	D2	3	60.20	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
131	D2	3	60.10	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
132	D2	3	60.00	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
133	D2	3	59.90	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
134	D2	3	59.80	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
135	D2	3	59.70	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
136	D2	3	59.60	0.444	19.6	0.0	6.7	5.9	0.0	1.0	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
137	D2	3	59.50	0.444	19.6	0.0	6.7	5.9	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
138	D2	3	59.40	0.444	19.6	0.0	6.7	5.9	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
139	D2	3	59.30	0.444	19.6	0.0	6.7	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
140	D2	3	59.20	0.444	19.6	0.0	6.6	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
141	D2	3	59.10	0.444	19.6	0.0	6.6	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
142	D2	3	59.00	0.444	19.6	0.0	6.6	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
143	D2	3	58.90	0.444	19.6	0.0	6.6	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
144	D2	3	58.80	0.444	19.6	0.0	6.6	6.0	0.0	1.1	0.3	16.0	0.0	3.14	25.3	0.006	0.006	9.2	0.265	0.15	0.00	0.00	0.00	0.08	1.61
145	D3	4	58.70	0.444	19.6	0.0	6.7	6.2	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
146	D3	4	58.60	0.444	19.6	0.0	6.8	6.4	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
147	D3	4	58.50	0.444	19.6	0.0	6.8	6.6	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
148	D3	4	58.40	0.444	19.6	0.0	6.8	6.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
149	D3	4	58.30	0.444	19.6	0.0	6.8	6.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
150	D3	4	58.20	0.444	19.6	0.0	6.8	7.1	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16

151	D3	4	58.10	0.444	19.6	0.0	6.8	7.2	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
152	D3	4	58.00	0.444	19.6	0.0	6.8	7.4	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
153	D3	4	57.90	0.444	19.6	0.0	6.8	7.5	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
154	D3	4	57.80	0.444	19.6	0.0	6.7	7.6	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
155	D3	4	57.70	0.444	19.6	0.0	6.7	7.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
156	D3	4	57.60	0.444	19.6	0.0	6.7	7.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
157	D3	4	57.50	0.444	19.6	0.0	6.6	7.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
158	D3	4	57.40	0.444	19.6	0.0	6.6	8.0	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
159	D3	4	57.30	0.444	19.6	0.0	6.6	8.1	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
160	D3	4	57.20	0.444	19.6	0.0	6.5	8.1	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
161	D3	4	57.10	0.444	19.6	0.0	6.5	8.2	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.08	1.16
162	D3	4	57.00	0.444	19.6	0.0	6.5	8.3	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
163	D3	4	56.90	0.444	19.6	0.0	6.4	8.3	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
164	D3	4	56.80	0.444	19.6	0.0	6.4	8.4	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
165	D3	4	56.70	0.444	19.6	0.0	6.4	8.4	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
166	D3	4	56.60	0.444	19.6	0.0	6.3	8.5	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
167	D3	4	56.50	0.444	19.6	0.0	6.3	8.5	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
168	D3	4	56.40	0.444	19.6	0.0	6.3	8.5	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
169	D3	4	56.30	0.444	19.6	0.0	6.3	8.6	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
170	D3	4	56.20	0.444	19.6	0.0	6.2	8.6	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
171	D3	4	56.10	0.444	19.6	0.0	6.2	8.6	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
172	D3	4	56.00	0.444	19.6	0.0	6.2	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
173	D3	4	55.90	0.444	19.6	0.0	6.2	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
174	D3	4	55.80	0.444	19.6	0.0	6.2	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
175	D3	4	55.70	0.444	19.6	0.0	6.1	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
	WASTELOAD # 176 (Indian Creek) ENTERS HERE																								
176	D3	4	55.60	0.450	19.6	0.0	6.1	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
177	D3	4	55.50	0.450	19.6	0.0	6.1	8.7	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
178	D3	4	55.40	0.450	19.6	0.0	6.1	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
179	D3	4	55.30	0.450	19.6	0.0	6.1	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
180	D3	4	55.20	0.450	19.6	0.0	6.1	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
181	D3 4	55.10	0.450	19.6	0.0	6.1	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
182	D3 4	55.00	0.450	19.6	0.0	6.1	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
183	D3 4	54.90	0.450	19.6	0.0	6.0	8.8	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
184	D3 4	54.80	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
185	D3 4	54.70	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
186	D3 4	54.60	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
187	D3 4	54.50	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
188	D3 4	54.40	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
189	D3 4	54.30	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
190	D3 4	54.20	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
191	D3 4	54.10	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
192	D3 4	54.00	0.450	19.6	0.0	6.0	8.9	0.0	1.1	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
193	D3 4	53.90	0.450	19.6	0.0	6.0	8.9	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
194	D3 4	53.80	0.450	19.6	0.0	5.9	8.9	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
195	D3 4	53.70	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
196	D3 4	53.60	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
197	D3 4	53.50	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
198	D3 4	53.40	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
199	D3 4	53.30	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
200	D3 4	53.20	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
201	D3 4	53.10	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
202	D3 4	53.00	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
203	D3 4	52.90	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
204	D3 4	52.80	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
205	D3 4	52.70	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
206	D3 4	52.60	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
207	D3 4	52.50	0.450	19.6	0.0	5.9	9.0	0.0	1.2	0.3	16.0	0.0	3.14	65.2	0.002	0.002	9.2	0.306	0.15	0.00	0.00	0.00	0.07	1.16
208	D4 5	52.40	0.450	19.6	0.0	5.9	9.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
209	D4 5	52.30	0.450	19.6	0.0	6.0	9.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
210	D4 5	52.20	0.450	19.6	0.0	6.0	9.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
211	D4 5	52.10	0.450	19.6	0.0	6.0	9.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
212	D4 5	52.00	0.450	19.6	0.0	6.0	9.5	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
213	D4 5	51.90	0.450	19.6	0.0	6.0	9.5	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
214	D4 5	51.80	0.450	19.6	0.0	6.0	9.6	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
215	D4 5	51.70	0.450	19.6	0.0	6.0	9.7	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
216	D4 5	51.60	0.450	19.6	0.0	6.0	9.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
217	D4 5	51.50	0.450	19.6	0.0	6.0	9.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
218	D4 5	51.40	0.450	19.6	0.0	6.0	9.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
219	D4 5	51.30	0.450	19.6	0.0	6.0	10.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
220	D4 5	51.20	0.450	19.6	0.0	6.0	10.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
221	D4 5	51.10	0.450	19.6	0.0	6.0	10.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
222	D4 5	51.00	0.450	19.6	0.0	6.0	10.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
223	D4 5	50.90	0.450	19.6	0.0	6.0	10.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42

224	D4	5	50.80	0.450	19.6	0.0	6.0	10.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
225	D4	5	50.70	0.450	19.6	0.0	5.9	10.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
226	D4	5	50.60	0.450	19.6	0.0	5.9	10.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
227	D4	5	50.50	0.450	19.6	0.0	5.9	10.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
228	D4	5	50.40	0.450	19.6	0.0	5.9	10.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
229	D4	5	50.30	0.450	19.6	0.0	5.9	10.5	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
230	D4	5	50.20	0.450	19.6	0.0	5.9	10.5	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
231	D4	5	50.10	0.450	19.6	0.0	5.8	10.5	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
232	D4	5	50.00	0.450	19.6	0.0	5.8	10.6	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
233	D4	5	49.90	0.450	19.6	0.0	5.8	10.6	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
234	D4	5	49.80	0.450	19.6	0.0	5.8	10.6	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
235	D4	5	49.70	0.450	19.6	0.0	5.8	10.7	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
236	D4	5	49.60	0.450	19.6	0.0	5.7	10.7	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
237	D4	5	49.50	0.450	19.6	0.0	5.7	10.7	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
238	D4	5	49.40	0.450	19.6	0.0	5.7	10.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
239	D4	5	49.30	0.450	19.6	0.0	5.7	10.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
240	D4	5	49.20	0.450	19.6	0.0	5.7	10.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
241	D4	5	49.10	0.450	19.6	0.0	5.7	10.8	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
242	D4	5	49.00	0.450	19.6	0.0	5.6	10.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
243	D4	5	48.90	0.450	19.6	0.0	5.6	10.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
244	D4	5	48.80	0.450	19.6	0.0	5.6	10.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
245	D4	5	48.70	0.450	19.6	0.0	5.6	10.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
246	D4	5	48.60	0.450	19.6	0.0	5.6	10.9	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
247	D4	5	48.50	0.450	19.6	0.0	5.6	11.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
248	D4	5	48.40	0.450	19.6	0.0	5.6	11.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
249	D4	5	48.30	0.450	19.6	0.0	5.5	11.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
250	D4	5	48.20	0.450	19.6	0.0	5.5	11.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
251	D4	5	48.10	0.450	19.6	0.0	5.5	11.0	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
252	D4	5	48.00	0.450	19.6	0.0	5.5	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
253	D4	5	47.90	0.450	19.6	0.0	5.5	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
254	D4	5	47.80	0.450	19.6	0.0	5.5	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
255	D4 5	47.70	0.450	19.6	0.0	5.5	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
256	D4 5	47.60	0.450	19.6	0.0	5.5	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
257	D4 5	47.50	0.450	19.6	0.0	5.4	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
258	D4 5	47.40	0.450	19.6	0.0	5.4	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
259	D4 5	47.30	0.450	19.6	0.0	5.4	11.1	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
260	D4 5	47.20	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
261	D4 5	47.10	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
262	D4 5	47.00	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
263	D4 5	46.90	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
264	D4 5	46.80	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
265	D4 5	46.70	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
266	D4 5	46.60	0.450	19.6	0.0	5.4	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
267	D4 5	46.50	0.450	19.6	0.0	5.3	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
268	D4 5	46.40	0.450	19.6	0.0	5.3	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
269	D4 5	46.30	0.450	19.6	0.0	5.3	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
270	D4 5	46.20	0.450	19.6	0.0	5.3	11.2	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
271	D4 5	46.10	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
272	D4 5	46.00	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
273	D4 5	45.90	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
274	D4 5	45.80	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
275	D4 5	45.70	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
276	D4 5	45.60	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
277	D4 5	45.50	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
278	D4 5	45.40	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
279	D4 5	45.30	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
280	D4 5	45.20	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
281	D4 5	45.10	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
282	D4 5	45.00	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
283	D4 5	44.90	0.450	19.6	0.0	5.3	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
284	D4 5	44.80	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
285	D4 5	44.70	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
286	D4 5	44.60	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
287	D4 5	44.50	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
288	D4 5	44.40	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
289	D4 5	44.30	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
290	D4 5	44.20	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
291	D4 5	44.10	0.450	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
292	D4 5	44.00	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
293	D4 5	43.90	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
294	D4 5	43.80	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
295	D4 5	43.70	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
296	D4 5	43.60	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
297	D4 5	43.50	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42

298	D4	5	43.40	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
299	D4	5	43.30	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
300	D4	5	43.20	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
301	D4	5	43.10	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
302	D4	5	43.00	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
303	D4	5	42.90	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
304	D4	5	42.80	0.450	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
	WASTELOAD # 305 (Black Bayou) ENTERS HERE																								
305	D4	5	42.70	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
306	D4	5	42.60	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
307	D4	5	42.50	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
308	D4	5	42.40	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
309	D4	5	42.30	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
310	D4	5	42.20	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
311	D4	5	42.10	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
312	D4	5	42.00	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
313	D4	5	41.90	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
314	D4	5	41.80	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
315	D4	5	41.70	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
316	D4	5	41.60	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
317	D4	5	41.50	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
318	D4	5	41.40	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
319	D4	5	41.30	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
320	D4	5	41.20	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
321	D4	5	41.10	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
322	D4	5	41.00	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
323	D4	5	40.90	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
324	D4	5	40.80	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
325	D4	5	40.70	0.459	19.6	0.0	5.2	11.3	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
326	D4	5	40.60	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
327	D4	5	40.50	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
328	D4	5	40.40	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
329	D4	5	40.30	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
330	D4	5	40.20	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
331	D4	5	40.10	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
332	D4	5	40.00	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
333	D4	5	39.90	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
334	D4	5	39.80	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
335	D4	5	39.70	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
336	D4	5	39.60	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
337	D4	5	39.50	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
338	D4	5	39.40	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
339	D4	5	39.30	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
340	D4	5	39.20	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
341	D4	5	39.10	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
342	D4	5	39.00	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
343	D4	5	38.90	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
344	D4	5	38.80	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
345	D4	5	38.70	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
346	D4	5	38.60	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.14	36.0	0.004	0.004	9.2	0.281	0.15	0.00	0.00	0.00	0.07	0.42
347	D5	6	38.50	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
348	D5	6	38.40	0.459	19.6	0.0	5.2	11.4	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
349	D5	6	38.30	0.459	19.6	0.0	5.1	11.4	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
350	D5	6	38.20	0.459	19.6	0.0	5.1	11.4	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
351	D5	6	38.10	0.459	19.6	0.0	5.1	11.4	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
352	D5	6	38.00	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
353	D5	6	37.90	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
354	D5	6	37.80	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
355	D5	6	37.70	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
356	D5	6	37.60	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
357	D5	6	37.50	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
358	D5	6	37.40	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
359	D5	6	37.30	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
360	D5	6	37.20	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
361	D5	6	37.10	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
362	D5	6	37.00	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
363	D5	6	36.90	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
364	D5	6	36.80	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
365	D5	6	36.70	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
366	D5	6	36.60	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
367	D5	6	36.50	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
368	D5	6	36.40	0.459	19.6	0.0	5.1	11.3	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
369	D5	6	36.30	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
370	D5	6	36.20	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32

371	D5	6	36.10	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
372	D5	6	36.00	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
373	D5	6	35.90	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
374	D5	6	35.80	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
375	D5	6	35.70	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
376	D5	6	35.60	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
377	D5	6	35.50	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
378	D5	6	35.40	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
379	D5	6	35.30	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
380	D5	6	35.20	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
381	D5	6	35.10	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
382	D5	6	35.00	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
383	D5	6	34.90	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
384	D5	6	34.80	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
385	D5	6	34.70	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
386	D5	6	34.60	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
387	D5	6	34.50	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
388	D5	6	34.40	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
389	D5	6	34.30	0.459	19.6	0.0	5.1	11.2	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
	WASTELOAD # 390 (Flat Lick Bayou) ENTERS HERE																								
390	D5	6	34.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
391	D5	6	34.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
392	D5	6	34.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
393	D5	6	33.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
394	D5	6	33.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
395	D5	6	33.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
396	D5	6	33.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
397	D5	6	33.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
398	D5	6	33.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
399	D5	6	33.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
400	D5	6	33.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
401	D5 6	33.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
402	D5 6	33.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
403	D5 6	32.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
404	D5 6	32.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
405	D5 6	32.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
406	D5 6	32.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
407	D5 6	32.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
408	D5 6	32.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
409	D5 6	32.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
410	D5 6	32.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
411	D5 6	32.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
412	D5 6	32.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
413	D5 6	31.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
414	D5 6	31.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
415	D5 6	31.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
416	D5 6	31.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
417	D5 6	31.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
418	D5 6	31.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
419	D5 6	31.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
420	D5 6	31.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
421	D5 6	31.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
422	D5 6	31.00	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
423	D5 6	30.90	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
424	D5 6	30.80	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
425	D5 6	30.70	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
426	D5 6	30.60	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
427	D5 6	30.50	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
428	D5 6	30.40	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
429	D5 6	30.30	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
430	D5 6	30.20	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
431	D5 6	30.10	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
432	D5 6	30.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
433	D5 6	29.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
434	D5 6	29.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
435	D5 6	29.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
436	D5 6	29.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
437	D5 6	29.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
438	D5 6	29.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
439	D5 6	29.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
440	D5 6	29.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
441	D5 6	29.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
442	D5 6	29.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
443	D5 6	28.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32

444	D5	6	28.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
445	D5	6	28.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
446	D5	6	28.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
447	D5	6	28.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
448	D5	6	28.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
449	D5	6	28.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
450	D5	6	28.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
451	D5	6	28.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
452	D5	6	28.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
453	D5	6	27.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
454	D5	6	27.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
455	D5	6	27.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
456	D5	6	27.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
457	D5	6	27.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
458	D5	6	27.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
459	D5	6	27.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
460	D5	6	27.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
461	D5	6	27.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
462	D5	6	27.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
463	D5	6	26.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
464	D5	6	26.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
465	D5	6	26.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
466	D5	6	26.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
467	D5	6	26.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
468	D5	6	26.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
469	D5	6	26.30	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
470	D5	6	26.20	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
471	D5	6	26.10	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
472	D5	6	26.00	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
473	D5	6	25.90	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
474	D5	6	25.80	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
475	D5 6	25.70	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.08	20.4	0.007	0.007	9.2	0.261	0.15	0.00	0.00	0.00	0.07	0.32
476	D6 7	25.60	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
477	D6 7	25.50	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
478	D6 7	25.40	0.470	19.6	0.0	5.1	11.0	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
479	D6 7	25.30	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
480	D6 7	25.20	0.470	19.6	0.0	5.2	11.0	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
481	D6 7	25.10	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
482	D6 7	25.00	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
483	D6 7	24.90	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
484	D6 7	24.80	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
485	D6 7	24.70	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
486	D6 7	24.60	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
487	D6 7	24.50	0.470	19.6	0.0	5.2	10.9	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
488	D6 7	24.40	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
489	D6 7	24.30	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
490	D6 7	24.20	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
491	D6 7	24.10	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
492	D6 7	24.00	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
493	D6 7	23.90	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
494	D6 7	23.80	0.470	19.6	0.0	5.2	10.8	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
495	D6 7	23.70	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
496	D6 7	23.60	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
497	D6 7	23.50	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
498	D6 7	23.40	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
499	D6 7	23.30	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
500	D6 7	23.20	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
501	D6 7	23.10	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
502	D6 7	23.00	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
503	D6 7	22.90	0.470	19.6	0.0	5.2	10.7	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
504	D6 7	22.80	0.470	19.6	0.0	5.2	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
505	D6 7	22.70	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
506	D6 7	22.60	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
507	D6 7	22.50	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
508	D6 7	22.40	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
509	D6 7	22.30	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
510	D6 7	22.20	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
511	D6 7	22.10	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
512	D6 7	22.00	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
513	D6 7	21.90	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
514	D6 7	21.80	0.470	19.6	0.0	5.3	10.6	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
515	D6 7	21.70	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
516	D6 7	21.60	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
517	D6 7	21.50	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32

518	D6	7	21.40	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
519	D6	7	21.30	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
520	D6	7	21.20	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
521	D6	7	21.10	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
522	D6	7	21.00	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
523	D6	7	20.90	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
524	D6	7	20.80	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
525	D6	7	20.70	0.470	19.6	0.0	5.3	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
526	D6	7	20.60	0.470	19.6	0.0	5.4	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
527	D6	7	20.50	0.470	19.6	0.0	5.4	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
528	D6	7	20.40	0.470	19.6	0.0	5.4	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
529	D6	7	20.30	0.470	19.6	0.0	5.4	10.5	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
530	D6	7	20.20	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
531	D6	7	20.10	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
532	D6	7	20.00	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
533	D6	7	19.90	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
534	D6	7	19.80	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
535	D6	7	19.70	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
536	D6	7	19.60	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
537	D6	7	19.50	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
538	D6	7	19.40	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
539	D6	7	19.30	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
540	D6	7	19.20	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
541	D6	7	19.10	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
542	D6	7	19.00	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
543	D6	7	18.90	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
544	D6	7	18.80	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
545	D6	7	18.70	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
546	D6	7	18.60	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
547	D6	7	18.50	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
548	D6	7	18.40	0.470	19.6	0.0	5.4	10.4	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH		DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
549	D6	7	18.30	0.470	19.6	0.0	5.4	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
550	D6	7	18.20	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
551	D6	7	18.10	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
552	D6	7	18.00	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
553	D6	7	17.90	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
554	D6	7	17.80	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
555	D6	7	17.70	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
556	D6	7	17.60	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
557	D6	7	17.50	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
558	D6	7	17.40	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
559	D6	7	17.30	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
560	D6	7	17.20	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
561	D6	7	17.10	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
562	D6	7	17.00	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
563	D6	7	16.90	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
564	D6	7	16.80	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
565	D6	7	16.70	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
566	D6	7	16.60	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
567	D6	7	16.50	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
568	D6	7	16.40	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
569	D6	7	16.30	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
570	D6	7	16.20	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
571	D6	7	16.10	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
572	D6	7	16.00	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
573	D6	7	15.90	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
574	D6	7	15.80	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
575	D6	7	15.70	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
576	D6	7	15.60	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
577	D6	7	15.50	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
578	D6	7	15.40	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
579	D6	7	15.30	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
580	D6	7	15.20	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
581	D6	7	15.10	0.470	19.6	0.0	5.5	10.3	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
582	D6	7	15.00	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
583	D6	7	14.90	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
584	D6	7	14.80	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
585	D6	7	14.70	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
586	D6	7	14.60	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
587	D6	7	14.50	0.470	19.6	0.0	5.6	10.2	0.0	1.2	0.3	16.0	0.0	3.02	18.3	0.009	0.009	9.2	0.263	0.15	0.00	0.00	0.00	0.07	0.32
588	D7	8	14.40	0.470	19.6	0.0	5.5	10.2	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
589	D7	8	14.30	0.470	19.6	0.0	5.5	10.1	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
590	D7	8	14.20	0.470	19.6	0.0	5.5	10.1	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
591	D7	8	14.10	0.470	19.6	0.0	5.5	10.0	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84

592	D7	8	14.00	0.470	19.6	0.0	5.5	10.0	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
593	D7	8	13.90	0.470	19.6	0.0	5.5	9.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
594	D7	8	13.80	0.470	19.6	0.0	5.5	9.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
595	D7	8	13.70	0.470	19.6	0.0	5.5	9.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
596	D7	8	13.60	0.470	19.6	0.0	5.5	9.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
597	D7	8	13.50	0.470	19.6	0.0	5.6	9.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
598	D7	8	13.40	0.470	19.6	0.0	5.6	9.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
599	D7	8	13.30	0.470	19.6	0.0	5.6	9.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
600	D7	8	13.20	0.470	19.6	0.0	5.6	9.6	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
601	D7	8	13.10	0.470	19.6	0.0	5.6	9.6	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
602	D7	8	13.00	0.470	19.6	0.0	5.6	9.6	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
603	D7	8	12.90	0.470	19.6	0.0	5.6	9.5	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
604	D7	8	12.80	0.470	19.6	0.0	5.6	9.5	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
605	D7	8	12.70	0.470	19.6	0.0	5.6	9.5	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
606	D7	8	12.60	0.470	19.6	0.0	5.6	9.4	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
607	D7	8	12.50	0.470	19.6	0.0	5.7	9.4	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
608	D7	8	12.40	0.470	19.6	0.0	5.7	9.4	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
609	D7	8	12.30	0.470	19.6	0.0	5.7	9.3	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
610	D7	8	12.20	0.470	19.6	0.0	5.7	9.3	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
611	D7	8	12.10	0.470	19.6	0.0	5.7	9.3	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
612	D7	8	12.00	0.470	19.6	0.0	5.7	9.3	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
	WASTELOAD # 613 (PS: Dixie Inn) ENTERS HERE																								
613	D7	8	11.90	0.474	19.6	0.0	5.7	9.4	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
614	D7	8	11.80	0.474	19.6	0.0	5.7	9.3	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
615	D7	8	11.70	0.474	19.6	0.0	5.7	9.3	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
616	D7	8	11.60	0.474	19.6	0.0	5.7	9.3	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
617	D7	8	11.50	0.474	19.6	0.0	5.7	9.3	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
618	D7	8	11.40	0.474	19.6	0.0	5.8	9.2	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
619	D7	8	11.30	0.474	19.6	0.0	5.8	9.2	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
620	D7	8	11.20	0.474	19.6	0.0	5.8	9.2	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
621	D7	8	11.10	0.474	19.6	0.0	5.8	9.2	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
622	D7 8	11.00	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
623	D7 8	10.90	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
624	D7 8	10.80	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
625	D7 8	10.70	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
626	D7 8	10.60	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
627	D7 8	10.50	0.474	19.6	0.0	5.8	9.1	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
628	D7 8	10.40	0.474	19.6	0.0	5.8	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
629	D7 8	10.30	0.474	19.6	0.0	5.9	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
630	D7 8	10.20	0.474	19.6	0.0	5.9	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
631	D7 8	10.10	0.474	19.6	0.0	5.9	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
632	D7 8	10.00	0.474	19.6	0.0	5.9	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
633	D7 8	9.90	0.474	19.6	0.0	5.9	9.0	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
634	D7 8	9.80	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
635	D7 8	9.70	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
636	D7 8	9.60	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
637	D7 8	9.50	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.4	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
638	D7 8	9.40	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
639	D7 8	9.30	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
640	D7 8	9.20	0.474	19.6	0.0	5.9	8.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
641	D7 8	9.10	0.474	19.6	0.0	6.0	8.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
642	D7 8	9.00	0.474	19.6	0.0	6.0	8.9	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
643	D7 8	8.90	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
644	D7 8	8.80	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
645	D7 8	8.70	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
646	D7 8	8.60	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
647	D7 8	8.50	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
648	D7 8	8.40	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
649	D7 8	8.30	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
650	D7 8	8.20	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
651	D7 8	8.10	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
652	D7 8	8.00	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
653	D7 8	7.90	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
654	D7 8	7.80	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
655	D7 8	7.70	0.474	19.6	0.0	6.0	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
656	D7 8	7.60	0.474	19.6	0.0	6.1	8.8	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
657	D7 8	7.50	0.474	19.6	0.0	6.1	8.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
658	D7 8	7.40	0.474	19.6	0.0	6.1	8.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
659	D7 8	7.30	0.474	19.6	0.0	6.1	8.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
660	D7 8	7.20	0.474	19.6	0.0	6.1	8.7	0.0	1.2	0.3	16.0	0.0	2.96	33.8	0.005	0.005	9.2	0.295	0.15	0.00	0.00	0.00	0.07	0.84
	TRIBUTARY # 661 (Ten Mile Creek) ENTERS HERE																							
703	D8 13	7.10	0.636	19.6	0.0	5.9	9.5	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
704	D8 13	7.00	0.636	19.6	0.0	6.0	9.5	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
705	D8 13	6.90	0.636	19.6	0.0	6.0	9.4	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32

706	D8	13	6.80	0.636	19.6	0.0	6.0	9.3	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
707	D8	13	6.70	0.636	19.6	0.0	6.0	9.3	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
708	D8	13	6.60	0.636	19.6	0.0	6.0	9.2	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
709	D8	13	6.50	0.636	19.6	0.0	6.1	9.2	0.0	1.3	0.8	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
710	D8	13	6.40	0.636	19.6	0.0	6.1	9.1	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
711	D8	13	6.30	0.636	19.6	0.0	6.1	9.1	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
712	D8	13	6.20	0.636	19.6	0.0	6.1	9.0	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
713	D8	13	6.10	0.636	19.6	0.0	6.2	9.0	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
714	D8	13	6.00	0.636	19.6	0.0	6.2	9.0	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
715	D8	13	5.90	0.636	19.6	0.0	6.2	8.9	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
716	D8	13	5.80	0.636	19.6	0.0	6.2	8.9	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
717	D8	13	5.70	0.636	19.6	0.0	6.3	8.9	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
718	D8	13	5.60	0.636	19.6	0.0	6.3	8.8	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
719	D8	13	5.50	0.636	19.6	0.0	6.3	8.8	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
720	D8	13	5.40	0.636	19.6	0.0	6.3	8.8	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
721	D8	13	5.30	0.636	19.6	0.0	6.4	8.7	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.07	0.32
722	D8	13	5.20	0.636	19.6	0.0	6.4	8.7	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
723	D8	13	5.10	0.636	19.6	0.0	6.4	8.7	0.0	1.3	0.7	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
724	D8	13	5.00	0.636	19.6	0.0	6.4	8.6	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
725	D8	13	4.90	0.636	19.6	0.0	6.5	8.6	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
726	D8	13	4.80	0.636	19.6	0.0	6.5	8.6	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
727	D8	13	4.70	0.636	19.6	0.0	6.5	8.6	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
728	D8	13	4.60	0.636	19.6	0.0	6.5	8.5	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
729	D8	13	4.50	0.636	19.6	0.0	6.5	8.5	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
730	D8	13	4.40	0.636	19.6	0.0	6.6	8.5	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
731	D8	13	4.30	0.636	19.6	0.0	6.6	8.5	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
732	D8	13	4.20	0.636	19.6	0.0	6.6	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
733	D8	13	4.10	0.636	19.6	0.0	6.6	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
734	D8	13	4.00	0.636	19.6	0.0	6.6	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
735	D8	13	3.90	0.636	19.6	0.0	6.7	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
736	D8	13	3.80	0.636	19.6	0.0	6.7	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32

EXPANDED CAPSULE SUMMARY FOR Bayou Dorcheat

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
737	D8 13	3.70	0.636	19.6	0.0	6.7	8.4	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
738	D8 13	3.60	0.636	19.6	0.0	6.7	8.3	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
739	D8 13	3.50	0.636	19.6	0.0	6.7	8.3	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
740	D8 13	3.40	0.636	19.6	0.0	6.7	8.3	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
741	D8 13	3.30	0.636	19.6	0.0	6.8	8.3	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
742	D8 13	3.20	0.636	19.6	0.0	6.8	8.3	0.0	1.3	0.6	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
743	D8 13	3.10	0.636	19.6	0.0	6.8	8.3	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
744	D8 13	3.00	0.636	19.6	0.0	6.8	8.3	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
745	D8 13	2.90	0.636	19.6	0.0	6.8	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
746	D8 13	2.80	0.636	19.6	0.0	6.8	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
747	D8 13	2.70	0.636	19.6	0.0	6.8	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
748	D8 13	2.60	0.636	19.6	0.0	6.8	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
749	D8 13	2.50	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
750	D8 13	2.40	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
751	D8 13	2.30	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
752	D8 13	2.20	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
753	D8 13	2.10	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
754	D8 13	2.00	0.636	19.6	0.0	6.9	8.2	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
755	D8 13	1.90	0.636	19.6	0.0	6.9	8.1	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
756	D8 13	1.80	0.636	19.6	0.0	6.9	8.1	0.0	1.3	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
757	D8 13	1.70	0.636	19.6	0.0	6.9	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
758	D8 13	1.60	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
759	D8 13	1.50	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
760	D8 13	1.40	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
761	D8 13	1.30	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
762	D8 13	1.20	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
763	D8 13	1.10	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
764	D8 13	1.00	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
765	D8 13	0.90	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
766	D8 13	0.80	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
767	D8 13	0.70	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
768	D8 13	0.60	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
769	D8 13	0.50	0.636	19.6	0.0	7.0	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
770	D8 13	0.40	0.636	19.6	0.0	7.1	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
771	D8 13	0.30	0.636	19.6	0.0	7.1	8.1	0.0	1.2	0.5	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
772	D8 13	0.20	0.636	19.6	0.0	7.1	8.1	0.0	1.2	0.4	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
773	D8 13	0.10	0.636	19.6	0.0	7.1	8.0	0.0	1.2	0.4	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32
774	D8 13	0.00	0.636	19.6	0.0	7.1	8.0	0.0	1.2	0.4	16.0	0.0	2.96	50.3	0.004	0.004	9.2	0.325	0.15	0.00	0.00	0.00	0.08	0.32

EXPANDED CAPSULE SUMMARY FOR Braley Creek

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
	WASTELOAD # 046 (PS: Cullen WWTP) ENTERS HERE																							
46	B1 2	3.40	0.044	19.6	0.0	7.1	13.6	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.897	0.15	0.00	0.00	0.00	0.08	0.32
47	B1 2	3.30	0.044	19.6	0.0	7.2	13.6	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.897	0.15	0.00	0.00	0.00	0.08	0.32
48	B1 2	3.20	0.044	19.6	0.0	7.3	13.6	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.897	0.15	0.00	0.00	0.00	0.08	0.32
49	B1 2	3.10	0.044	19.6	0.0	7.3	13.5	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.897	0.15	0.00	0.00	0.00	0.08	0.32
50	B1 2	3.00	0.044	19.6	0.0	7.4	13.5	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.897	0.15	0.00	0.00	0.00	0.08	0.32
	WASTELOAD # 051 (Braley Creek Trib) ENTERS HERE																							
51	B1 2	2.90	0.045	19.6	0.0	7.4	13.4	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
52	B1 2	2.80	0.045	19.6	0.0	7.5	13.4	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
53	B1 2	2.70	0.045	19.6	0.0	7.5	13.4	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
54	B1 2	2.60	0.045	19.6	0.0	7.5	13.3	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
55	B1 2	2.50	0.045	19.6	0.0	7.6	13.3	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
56	B1 2	2.40	0.045	19.6	0.0	7.6	13.3	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
57	B1 2	2.30	0.045	19.6	0.0	7.6	13.2	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
58	B1 2	2.20	0.045	19.6	0.0	7.7	13.2	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
59	B1 2	2.10	0.045	19.6	0.0	7.7	13.1	0.0	1.3	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
60	B1 2	2.00	0.045	19.6	0.0	7.7	13.1	0.0	1.2	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
61	B1 2	1.90	0.045	19.6	0.0	7.7	13.1	0.0	1.2	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
62	B1 2	1.80	0.045	19.6	0.0	7.8	13.0	0.0	1.2	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
63	B1 2	1.70	0.045	19.6	0.0	7.8	13.0	0.0	1.2	1.4	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
64	B1 2	1.60	0.045	19.6	0.0	7.8	13.0	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
65	B1 2	1.50	0.045	19.6	0.0	7.8	12.9	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
66	B1 2	1.40	0.045	19.6	0.0	7.8	12.9	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
67	B1 2	1.30	0.045	19.6	0.0	7.8	12.9	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
68	B1 2	1.20	0.045	19.6	0.0	7.9	12.8	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
69	B1 2	1.10	0.045	19.6	0.0	7.9	12.8	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
70	B1 2	1.00	0.045	19.6	0.0	7.9	12.8	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
71	B1 2	0.90	0.045	19.6	0.0	7.9	12.8	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
72	B1 2	0.80	0.045	19.6	0.0	7.9	12.7	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
73	B1 2	0.70	0.045	19.6	0.0	7.9	12.7	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
74	B1 2	0.60	0.045	19.6	0.0	7.9	12.7	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
75	B1 2	0.50	0.045	19.6	0.0	7.9	12.6	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
76	B1 2	0.40	0.045	19.6	0.0	8.0	12.6	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
77	B1 2	0.30	0.045	19.6	0.0	8.0	12.6	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
78	B1 2	0.20	0.045	19.6	0.0	8.0	12.5	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
79	B1 2	0.10	0.045	19.6	0.0	8.0	12.5	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32
80	B1 2	0.00	0.045	19.6	0.0	8.0	12.5	0.0	1.2	1.3	16.0	0.0	0.54	3.2	0.026	0.026	9.2	1.900	0.15	0.00	0.00	0.00	0.08	0.32

EXPANDED CAPSULE SUMMARY FOR Ten Mile Creek

IOR	REACH	DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORG-N mg/L	NH3 mg/L	CHLA µg/L	DISP m²/s	DEPTH m	WIDTH m	ADVEC VELO m/s	MEAN VELO m/s	DO SAT mg/L	REAER RATE 1/da	BOD1 DECA 1/da	BOD1 SETT 1/da	BOD2 DECA 1/da	BOD2 SETT 1/da	NH3 DECA 1/da	SOD g/m²/d
WASTELOAD # 661 (PS: Minden WWTP) ENTERS HERE																								
661	M1 9	4.10	0.162	19.6	0.0	5.8	20.4	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.07	0.25
662	M1 9	4.00	0.162	19.6	0.0	6.1	20.4	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.07	0.25
663	M1 9	3.90	0.162	19.6	0.0	6.3	20.4	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.07	0.25
664	M1 9	3.80	0.162	19.6	0.0	6.5	20.3	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.08	0.25
665	M1 9	3.70	0.162	19.6	0.0	6.7	20.3	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.08	0.25
666	M1 9	3.60	0.162	19.6	0.0	6.8	20.3	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.08	0.25
667	M1 9	3.50	0.162	19.6	0.0	7.0	20.3	0.0	1.5	2.8	16.0	0.0	0.23	5.4	0.131	0.131	9.2	9.921	0.15	0.00	0.00	0.00	0.08	0.25
668	M2 10	3.40	0.162	19.6	0.0	7.1	20.2	0.0	1.5	2.8	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
669	M2 10	3.30	0.162	19.6	0.0	7.2	20.2	0.0	1.5	2.8	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
670	M2 10	3.20	0.162	19.6	0.0	7.2	20.1	0.0	1.5	2.8	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
671	M2 10	3.10	0.162	19.6	0.0	7.3	20.1	0.0	1.5	2.8	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
672	M2 10	3.00	0.162	19.6	0.0	7.4	20.0	0.0	1.5	2.8	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
673	M2 10	2.90	0.162	19.6	0.0	7.4	20.0	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
674	M2 10	2.80	0.162	19.6	0.0	7.5	19.9	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
675	M2 10	2.70	0.162	19.6	0.0	7.6	19.9	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
676	M2 10	2.60	0.162	19.6	0.0	7.6	19.9	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
677	M2 10	2.50	0.162	19.6	0.0	7.7	19.8	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
678	M2 10	2.40	0.162	19.6	0.0	7.7	19.8	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
679	M2 10	2.30	0.162	19.6	0.0	7.8	19.7	0.0	1.5	2.7	16.0	0.0	0.37	5.8	0.076	0.076	9.2	4.693	0.15	0.00	0.00	0.00	0.08	0.25
680	M3 11	2.20	0.162	19.6	0.0	7.7	19.5	0.0	1.5	2.7	16.0	0.0	0.58	15.5	0.018	0.018	9.2	1.577	0.15	0.00	0.00	0.00	0.08	0.25
681	M3 11	2.10	0.162	19.6	0.0	7.6	19.4	0.0	1.5	2.7	16.0	0.0	0.58	15.5	0.018	0.018	9.2	1.577	0.15	0.00	0.00	0.00	0.08	0.25
682	M3 11	2.00	0.162	19.6	0.0	7.6	19.2	0.0	1.5	2.7	16.0	0.0	0.58	15.5	0.018	0.018	9.2	1.577	0.15	0.00	0.00	0.00	0.08	0.25
683	M3 11	1.90	0.162	19.6	0.0	7.5	19.0	0.0	1.5	2.7	16.0	0.0	0.58	15.5	0.018	0.018	9.2	1.577	0.15	0.00	0.00	0.00	0.08	0.25
684	M3 11	1.80	0.162	19.6	0.0	7.5	18.8	0.0	1.5	2.7	16.0	0.0	0.58	15.5	0.018	0.018	9.2	1.577	0.15	0.00	0.00	0.00	0.08	0.25
685	M4 12	1.70	0.162	19.6	0.0	7.2	18.4	0.0	1.5	2.6	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.08	0.25
686	M4 12	1.60	0.162	19.6	0.0	6.9	17.9	0.0	1.5	2.6	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.08	0.25
687	M4 12	1.50	0.162	19.6	0.0	6.6	17.5	0.0	1.5	2.6	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.08	0.25
688	M4 12	1.40	0.162	19.6	0.0	6.4	17.0	0.0	1.5	2.6	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.08	0.25
689	M4 12	1.30	0.162	19.6	0.0	6.2	16.6	0.0	1.5	2.5	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
690	M4 12	1.20	0.162	19.6	0.0	6.1	16.2	0.0	1.5	2.5	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
691	M4 12	1.10	0.162	19.6	0.0	5.9	15.8	0.0	1.5	2.5	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
692	M4 12	1.00	0.162	19.6	0.0	5.8	15.4	0.0	1.5	2.5	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
693	M4 12	0.90	0.162	19.6	0.0	5.7	15.1	0.0	1.5	2.4	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
694	M4 12	0.80	0.162	19.6	0.0	5.6	14.7	0.0	1.5	2.4	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
695	M4 12	0.70	0.162	19.6	0.0	5.6	14.3	0.0	1.5	2.4	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
696	M4 12	0.60	0.162	19.6	0.0	5.5	14.0	0.0	1.5	2.4	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
697	M4 12	0.50	0.162	19.6	0.0	5.5	13.6	0.0	1.5	2.3	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
698	M4 12	0.40	0.162	19.6	0.0	5.5	13.3	0.0	1.5	2.3	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
699	M4 12	0.30	0.162	19.6	0.0	5.5	13.0	0.0	1.5	2.3	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
700	M4 12	0.20	0.162	19.6	0.0	5.5	12.7	0.0	1.4	2.3	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
701	M4 12	0.10	0.162	19.6	0.0	5.5	12.4	0.0	1.4	2.2	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25
702	M4 12	0.00	0.162	19.6	0.0	5.5	12.1	0.0	1.4	2.2	16.0	0.0	1.43	16.7	0.007	0.007	9.2	0.528	0.15	0.00	0.00	0.00	0.07	0.25

STREAM SUMMARY
Bayou Dorcheat

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

TRAVEL TIME	=	169.96 DAYS			
MAXIMUM EFFLUENT	=	28.27 PERCENT			
FLOW	=	0.40000	TO	0.63570	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00217	TO	0.00850	m/s
DEPTH	=	2.96	TO	3.14	m
WIDTH	=	18.29	TO	65.22	m
BOD DECAY	=	0.15	TO	0.15	per day
NH3 DECAY	=	0.07	TO	0.08	per day
SOD	=	0.32	TO	2.32	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.26	TO	0.33	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	=	19.60	TO	19.60	deg C
DISSOLVED OXYGEN	=	5.06	TO	8.21	mg/L

STREAM SUMMARY
Braley Creek

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

TRAVEL TIME	=	1.56 DAYS			
MAXIMUM EFFLUENT	=	37.08 PERCENT			
FLOW	=	0.04430	TO	0.04450	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.02580	TO	0.02591	m/s
DEPTH	=	0.54	TO	0.54	m
WIDTH	=	3.18	TO	3.18	m
BOD DECAY	=	0.15	TO	0.15	per day
NH3 DECAY	=	0.08	TO	0.08	per day
SOD	=	0.32	TO	0.32	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	1.90	TO	1.90	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	=	19.60	TO	19.60	deg C
DISSOLVED OXYGEN	=	7.13	TO	7.98	mg/L

STREAM SUMMARY
Ten Mile Creek

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

TRAVEL TIME	=	3.63 DAYS			
MAXIMUM EFFLUENT	=	82.72 PERCENT			
FLOW	=	0.16200	TO	0.16200	m^3/s
DISPERSION	=	0.0000	TO	0.0000	m^2/s
VELOCITY	=	0.00680	TO	0.13068	m/s
DEPTH	=	0.23	TO	1.43	m
WIDTH	=	5.39	TO	16.67	m
BOD DECAY	=	0.15	TO	0.15	per day
NH3 DECAY	=	0.07	TO	0.08	per day
SOD	=	0.25	TO	0.25	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.53	TO	9.92	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	=	19.60	TO	19.60	deg C
DISSOLVED OXYGEN	=	5.46	TO	7.76	mg/L

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

REACH SUMMARY REPORT FOR Bayou Dorcheat

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 Dorcheat	69.70	65.20	4.50	10.34	0.40000	0.00504	3.140	25.30	14.124	0.017	10.302	83.01
3	Bayou Dorcheat	65.20	58.80	6.40	13.24	0.44450	0.00560	3.140	25.30	15.695	0.018	10.302	83.01
4	Bayou Dorcheat	58.80	52.50	6.30	33.39	0.44980	0.00218	3.140	65.22	15.882	0.007	10.302	213.99
5	Bayou Dorcheat	52.50	38.60	13.90	40.15	0.45870	0.00401	3.140	35.96	16.197	0.013	10.302	117.98
6	Bayou Dorcheat	38.60	25.70	12.90	20.15	0.46960	0.00741	3.080	20.42	16.582	0.024	10.105	67.00
7	Bayou Dorcheat	25.70	14.50	11.20	15.25	0.46960	0.00850	3.020	18.29	16.582	0.028	9.909	60.01
8	Bayou Dorcheat	14.50	7.20	7.30	17.91	0.47370	0.00472	2.960	33.83	16.726	0.015	9.712	111.00
13	Bayou Dorcheat	7.20	0.00	7.20	19.51	0.63570	0.00427	2.960	50.29	22.447	0.014	9.712	165.00

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

REACH SUMMARY REPORT FOR Braley Creek

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
2	Braley Creek	3.50	0.00	3.50	1.56	0.04450	0.02590	0.540	3.18	1.571	0.085	1.772	10.43

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

REACH SUMMARY REPORT FOR Ten Mile Creek

RCH NO.	REACH NAME	BEGIN DIST km	ENDING DIST km	REACH LENGTH km	TRAVEL TIME days	FLOW AT EOR m3/s	AVERAGE VELO m/s	AVG DEPTH m	AVG WIDTH m	FLOW AT EOR cfs	AVERAGE VELO fps	AVG DEPTH ft	AVG WIDTH ft
9	Ten Mile Creek	4.20	3.50	0.70	0.06	0.16200	0.13068	0.230	5.39	5.720	0.429	0.755	17.68
10	Ten Mile Creek	3.50	2.30	1.20	0.18	0.16200	0.07601	0.370	5.76	5.720	0.249	1.214	18.90
11	Ten Mile Creek	2.30	1.80	0.50	0.32	0.16200	0.01804	0.580	15.48	5.720	0.059	1.903	50.79
12	Ten Mile Creek	1.80	0.00	1.80	3.07	0.16200	0.00680	1.430	16.67	5.720	0.022	4.692	54.69

LA-QUAL Model for Bayou Dorcheat
Winter Projection Run

INPUT/OUTPUT LOADING SUMMARY

	FLOW m^3/s	DO kg/d	BOD#1 kg/d	BOD#2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	PHOS kg/d	CHL A	NCM
HEADWATER FLOW	0.456	325.0	140.8	0.0	36.3	5.1	0.0	0.0	0.0	0.0
INCREMENTAL INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCREMENTAL OUTFLOW	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WASTELOADS	0.180	84.7	316.7	0.0	24.9	45.2	0.0	0.0	0.0	0.0
WITHDRAWLS	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FLOW THRU LOWER BNDRY	-0.636	-389.0	-441.7	0.0	-68.3	-24.3	0.0	0.0	0.0	0.0
DISPERSION THRU LOWER BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DISPERSION THRU HDWTR BNDRY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NON-POINT INPUT		0.0	9478.0	0.0	171.0					0.0
NATURAL REAERATION		6486.2								
DAM REAERATION		0.0								
BACKGROUND SOD		-1701.3								
BOD#1 DECAY		-9493.9	-9493.9							
BOD#1 SETTLING		0.0	0.0							
ANAEROBIC BOD#1 DECAY			0.0							
BOD#2 DECAY		0.0		0.0						
BOD#2 SETTLING		0.0		0.0						
ANAEROBIC BOD#2 DECAY				0.0						
ORG-N DECAY		0.0			-163.9	163.9				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		-822.9				-190.1	190.1			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		5510.0				0.0	-275.5	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		0.0								0.0
NCM SETTLING		0.0								0.0
TOTAL INPUTS	0.636	12406.0	9935.6	0.0	232.2	214.2	190.1	0.0	0.0	0.0
TOTAL OUTPUTS	-0.636	-12407.1	-9935.6	0.0	-232.2	-214.4	-275.5	0.0	0.0	0.0
NET CONVERGENCE ERROR	0.000	-1.1	0.0	0.0	0.0	-0.2	-85.4	0.0	0.0	0.0

```
.....EXECUTION COMPLETED
```

APPENDIX M

Input and Output for TMDL Calculation Program

```
100501                  Subsegment number for this TMDL
"Bayou Dorcheat"        Subsegment name (max 50 chars)
"bdorsum3.out"           Name of LA-QUAL output file
13                      Total number of reaches in the model
100501                  Subsegment that reach 1 is in
100501                  Subsegment that reach 2 is in
100501                  Subsegment that reach 3 is in
100501                  Subsegment that reach 4 is in
100501                  Subsegment that reach 5 is in
100501                  Subsegment that reach 6 is in
100501                  Subsegment that reach 7 is in
100501                  Subsegment that reach 8 is in
100501                  Subsegment that reach 9 is in
100501                  Subsegment that reach 10 is in
100501                  Subsegment that reach 11 is in
100501                  Subsegment that reach 12 is in
100501                  Subsegment that reach 13 is in
10                      point source margin of safety (%)
10                      point source Future Growth (%)
10                      NPS margin of safety (%)
10                      NPS Future Growth (%)
4.33                    Ratio of oxygen demand to nitrogen
9                       Number of minor point sources
                        MINOR POINT SOURCE DISCHARGE #1:
"LA0005312"                NPDES permit number (9 chars)
"002"                      Outfall number (3 chars)
0.392                      Flow (MGD)
"Cotton Valley Refinery"   Comment for flow (max 40 chars)
15                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #2:
"LA0020401"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.15                       Flow (MGD)
"Cotton Valley STP"        Comment for flow (max 40 chars)
10                         CBOD5 or BOD5 permit limit
0                          COD permit limit
3.33                       Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #3:
"LA0033227"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
1.5                        Flow (MGD)
"Springhill STP"           Comment for flow (max 40 chars)
5                          CBOD5 or BOD5 permit limit
0                          COD permit limit
2                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #4:
"LA0104647"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.15                       Flow (MGD)
"Sarepta STP"              Comment for flow (max 40 chars)
10                         CBOD5 or BOD5 permit limit
0                          COD permit limit
```

```
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                       MINOR POINT SOURCE DISCHARGE #5:
"LAG541088"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0072                     Flow (MGD)
"Minden Truck Center"      Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                       MINOR POINT SOURCE DISCHARGE #6:
"LAG540265"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0048                     Flow (MGD)
"Meadowbrook Home"         Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                      MINOR POINT SOURCE DISCHARGE #7:
"LAG540507"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0192                     Flow (MGD)
"Twin Oaks Subdivision"    Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
" "                        Comment for conc. limits (max 40 chars)
                     MINOR POINT SOURCE DISCHARGE #8:
"LAG540538"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.010717                   Flow (MGD)
"Oaktree Apartments"       Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                     MINOR POINT SOURCE DISCHARGE #9:
"LAG540944"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0162                     Flow (MGD)
"Mousers Home Place"       Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
No                     Nutrient TMDL needed?
1.0                    Natural ratio of total N to total P
```

TMDL CALCULATIONS FOR SUBSEGMENT: 100501 Bayou Dorcheat
FTN ASSOCIATES, LTD.
Program:Pr20m6f

INFO FOR INPUT FILE WITH USER SPECIFIED DATA AND OPTIONS:
File name:tmdlbds3.inp

INFO FOR LA-QUAL OUTPUT FILE:
File name:bdorsum3.out
Date/Time:Output produced at 09:54 on 02/15/2008
LA-QUAL Version 8.11

LIST OF ALL REACHES IN LA-QUAL OUTPUT FILE:

```
 Reach   1 (Elements    1 -  45) is in subsegment  100501 Bayou Dorcheat
 Reach   2 (Elements   46 -  80) is in subsegment  100501 Braley Creek
 Reach   3 (Elements   81 - 144) is in subsegment  100501 Bayou Dorcheat
 Reach   4 (Elements  145 - 207) is in subsegment  100501 Bayou Dorcheat
 Reach   5 (Elements  208 - 346) is in subsegment  100501 Bayou Dorcheat
 Reach   6 (Elements  347 - 475) is in subsegment  100501 Bayou Dorcheat
 Reach   7 (Elements  476 - 587) is in subsegment  100501 Bayou Dorcheat
 Reach   8 (Elements  588 - 660) is in subsegment  100501 Bayou Dorcheat
 Reach   9 (Elements  661 - 667) is in subsegment  100501 Mile Creek
 Reach  10 (Elements  668 - 679) is in subsegment  100501 Mile Creek
 Reach  11 (Elements  680 - 684) is in subsegment  100501 Mile Creek
 Reach  12 (Elements  685 - 702) is in subsegment  100501 Mile Creek
 Reach  13 (Elements  703 - 774) is in subsegment  100501 Bayou Dorcheat
```

CALCULATIONS FOR LOADS FROM NPS INFLOWS (HEADWATERS, TRIBUTARIES, AND INCREMENTAL INFLOW):

Equation used: (Load, kg/day) = (Inflow rate, m3/sec) * (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 * 86400 sec/day

Values from LA-QUAL output:

Reach or Element number	Inflow rate (m3/sec)	CBODu conc. (mg/L)	Organic N conc. (mg/L)	Ammonia N conc. (mg/L)	NO2+NO3 N conc. (mg/L)	Name of inflow
1	0.01700	1.99	0.63	0.09	0.00	Bayou Dorcheat
46	0.00280	5.63	0.64	0.09	0.00	Braley Creek
661	0.00280	5.63	0.64	0.09	0.00	Mile Creek
51	0.00020	5.63	0.64	0.09	0.00	NPS: Braley Creek
176	0.00530	3.06	0.74	0.09	0.00	NPS: Indian Creek
305	0.00890	3.06	0.74	0.09	0.00	NPS: Black Bayou
390	0.01090	3.06	0.74	0.09	0.00	NPS: Flat Lick Bay

Calculated values:

Element number	CBODu load (kg/day)	Organic N load (kg/day)	Ammonia N load (kg/day)	NO2+NO3 N load (kg/day)
1	2.92	0.93	0.13	0.00
46	1.36	0.15	0.02	0.00
661	1.36	0.15	0.02	0.00
51	0.10	0.01	0.00	0.00
176	1.40	0.34	0.04	0.00
305	2.35	0.57	0.07	0.00
390	2.88	0.70	0.08	0.00

Subsegment totals: 8.53 2.85 0.36 -NaN

CALCULATIONS FOR NONPOINT SOURCE MASS LOADS IN DATA TYPE 19:

Values from LA-QUAL output:

Reach number	CBODu mass load (kg/day)	Organic N mass load (kg/day)
1	158.00	5.40
2	5.00	0.00
3	315.00	9.00
4	1170.00	22.50
5	1800.00	27.00
6	900.00	13.50
7	630.00	10.40
8	630.00	11.70
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	855.00	17.10
Subsegment totals	6463.00	116.60

CALCULATIONS FOR LOADS FROM SOD AND BENTHIC AMMONIA:

SOD temperature correction factor used in LA-QUAL model: 1.065 (default)

Equations used: SOD temp. corrected = (SOD at 20 C) * 1.065^(Water temp - 20 C)
SOD load = (SOD temp. corrected, g/m2/day) * (Surface area, m2) * 1.0E-3 kg/g
Benthic NH3-N load = (Benthic ammonia N, g/m2/day) * (Surface area, m2) * 1.0E-3 kg/g

		Values from LA-QUAL output:				Calculated values:		
Reach number	Element number	Water temp. (deg C)	Surface area (m2)	SOD at 20 C (g/m2/day)	Benthic ammonia N (g/m2/day)	SOD temp. corrected (g/m2/day)	SOD load (kg/day)	Benthic NH3-N load (kg/day)
1	1	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	2	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	3	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	4	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	5	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	6	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	7	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	8	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	9	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	10	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	11	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	12	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	13	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	14	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	15	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	16	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	17	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	18	30.80	2530.0	3.200	0.00	3.200	8.10	0.00

1	19	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	20	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	21	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	22	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	23	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	24	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	25	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	26	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	27	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	28	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	29	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	30	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	31	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	32	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	33	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	34	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	35	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	36	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	37	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	38	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	39	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	40	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	41	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	42	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	43	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	44	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
1	45	30.80	2530.0	3.200	0.00	3.200	8.10	0.00
2	46	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	47	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	48	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	49	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	50	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	51	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	52	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	53	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	54	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	55	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	56	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	57	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	58	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	59	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	60	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	61	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	62	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	63	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	64	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	65	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	66	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	67	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	68	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	69	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	70	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	71	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	72	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	73	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	74	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	75	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	76	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	77	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	78	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	79	30.80	318.0	3.200	0.00	0.790	0.25	0.00
2	80	30.80	318.0	3.200	0.00	0.790	0.25	0.00
3	81	30.80	2530.0	3.200	0.00	2.230	5.64	0.00

3	82	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	83	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	84	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	85	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	86	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	87	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	88	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	89	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	90	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	91	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	92	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	93	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	94	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	95	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	96	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	97	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	98	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	99	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	100	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	101	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	102	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	103	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	104	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	105	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	106	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	107	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	108	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	109	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	110	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	111	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	112	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	113	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	114	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	115	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	116	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	117	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	118	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	119	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	120	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	121	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	122	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	123	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	124	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	125	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	126	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	127	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	128	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	129	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	130	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	131	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	132	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	133	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	134	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	135	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	136	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	137	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	138	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	139	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	140	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	141	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	142	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	143	30.80	2530.0	3.200	0.00	2.230	5.64	0.00
3	144	30.80	2530.0	3.200	0.00	2.230	5.64	0.00

4	145	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	146	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	147	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	148	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	149	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	150	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	151	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	152	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	153	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	154	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	155	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	156	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	157	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	158	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	159	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	160	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	161	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	162	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	163	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	164	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	165	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	166	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	167	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	168	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	169	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	170	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	171	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	172	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	173	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	174	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	175	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	176	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	177	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	178	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	179	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	180	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	181	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	182	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	183	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	184	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	185	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	186	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	187	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	188	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	189	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	190	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	191	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	192	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	193	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	194	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	195	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	196	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	197	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	198	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	199	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	200	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	201	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	202	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	203	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	204	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	205	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	206	30.80	6522.0	3.200	0.00	1.600	10.44	0.00
4	207	30.80	6522.0	3.200	0.00	1.600	10.44	0.00

5	208	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	209	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	210	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	211	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	212	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	213	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	214	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	215	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	216	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	217	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	218	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	219	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	220	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	221	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	222	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	223	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	224	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	225	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	226	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	227	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	228	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	229	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	230	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	231	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	232	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	233	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	234	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	235	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	236	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	237	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	238	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	239	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	240	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	241	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	242	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	243	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	244	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	245	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	246	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	247	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	248	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	249	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	250	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	251	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	252	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	253	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	254	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	255	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	256	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	257	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	258	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	259	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	260	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	261	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	262	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	263	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	264	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	265	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	266	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	267	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	268	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	269	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	270	30.80	3596.0	3.200	0.00	0.790	2.84	0.00

5	271	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	272	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	273	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	274	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	275	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	276	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	277	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	278	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	279	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	280	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	281	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	282	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	283	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	284	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	285	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	286	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	287	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	288	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	289	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	290	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	291	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	292	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	293	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	294	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	295	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	296	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	297	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	298	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	299	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	300	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	301	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	302	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	303	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	304	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	305	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	306	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	307	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	308	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	309	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	310	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	311	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	312	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	313	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	314	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	315	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	316	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	317	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	318	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	319	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	320	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	321	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	322	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	323	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	324	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	325	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	326	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	327	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	328	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	329	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	330	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	331	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	332	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	333	30.80	3596.0	3.200	0.00	0.790	2.84	0.00

5	334	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	335	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	336	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	337	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	338	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	339	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	340	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	341	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	342	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	343	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	344	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	345	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
5	346	30.80	3596.0	3.200	0.00	0.790	2.84	0.00
6	347	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	348	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	349	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	350	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	351	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	352	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	353	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	354	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	355	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	356	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	357	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	358	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	359	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	360	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	361	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	362	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	363	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	364	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	365	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	366	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	367	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	368	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	369	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	370	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	371	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	372	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	373	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	374	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	375	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	376	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	377	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	378	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	379	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	380	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	381	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	382	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	383	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	384	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	385	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	386	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	387	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	388	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	389	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	390	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	391	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	392	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	393	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	394	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	395	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	396	30.80	2042.0	3.200	0.00	0.790	1.61	0.00

6	397	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	398	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	399	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	400	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	401	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	402	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	403	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	404	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	405	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	406	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	407	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	408	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	409	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	410	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	411	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	412	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	413	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	414	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	415	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	416	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	417	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	418	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	419	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	420	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	421	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	422	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	423	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	424	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	425	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	426	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	427	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	428	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	429	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	430	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	431	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	432	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	433	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	434	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	435	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	436	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	437	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	438	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	439	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	440	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	441	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	442	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	443	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	444	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	445	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	446	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	447	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	448	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	449	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	450	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	451	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	452	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	453	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	454	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	455	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	456	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	457	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	458	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	459	30.80	2042.0	3.200	0.00	0.790	1.61	0.00

6	460	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	461	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	462	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	463	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	464	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	465	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	466	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	467	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	468	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	469	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	470	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	471	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	472	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	473	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	474	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
6	475	30.80	2042.0	3.200	0.00	0.790	1.61	0.00
7	476	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	477	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	478	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	479	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	480	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	481	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	482	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	483	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	484	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	485	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	486	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	487	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	488	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	489	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	490	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	491	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	492	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	493	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	494	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	495	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	496	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	497	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	498	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	499	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	500	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	501	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	502	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	503	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	504	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	505	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	506	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	507	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	508	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	509	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	510	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	511	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	512	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	513	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	514	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	515	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	516	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	517	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	518	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	519	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	520	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	521	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	522	30.80	1829.0	3.200	0.00	0.790	1.44	0.00

7	523	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	524	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	525	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	526	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	527	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	528	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	529	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	530	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	531	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	532	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	533	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	534	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	535	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	536	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	537	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	538	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	539	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	540	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	541	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	542	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	543	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	544	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	545	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	546	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	547	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	548	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	549	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	550	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	551	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	552	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	553	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	554	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	555	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	556	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	557	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	558	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	559	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	560	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	561	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	562	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	563	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	564	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	565	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	566	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	567	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	568	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	569	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	570	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	571	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	572	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	573	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	574	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	575	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	576	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	577	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	578	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	579	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	580	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	581	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	582	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	583	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	584	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	585	30.80	1829.0	3.200	0.00	0.790	1.44	0.00

7	586	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
7	587	30.80	1829.0	3.200	0.00	0.790	1.44	0.00
8	588	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	589	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	590	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	591	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	592	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	593	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	594	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	595	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	596	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	597	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	598	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	599	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	600	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	601	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	602	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	603	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	604	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	605	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	606	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	607	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	608	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	609	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	610	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	611	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	612	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	613	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	614	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	615	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	616	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	617	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	618	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	619	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	620	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	621	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	622	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	623	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	624	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	625	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	626	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	627	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	628	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	629	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	630	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	631	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	632	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	633	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	634	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	635	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	636	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	637	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	638	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	639	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	640	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	641	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	642	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	643	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	644	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	645	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	646	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	647	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	648	30.80	3383.0	3.200	0.00	1.160	3.92	0.00

8	649	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	650	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	651	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	652	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	653	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	654	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	655	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	656	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	657	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	658	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	659	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
8	660	30.80	3383.0	3.200	0.00	1.160	3.92	0.00
9	661	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	662	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	663	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	664	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	665	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	666	30.80	539.0	3.200	0.00	0.790	0.43	0.00
9	667	30.80	539.0	3.200	0.00	0.790	0.43	0.00
10	668	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	669	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	670	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	671	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	672	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	673	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	674	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	675	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	676	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	677	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	678	30.80	576.0	3.200	0.00	0.790	0.46	0.00
10	679	30.80	576.0	3.200	0.00	0.790	0.46	0.00
11	680	30.80	1548.0	3.200	0.00	0.790	1.22	0.00
11	681	30.80	1548.0	3.200	0.00	0.790	1.22	0.00
11	682	30.80	1548.0	3.200	0.00	0.790	1.22	0.00
11	683	30.80	1548.0	3.200	0.00	0.790	1.22	0.00
11	684	30.80	1548.0	3.200	0.00	0.790	1.22	0.00
12	685	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	686	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	687	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	688	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	689	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	690	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	691	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	692	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	693	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	694	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	695	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	696	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	697	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	698	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	699	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	700	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	701	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
12	702	30.80	1667.0	3.200	0.00	0.790	1.32	0.00
13	703	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	704	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	705	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	706	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	707	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	708	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	709	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	710	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	711	30.80	5029.0	3.200	0.00	0.790	3.97	0.00

13	712	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	713	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	714	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	715	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	716	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	717	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	718	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	719	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	720	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	721	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	722	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	723	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	724	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	725	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	726	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	727	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	728	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	729	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	730	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	731	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	732	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	733	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	734	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	735	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	736	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	737	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	738	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	739	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	740	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	741	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	742	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	743	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	744	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	745	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	746	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	747	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	748	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	749	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	750	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	751	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	752	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	753	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	754	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	755	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	756	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	757	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	758	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	759	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	760	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	761	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	762	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	763	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	764	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	765	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	766	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	767	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	768	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	769	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	770	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	771	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	772	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	773	30.80	5029.0	3.200	0.00	0.790	3.97	0.00
13	774	30.80	5029.0	3.200	0.00	0.790	3.97	0.00

Subsegment totals:	2767.20	0.00

CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES EXPLICITLY MODELED:

Equation used: (Load, kg/day) = (Inflow rate, m3/sec) * (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 * 86400 sec/day

Values from LA-QUAL output:

Element number	Inflow rate (m3/sec)	CBODu conc. (mg/L)	Organic N conc. (mg/L)	Ammonia N conc. (mg/L)	NO2+NO3 N conc. (mg/L)	Name of discharge
46	0.01630	23.000	1.830	3.650	0.000	PS: Cullen WWTP
613	0.00410	23.000	1.670	3.330	0.000	PS: Dixie Inn
661	0.13400	11.500	0.670	1.330	0.000	PS: Minden WWTP

Calculated values:

Element number	CBODu load (kg/day)	Organic N load (kg/day)	Ammonia N load (kg/day)	NO2+NO3 N load (kg/day)
46	32.39	2.58	5.14	0.00
613	8.15	0.59	1.18	0.00
661	133.14	7.76	15.40	0.00
Subsegment total	173.68	10.93	21.72	-NaN

CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES NOT EXPLICITLY MODELED:

Equations used: Flow rate from TMDL calcs = Permit flow rate * 1.250 (to incorporate MOS and FG)
(Load, kg/day) = (Flow rate, MGD) * (Conc., mg/L) * 3.785 L/gal * 1.0E6 gal/MG * 1.0E-6 kg/mg

Assumptions: Ratio of CBODu to CBOD5 for point source dissharges = 2.3 (guidance from LTP).
For permits with BOD or ammonia limits, NO2+NO3 = 10 mg/L (drinking water criteria).
For permits with COD limits, assume that CBODu is about the same magnitude as COD and that discharges of nitrogen (organic, ammonia, and NO2+NO3) are negligible.

NPDES permit number	Outfall number	Permit flow rate (MGD)	Factor to incorporate MOS and FG into flow	Flow rate for TMDL calcs (MGD	Comments
LA0005312	002	0.392	1.250	0.490	Cotton Valley Refinery
LA0020401	001	0.150	1.250	0.188	Cotton Valley STP
LA0033227	001	1.500	1.250	1.875	Springhill STP
LA0104647	001	0.150	1.250	0.188	Sarepta STP
LAG541088	001	0.007	1.250	0.009	Minden Truck Center
LAG540265	001	0.005	1.250	0.006	Meadowbrook Home

LAG540507	001	0.019	1.250	0.024	Twin Oaks Subdivision
LAG540538	001	0.011	1.250	0.013	Oaktree Apartments
LAG540944	001	0.016	1.250	0.020	Mousers Home Place

User specified permit limits:

NPDES permit number	Outfall number	CBOD5 (mg/L)	COD (mg/L)	Ammonia (mg/L)	Comments
LA0005312	002	15.0	0.0	0.0	
LA0020401	001	10.0	0.0	3.3	
LA0033227	001	5.0	0.0	2.0	
LA0104647	001	10.0	0.0	0.0	
LAG541088	001	30.0	0.0	0.0	
LAG540265	001	30.0	0.0	0.0	
LAG540507	001	30.0	0.0	0.0	
LAG540538	001	30.0	0.0	0.0	
LAG540944	001	30.0	0.0	0.0	

Values for TMDL calculations:

NPDES permit number	Outfall number	CBODu (mg/L)	Organic N (mg/L)	Ammonia N (mg/L)	NO2+NO3 N (mg/L)	Comments
LA0005312	002	34.50	0.00	0.00	0.00	
LA0020401	001	23.00	6.66	3.33	0.00	
LA0033227	001	11.50	4.00	2.00	0.00	
LA0104647	001	23.00	0.00	0.00	0.00	
LAG541088	001	69.00	0.00	0.00	0.00	
LAG540265	001	69.00	0.00	0.00	0.00	
LAG540507	001	69.00	0.00	0.00	0.00	
LAG540538	001	69.00	0.00	0.00	0.00	
LAG540944	001	69.00	0.00	0.00	0.00	

Calculated loads:

NPDES permit number	Outfall number	CBODu (kg/day)	Organic N (kg/day)	AmmoniaN (kg.day)	NO2+NO3 N (kg.day)	Comments
LA0005312	002	63.99	0.00	0.00	0.00	
LA0020401	001	16.32	4.73	2.36	0.00	
LA0033227	001	81.61	28.39	14.19	0.00	
LA0104647	001	16.32	0.00	0.00	0.00	
LAG541088	001	2.35	0.00	0.00	0.00	
LAG540265	001	1.57	0.00	0.00	0.00	
LAG540507	001	6.27	0.00	0.00	0.00	
LAG540538	001	3.50	0.00	0.00	0.00	
LAG540944	001	5.29	0.00	0.00	0.00	
Subsegment total		197.22	33.11	16.56	0.00	

SUMMARY OF NONPOINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT:

Equations used: Organic N oxygen demand, kg/day = 4.3300 * Organic N load, kg/day of N
Ammonia N oxygen demand, kg/day = 4.3300 * Ammonia N load, kg/day of N

Margin of safety = 10.0% * nonpoint source load
Future Growth = 10.0% * nonpoint source load
Load Allocation = 80.0% * nonpoint source load

Values from calculations above

	SOD (kg/day)	CBODu (kg/day)	Nitrogen loads (kg/day of N): Organic (kg/day)	Ammonia (kg/day)	NO2+NO3 N (kg/day)
NPS inflows	N/A	8.53	2.85	0.36	-NaN
Mass LOads (data type 19)	N/A	6463.00	116.60	N/A	N/A
SOD and Benthic	2767.20	N/A	N/A	0.00	N/A

Calculated loads of oxygen demand:

	SOD (kg/day)	CBODu (kg/day)	Oygen demand loads: Organic (kg/day)	Ammonia (kg/day)	Total Oxygen demand (kg/day)
NPS inflows	N/A	8.53	12.34	1.56	22.43
Mass LOads (data type 19)	N/A	6463.00	504.88	N/A	6967.88
SOD and Benthic	2767.20	N/A	N/A	0.00	2767.20
Total for all NPS loads	2767.20	6471.53	517.22	1.56	9757.51
NPS future growth (10.0%)	276.72	647.15	51.72	0.16	975.75
NPS margin of safety (10.0%)	276.72	647.15	51.72	0.16	975.75
NPS load allocation (80.0%)	2213.76	5177.23	413.78	1.24	7806.01

SUMMARY OF POINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT

Equations used: Organic N oxygen demand, kg/day = 4.3300 * Organic N load, kg/day of N
Ammonia N oxygen demand, kg/day = 4.3300 * Ammonia N load, kg/day of N
Margin of Safety = 10.0% * point source load
Future Growth = 10.0% * nonpoint source load
Wasteload Allocation (WLA) for modeled point source = 80.0% * modeled load
Wasteload Allocation (WLA) for minor point sources = 80.0% * calculated load

Values from calculations above

	CBODu (kg/day)	Nitrogen loads (kg/day of N): Organic N (kg/day)	Ammonia N (kg/day)	NO3+NO2 (kg/day)
Modeled load for: PS: Cullen WWTP	32.39	2.58	5.14	0.00
Modeled load for: PS: Dixie Inn	8.15	0.59	1.18	0.00
Modeled load for: PS: Minden WWTP	133.14	7.76	15.40	0.00
Calculated load for minor point source	197.22	33.11	16.56	0.00

Calculated loads of oxygen demand

	CBODu (kg/day)	Oygen demand loads: Organic N (kg/day)	Ammonia N (kg/day)	Total Oxygen demand (kg/day)

Modeled load for: PS: Cullen WWTP		32.39	11.16	22.26	65.81
Modeled load for: PS: Dixie Inn		8.15	2.56	5.11	15.82
Modeled load for: PS: Minden WWTP		133.14	33.59	66.67	233.40
Calculated load for minor point source		197.22	143.38	71.69	412.29
Total for all point source loads		370.90	190.69	165.73	727.32
MOS for all point Sources	(10.0%)	37.09	19.07	16.57	72.73
FG for all point Sources	(10.0%)	37.09	19.07	16.57	72.73
WLA for: PS: Cullen WWTP	(80.0%)	25.91	8.93	17.81	52.65
WLA for: PS: Dixie Inn	(80.0%)	6.52	2.05	4.09	12.65
WLA for: PS: Minden WWTP	(80.0%)	106.51	26.87	53.34	186.72
WLA for minor point sources	(80.0%)	157.77	114.71	57.35	329.83

```
100501                  Subsegment number for this TMDL
"Bayou Dorcheat"        Subsegment name (max 50 chars)
"bdorwin2.out"           Name of LA-QUAL output file
13                      Total number of reaches in the model
100501                  Subsegment that reach 1 is in
100501                  Subsegment that reach 2 is in
100501                  Subsegment that reach 3 is in
100501                  Subsegment that reach 4 is in
100501                  Subsegment that reach 5 is in
100501                  Subsegment that reach 6 is in
100501                  Subsegment that reach 7 is in
100501                  Subsegment that reach 8 is in
100501                  Subsegment that reach 9 is in
100501                  Subsegment that reach 10 is in
100501                  Subsegment that reach 11 is in
100501                  Subsegment that reach 12 is in
100501                  Subsegment that reach 13 is in
10                      point source margin of safety (%)
10                      point source Future Growth (%)
10                      NPS margin of safety (%)
10                      NPS Future Growth (%)
4.33                    Ratio of oxygen demand to nitrogen
9                       Number of minor point sources
                        MINOR POINT SOURCE DISCHARGE #1:
"LA0005312"                NPDES permit number (9 chars)
"002"                      Outfall number (3 chars)
0.392                      Flow (MGD)
"Cotton Valley Refinery"   Comment for flow (max 40 chars)
15                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #2:
"LA0020401"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.15                       Flow (MGD)
"Cotton Valley STP"        Comment for flow (max 40 chars)
10                         CBOD5 or BOD5 permit limit
0                          COD permit limit
3.33                       Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #3:
"LA0033227"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
1.5                        Flow (MGD)
"Springhill STP"           Comment for flow (max 40 chars)
10                         CBOD5 or BOD5 permit limit
0                          COD permit limit
2                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                        MINOR POINT SOURCE DISCHARGE #4:
"LA0104647"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.15                       Flow (MGD)
"Sarepta STP"              Comment for flow (max 40 chars)
10                         CBOD5 or BOD5 permit limit
0                          COD permit limit
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0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                       MINOR POINT SOURCE DISCHARGE #5:
"LAG541088"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0072                     Flow (MGD)
"Minden Truck Center"      Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                       MINOR POINT SOURCE DISCHARGE #6:
"LAG540265"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0048                     Flow (MGD)
"Meadowbrook Home"         Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                      MINOR POINT SOURCE DISCHARGE #7:
"LAG540507"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0192                     Flow (MGD)
"Twin Oaks Subdivision"    Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
" "                        Comment for conc. limits (max 40 chars)
                     MINOR POINT SOURCE DISCHARGE #8:
"LAG540538"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.010717                   Flow (MGD)
"Oaktree Apartments"       Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
                     MINOR POINT SOURCE DISCHARGE #9:
"LAG540944"                NPDES permit number (9 chars)
"001"                      Outfall number (3 chars)
0.0162                     Flow (MGD)
"Mousers Home Place"       Comment for flow (max 40 chars)
30                         CBOD5 or BOD5 permit limit
0                          COD permit limit
0                          Ammonia N permit limit
""                         Comment for conc. limits (max 40 chars)
No                     Nutrient TMDL needed?
1.0                    Natural ratio of total N to total P
```

TMDL CALCULATIONS FOR SUBSEGMENT: 100501 Bayou Dorcheat
FTN ASSOCIATES, LTD.
Program:Pr20m6f

INFO FOR INPUT FILE WITH USER SPECIFIED DATA AND OPTIONS:
File name:tmdlbdw2.inp

INFO FOR LA-QUAL OUTPUT FILE:
File name:bdorwin2.out
Date/Time:Output produced at 14:36 on 02/08/2008
LA-QUAL Version 8.11

LIST OF ALL REACHES IN LA-QUAL OUTPUT FILE:

```
 Reach   1 (Elements    1 -  45) is in subsegment  100501 Bayou Dorcheat
 Reach   2 (Elements   46 -  80) is in subsegment  100501 Braley Creek
 Reach   3 (Elements   81 - 144) is in subsegment  100501 Bayou Dorcheat
 Reach   4 (Elements  145 - 207) is in subsegment  100501 Bayou Dorcheat
 Reach   5 (Elements  208 - 346) is in subsegment  100501 Bayou Dorcheat
 Reach   6 (Elements  347 - 475) is in subsegment  100501 Bayou Dorcheat
 Reach   7 (Elements  476 - 587) is in subsegment  100501 Bayou Dorcheat
 Reach   8 (Elements  588 - 660) is in subsegment  100501 Bayou Dorcheat
 Reach   9 (Elements  661 - 667) is in subsegment  100501 Ten Mile Creek
 Reach  10 (Elements  668 - 679) is in subsegment  100501 Ten Mile Creek
 Reach  11 (Elements  680 - 684) is in subsegment  100501 Ten Mile Creek
 Reach  12 (Elements  685 - 702) is in subsegment  100501 Ten Mile Creek
 Reach  13 (Elements  703 - 774) is in subsegment  100501 Bayou Dorcheat
```

CALCULATIONS FOR LOADS FROM NPS INFLOWS (HEADWATERS, TRIBUTARIES, AND INCREMENTAL INFLOW):

Equation used: (Load, kg/day) = (Inflow rate, m3/sec) * (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 * 86400 sec/day

Values from LA-QUAL output:

Reach or Element number	Inflow rate (m3/sec)	CBODu conc. (mg/L)	Organic N conc. (mg/L)	Ammonia N conc. (mg/L)	NO2+NO3 N conc. (mg/L)	Name of inflow
1	0.40000	2.92	0.92	0.13	0.00	Bayou Dorcheat
46	0.02800	8.25	0.94	0.13	0.00	Braley Creek
661	0.02800	8.25	0.94	0.13	0.00	Ten Mile Creek
51	0.00020	8.25	0.94	0.13	0.00	NPS: Braley Creek
176	0.00530	4.49	1.09	0.13	0.00	NPS: Indian Creek
305	0.00890	4.49	1.09	0.13	0.00	NPS: Black Bayou
390	0.01090	4.49	1.09	0.13	0.00	NPS: Flat Lick Bay

Calculated values:

Element number	CBODu load (kg/day)	Organic N load (kg/day)	Ammonia N load (kg/day)	NO2+NO3 N load (kg/day)
1	100.92	31.80	4.49	0.00
46	19.96	2.27	0.31	0.00
661	19.96	2.27	0.31	0.00
51	0.14	0.02	0.00	0.00
176	2.06	0.50	0.06	0.00
305	3.45	0.84	0.10	0.00
390	4.23	1.03	0.12	0.00

Subsegment totals: 13.05 38.73 5.39 -NaN

CALCULATIONS FOR NONPOINT SOURCE MASS LOADS IN DATA TYPE 19:

Values from LA-QUAL output:

Reach number	CBODu mass load (kg/day)	Organic N mass load (kg/day)
1	231.00	7.90
2	7.00	0.00
3	462.00	13.20
4	1716.00	33.00
5	2640.00	39.60
6	1320.00	19.80
7	924.00	15.20
8	924.00	17.20
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	1254.00	25.10
Subsegment totals	9478.00	171.00

CALCULATIONS FOR LOADS FROM SOD AND BENTHIC AMMONIA:

SOD temperature correction factor used in LA-QUAL model: 1.065 (default)

Equations used: SOD temp. corrected = (SOD at 20 C) * 1.065^(Water temp - 20 C)
SOD load = (SOD temp. corrected, g/m2/day) * (Surface area, m2) * 1.0E-3 kg/g
Benthic NH3-N load = (Benthic ammonia N, g/m2/day) * (Surface area, m2) * 1.0E-3 kg/g

		Values from LA-QUAL output:				Calculated values:		
Reach number	Element number	Water temp. (deg C)	Surface area (m2)	SOD at 20 C (g/m2/day)	Benthic ammonia N (g/m2/day)	SOD temp. corrected (g/m2/day)	SOD load (kg/day)	Benthic NH3-N load (kg/day)
1	1	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	2	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	3	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	4	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	5	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	6	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	7	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	8	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	9	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	10	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	11	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	12	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	13	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	14	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	15	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	16	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	17	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	18	19.60	2530.0	2.320	0.00	2.320	5.87	0.00

1	19	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	20	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	21	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	22	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	23	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	24	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	25	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	26	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	27	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	28	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	29	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	30	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	31	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	32	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	33	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	34	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	35	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	36	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	37	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	38	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	39	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	40	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	41	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	42	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	43	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	44	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
1	45	19.60	2530.0	2.320	0.00	2.320	5.87	0.00
2	46	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	47	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	48	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	49	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	50	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	51	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	52	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	53	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	54	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	55	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	56	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	57	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	58	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	59	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	60	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	61	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	62	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	63	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	64	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	65	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	66	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	67	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	68	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	69	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	70	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	71	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	72	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	73	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	74	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	75	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	76	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	77	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	78	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	79	19.60	318.0	2.320	0.00	0.320	0.10	0.00
2	80	19.60	318.0	2.320	0.00	0.320	0.10	0.00
3	81	19.60	2530.0	2.320	0.00	1.610	4.07	0.00

3	82	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	83	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	84	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	85	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	86	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	87	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	88	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	89	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	90	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	91	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	92	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	93	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	94	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	95	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	96	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	97	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	98	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	99	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	100	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	101	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	102	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	103	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	104	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	105	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	106	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	107	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	108	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	109	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	110	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	111	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	112	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	113	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	114	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	115	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	116	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	117	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	118	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	119	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	120	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	121	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	122	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	123	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	124	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	125	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	126	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	127	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	128	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	129	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	130	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	131	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	132	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	133	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	134	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	135	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	136	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	137	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	138	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	139	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	140	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	141	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	142	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	143	19.60	2530.0	2.320	0.00	1.610	4.07	0.00
3	144	19.60	2530.0	2.320	0.00	1.610	4.07	0.00

4	145	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	146	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	147	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	148	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	149	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	150	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	151	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	152	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	153	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	154	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	155	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	156	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	157	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	158	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	159	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	160	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	161	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	162	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	163	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	164	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	165	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	166	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	167	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	168	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	169	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	170	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	171	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	172	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	173	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	174	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	175	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	176	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	177	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	178	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	179	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	180	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	181	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	182	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	183	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	184	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	185	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	186	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	187	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	188	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	189	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	190	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	191	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	192	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	193	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	194	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	195	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	196	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	197	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	198	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	199	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	200	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	201	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	202	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	203	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	204	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	205	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	206	19.60	6522.0	2.320	0.00	1.160	7.57	0.00
4	207	19.60	6522.0	2.320	0.00	1.160	7.57	0.00

5	208	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	209	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	210	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	211	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	212	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	213	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	214	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	215	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	216	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	217	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	218	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	219	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	220	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	221	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	222	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	223	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	224	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	225	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	226	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	227	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	228	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	229	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	230	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	231	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	232	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	233	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	234	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	235	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	236	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	237	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	238	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	239	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	240	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	241	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	242	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	243	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	244	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	245	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	246	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	247	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	248	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	249	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	250	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	251	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	252	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	253	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	254	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	255	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	256	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	257	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	258	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	259	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	260	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	261	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	262	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	263	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	264	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	265	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	266	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	267	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	268	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	269	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	270	19.60	3596.0	2.320	0.00	0.420	1.51	0.00

5	271	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	272	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	273	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	274	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	275	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	276	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	277	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	278	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	279	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	280	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	281	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	282	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	283	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	284	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	285	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	286	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	287	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	288	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	289	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	290	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	291	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	292	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	293	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	294	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	295	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	296	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	297	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	298	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	299	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	300	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	301	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	302	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	303	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	304	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	305	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	306	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	307	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	308	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	309	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	310	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	311	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	312	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	313	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	314	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	315	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	316	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	317	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	318	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	319	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	320	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	321	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	322	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	323	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	324	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	325	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	326	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	327	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	328	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	329	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	330	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	331	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	332	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	333	19.60	3596.0	2.320	0.00	0.420	1.51	0.00

5	334	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	335	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	336	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	337	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	338	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	339	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	340	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	341	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	342	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	343	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	344	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	345	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
5	346	19.60	3596.0	2.320	0.00	0.420	1.51	0.00
6	347	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	348	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	349	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	350	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	351	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	352	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	353	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	354	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	355	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	356	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	357	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	358	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	359	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	360	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	361	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	362	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	363	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	364	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	365	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	366	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	367	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	368	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	369	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	370	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	371	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	372	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	373	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	374	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	375	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	376	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	377	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	378	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	379	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	380	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	381	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	382	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	383	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	384	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	385	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	386	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	387	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	388	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	389	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	390	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	391	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	392	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	393	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	394	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	395	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	396	19.60	2042.0	2.320	0.00	0.320	0.65	0.00

6	397	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	398	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	399	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	400	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	401	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	402	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	403	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	404	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	405	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	406	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	407	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	408	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	409	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	410	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	411	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	412	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	413	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	414	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	415	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	416	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	417	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	418	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	419	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	420	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	421	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	422	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	423	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	424	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	425	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	426	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	427	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	428	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	429	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	430	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	431	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	432	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	433	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	434	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	435	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	436	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	437	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	438	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	439	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	440	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	441	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	442	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	443	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	444	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	445	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	446	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	447	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	448	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	449	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	450	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	451	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	452	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	453	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	454	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	455	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	456	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	457	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	458	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	459	19.60	2042.0	2.320	0.00	0.320	0.65	0.00

6	460	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	461	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	462	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	463	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	464	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	465	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	466	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	467	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	468	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	469	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	470	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	471	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	472	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	473	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	474	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
6	475	19.60	2042.0	2.320	0.00	0.320	0.65	0.00
7	476	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	477	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	478	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	479	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	480	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	481	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	482	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	483	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	484	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	485	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	486	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	487	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	488	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	489	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	490	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	491	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	492	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	493	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	494	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	495	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	496	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	497	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	498	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	499	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	500	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	501	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	502	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	503	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	504	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	505	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	506	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	507	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	508	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	509	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	510	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	511	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	512	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	513	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	514	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	515	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	516	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	517	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	518	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	519	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	520	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	521	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	522	19.60	1829.0	2.320	0.00	0.320	0.59	0.00

7	523	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	524	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	525	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	526	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	527	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	528	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	529	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	530	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	531	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	532	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	533	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	534	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	535	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	536	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	537	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	538	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	539	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	540	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	541	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	542	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	543	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	544	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	545	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	546	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	547	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	548	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	549	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	550	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	551	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	552	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	553	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	554	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	555	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	556	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	557	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	558	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	559	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	560	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	561	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	562	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	563	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	564	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	565	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	566	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	567	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	568	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	569	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	570	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	571	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	572	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	573	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	574	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	575	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	576	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	577	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	578	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	579	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	580	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	581	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	582	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	583	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	584	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	585	19.60	1829.0	2.320	0.00	0.320	0.59	0.00

7	586	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
7	587	19.60	1829.0	2.320	0.00	0.320	0.59	0.00
8	588	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	589	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	590	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	591	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	592	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	593	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	594	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	595	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	596	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	597	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	598	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	599	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	600	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	601	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	602	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	603	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	604	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	605	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	606	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	607	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	608	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	609	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	610	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	611	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	612	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	613	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	614	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	615	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	616	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	617	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	618	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	619	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	620	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	621	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	622	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	623	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	624	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	625	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	626	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	627	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	628	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	629	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	630	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	631	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	632	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	633	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	634	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	635	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	636	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	637	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	638	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	639	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	640	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	641	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	642	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	643	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	644	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	645	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	646	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	647	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	648	19.60	3383.0	2.320	0.00	0.840	2.84	0.00

8	649	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	650	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	651	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	652	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	653	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	654	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	655	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	656	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	657	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	658	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	659	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
8	660	19.60	3383.0	2.320	0.00	0.840	2.84	0.00
9	661	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	662	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	663	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	664	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	665	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	666	19.60	539.0	2.320	0.00	0.250	0.13	0.00
9	667	19.60	539.0	2.320	0.00	0.250	0.13	0.00
10	668	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	669	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	670	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	671	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	672	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	673	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	674	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	675	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	676	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	677	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	678	19.60	576.0	2.320	0.00	0.250	0.14	0.00
10	679	19.60	576.0	2.320	0.00	0.250	0.14	0.00
11	680	19.60	1548.0	2.320	0.00	0.250	0.39	0.00
11	681	19.60	1548.0	2.320	0.00	0.250	0.39	0.00
11	682	19.60	1548.0	2.320	0.00	0.250	0.39	0.00
11	683	19.60	1548.0	2.320	0.00	0.250	0.39	0.00
11	684	19.60	1548.0	2.320	0.00	0.250	0.39	0.00
12	685	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	686	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	687	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	688	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	689	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	690	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	691	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	692	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	693	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	694	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	695	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	696	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	697	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	698	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	699	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	700	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	701	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
12	702	19.60	1667.0	2.320	0.00	0.250	0.42	0.00
13	703	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	704	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	705	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	706	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	707	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	708	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	709	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	710	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	711	19.60	5029.0	2.320	0.00	0.320	1.61	0.00

13	712	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	713	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	714	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	715	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	716	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	717	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	718	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	719	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	720	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	721	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	722	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	723	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	724	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	725	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	726	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	727	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	728	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	729	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	730	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	731	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	732	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	733	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	734	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	735	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	736	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	737	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	738	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	739	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	740	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	741	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	742	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	743	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	744	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	745	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	746	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	747	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	748	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	749	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	750	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	751	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	752	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	753	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	754	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	755	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	756	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	757	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	758	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	759	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	760	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	761	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	762	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	763	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	764	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	765	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	766	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	767	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	768	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	769	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	770	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	771	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	772	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	773	19.60	5029.0	2.320	0.00	0.320	1.61	0.00
13	774	19.60	5029.0	2.320	0.00	0.320	1.61	0.00

Subsegment totals:	1700.21	0.00

CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES EXPLICITLY MODELED:

Equation used: (Load, kg/day) = (Inflow rate, m3/sec) * (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 * 86400 sec/day

Values from LA-QUAL output:

Element number	Inflow rate (m3/sec)	CBODu conc. (mg/L)	Organic N conc. (mg/L)	Ammonia N conc. (mg/L)	NO2+NO3 N conc. (mg/L)	Name of discharge
46	0.01630	23.000	1.830	3.650	0.000	PS: Cullen WWTP
613	0.00410	23.000	1.670	3.330	0.000	PS: Dixie Inn
661	0.13400	23.000	1.670	3.330	0.000	PS: Minden WWTP

Calculated values:

Element number	CBODu load (kg/day)	Organic N load (kg/day)	Ammonia N load (kg/day)	NO2+NO3 N load (kg/day)
46	32.39	2.58	5.14	0.00
613	8.15	0.59	1.18	0.00
661	266.28	19.33	38.55	0.00
Subsegment total	306.82	22.50	44.87	-NaN

CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES NOT EXPLICITLY MODELED:

Equations used: Flow rate from TMDL calcs = Permit flow rate * 1.250 (to incorporate MOS and FG)
(Load, kg/day) = (Flow rate, MGD) * (Conc., mg/L) * 3.785 L/gal * 1.0E6 gal/MG * 1.0E-6 kg/mg

Assumptions: Ratio of CBODu to CBOD5 for point source dissharges = 2.3 (guidance from LTP).
For permits with BOD or ammonia limits, NO2+NO3 = 10 mg/L (drinking water criteria).
For permits with COD limits, assume that CBODu is about the same magnitude as COD and that discharges of nitrogen (organic, ammonia, and NO2+NO3) are negligible.

NPDES permit number	Outfall number	Permit flow rate (MGD)	Factor to incorporate MOS and FG into flow	Flow rate for TMDL calcs (MGD	Comments
LA0005312	002	0.392	1.250	0.490	Cotton Valley Refinery
LA0020401	001	0.150	1.250	0.188	Cotton Valley STP
LA0033227	001	1.500	1.250	1.875	Springhill STP
LA0104647	001	0.150	1.250	0.188	Sarepta STP
LAG541088	001	0.007	1.250	0.009	Minden Truck Center
LAG540265	001	0.005	1.250	0.006	Meadowbrook Home

LAG540507	001	0.019	1.250	0.024	Twin Oaks Subdivision
LAG540538	001	0.011	1.250	0.013	Oaktree Apartments
LAG540944	001	0.016	1.250	0.020	Mousers Home Place

User specified permit limits:

NPDES permit number	Outfall number	CBOD5 (mg/L)	COD (mg/L)	Ammonia (mg/L)	Comments
LA0005312	002	15.0	0.0	0.0	
LA0020401	001	10.0	0.0	3.3	
LA0033227	001	10.0	0.0	2.0	
LA0104647	001	10.0	0.0	0.0	
LAG541088	001	30.0	0.0	0.0	
LAG540265	001	30.0	0.0	0.0	
LAG540507	001	30.0	0.0	0.0	
LAG540538	001	30.0	0.0	0.0	
LAG540944	001	30.0	0.0	0.0	

Values for TMDL calculations:

NPDES permit number	Outfall number	CBODu (mg/L)	Organic N (mg/L)	Ammonia N (mg/L)	NO2+NO3 N (mg/L)	Comments
LA0005312	002	34.50	0.00	0.00	0.00	
LA0020401	001	23.00	6.66	3.33	0.00	
LA0033227	001	23.00	4.00	2.00	0.00	
LA0104647	001	23.00	0.00	0.00	0.00	
LAG541088	001	69.00	0.00	0.00	0.00	
LAG540265	001	69.00	0.00	0.00	0.00	
LAG540507	001	69.00	0.00	0.00	0.00	
LAG540538	001	69.00	0.00	0.00	0.00	
LAG540944	001	69.00	0.00	0.00	0.00	

Calculated loads:

NPDES permit number	Outfall number	CBODu (kg/day)	Organic N (kg/day)	AmmoniaN (kg.day)	NO2+NO3 N (kg.day)	Comments
LA0005312	002	63.99	0.00	0.00	0.00	
LA0020401	001	16.32	4.73	2.36	0.00	
LA0033227	001	163.23	28.39	14.19	0.00	
LA0104647	001	16.32	0.00	0.00	0.00	
LAG541088	001	2.35	0.00	0.00	0.00	
LAG540265	001	1.57	0.00	0.00	0.00	
LAG540507	001	6.27	0.00	0.00	0.00	
LAG540538	001	3.50	0.00	0.00	0.00	
LAG540944	001	5.29	0.00	0.00	0.00	
Subsegment total		278.83	33.11	16.56	0.00	

SUMMARY OF NONPOINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT:

Equations used: Organic N oxygen demand, kg/day = 4.3300 * Organic N load, kg/day of N
Ammonia N oxygen demand, kg/day = 4.3300 * Ammonia N load, kg/day of N

Margin of safety = 10.0% * nonpoint source load
Future Growth = 10.0% * nonpoint source load
Load Allocation = 80.0% * nonpoint source load

Values from calculations above

	SOD (kg/day)	CBODu (kg/day)	Nitrogen loads (kg/day of N): Organic (kg/day)	Ammonia (kg/day)	NO2+NO3 N (kg/day)
NPS inflows	N/A	13.05	38.73	5.39	-NaN
Mass LOads (data type 19)	N/A	9478.00	171.00	N/A	N/A
SOD and Benthic	1700.21	N/A	N/A	0.00	N/A

Calculated loads of oxygen demand:

	SOD (kg/day)	CBODu (kg/day)	Oygen demand loads: Organic (kg/day)	Ammonia (kg/day)	Total Oxygen demand (kg/day)
NPS inflows	N/A	13.05	167.70	23.34	204.09
Mass LOads (data type 19)	N/A	9478.00	740.43	N/A	10218.43
SOD and Benthic	1700.21	N/A	N/A	0.00	1700.21
Total for all NPS loads	1700.21	9491.05	908.13	23.34	12122.73
NPS future growth (10.0%)	170.02	949.10	90.81	2.33	1212.27
NPS margin of safety (10.0%)	170.02	949.10	90.81	2.33	1212.27
NPS load allocation (80.0%)	1360.17	7592.85	726.51	18.68	9698.19

SUMMARY OF POINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT

Equations used: Organic N oxygen demand, kg/day = 4.3300 * Organic N load, kg/day of N
Ammonia N oxygen demand, kg/day = 4.3300 * Ammonia N load, kg/day of N
Margin of Safety = 10.0% * point source load
Future Growth = 10.0% * nonpoint source load
Wasteload Allocation (WLA) for modeled point source = 80.0% * modeled load
Wasteload Allocation (WLA) for minor point sources = 80.0% * calculated load

Values from calculations above

	CBODu (kg/day)	Nitrogen loads (kg/day of N): Organic N (kg/day)	Ammonia N (kg/day)	NO3+NO2 (kg/day)
Modeled load for: PS: Cullen WWTP	32.39	2.58	5.14	0.00
Modeled load for: PS: Dixie Inn	8.15	0.59	1.18	0.00
Modeled load for: PS: Minden WWTP	266.28	19.33	38.55	0.00
Calculated load for minor point source	278.83	33.11	16.56	0.00

Calculated loads of oxygen demand

	CBODu (kg/day)	Oygen demand loads: Organic N (kg/day)	Ammonia N (kg/day)	Total Oxygen demand (kg/day)

Modeled load for: PS: Cullen WWTP		32.39	11.16	22.26	65.81
Modeled load for: PS: Dixie Inn		8.15	2.56	5.11	15.82
Modeled load for: PS: Minden WWTP		266.28	83.72	166.94	516.94
Calculated load for minor point source		278.83	143.38	71.69	493.91
Total for all point source loads		585.66	240.82	265.99	1092.47
MOS for all point Sources	(10.0%)	58.57	24.08	26.60	109.25
FG for all point Sources	(10.0%)	58.57	24.08	26.60	109.25
WLA for: PS: Cullen WWTP	(80.0%)	25.91	8.93	17.81	52.65
WLA for: PS: Dixie Inn	(80.0%)	6.52	2.05	4.09	12.65
WLA for: PS: Minden WWTP	(80.0%)	213.03	66.98	133.55	413.55
WLA for minor point sources	(80.0%)	223.07	114.71	57.35	395.13

APPENDIX N

Source Code for TMDL Calculation Program

```
        program pr20m6f
C**** For this prograqm to work the echo of the input and final report must be turned
on:
C     1) The echo of the input provides MAJORITY of the ionformation for the
calcuations,
C     2) The Hydralic, SOD, and NH3Sr data (needed for surface area for the SOD) are
found
C        in the final report reach summary.

C     Printing:
C     This is printed in MSWord or VSlick by setting the left and right margins to 0.3
and 0.38
C     and setting the font to Courier New 9 pt normal text.

C     This program is specifcally formated for LA-QUAL 8.11.


C***********************************Search program (part
1)*****************************************
C This whole program is written by Richard R. Bennett on 9/20/07 for LA-QUAL version 8.0
C Every variable is used in this program except

       INTEGER imp,i,a,c,d,e,f,g,h,j,k,l,m,n,o,q,k1
       Character*132 line,stream_id
       Character*8 target
       character*21 target2
       character*15 target3
       character*16 target3b,target5b,target5c,target6,t
     &arget7,target8,target9,target10
       character*36 target4


C**********All arrays are entered in the order in which they occurr in the program
C**************Input REAL arrays

      integer total_elem, elem, cir
      integer incr_reach(1:999)
       REAL SOD_temp_cor(1:999),C2_NH3SR(1:999),
     &incr2_CBODu_con(1:999),incr2_Org_N_con(1:999), incr2_Amm_N_con(1:
     &999),incr2_Nitrate_con(1:999), NP_BOD(1:999),NP_ORG(1:999),
     & HDWT1_Flow(1:999),incr_flow(1:999)
       INTEGER HDWT1_elem(1:999)
       REAL WSTLD_Flow(1:999)
       INTEGER Elem_end(1:999),Elem_begin(1:999)
       character NPS_wstld_name(1:999)*25,PS_Wstld_name(1:999)*20
       REAL WSTLD2_BOD(1:999),WSTLD2_ORG(1:999),WSTLD2
     &_NH3(1:999), WSTLD2_NO3(1:999)
       REAL nps_WSTLD_Flow(1:999)
       INTEGER nps_elem_wstld(1:999)
       REAL NPS_WSTLD2_BOD(1:999),NPS_WSTLD2_ORG(1:999),NPS_WSTLD2
     &_NH3(1:999),NPS_WSTLD2_NO3(1:999)
       REAL PS_WSTLD_Flow(1:999)
       INTEGER ps_elem_wstld(1:999)
       REAL ps_WSTLD2_BOD(1:999),ps_WSTLD2_ORG(1:999),ps_WSTLD2
     &_NH3(1:999),ps_WSTLD2_NO3(1:999)
       INTEGER NP_reach(1:999),elem_wstld(1:999),num,num_pt_sour
       real ps_mos,ps_mos_per,nps_mos,nps_mos_per
       real ps_FG,ps_FG_per,nps_FG,nps_FG_per
       Real Temp(1:999),S_area_int(1:1000)
       integer elem_col_int
       character source_type(1:999)*3,reach_name(1:999)*15,wstld_name(1:
     &100)*20, hdwt1_name(1:999)*25,reach_subseg_num(1:999)*20,
     &permit_number(1:999)*20,outfall_num(1:999)*20,comment(1:999)*40,
```

```
     &comment_con(1:999)*40,nut_tmdl_need*4
       Real perm_flow(1:999),CBOD5_Perm(1:999), cod_perm(1:999),ammon_pe
     &rm(1:999),nat_rat,ammoxy_rat
       real HDWT2_BOD_con(1:999),HDWT2_ORG_con(1:999), HDWT2_NH3_con(1:1
     &00), HDWT2_NO3_con(1:999)
       real incr_outflow(1:999),incr_inflow(1:999)

C****************Character Search Strings
      target = 'CNTROL04'
      target2= 'THETA        BENTHAL'
      target3= '$$$ DATA TYPE 8'  ! Reach ID data
      target3b='$$$ DATA TYPE 11' ! Reach Initial conditions (need temps)
      target4= 'BIOLOGICAL AND PHYSICAL COEFFICIENTS' ! SOD and NH3Sr rates (Final
Report)
      target5b= '$$$ DATA TYPE 16'  ! Incrmental flows
      target5c= '$$$ DATA TYPE 17'  ! Incrmental WQ
      target6= '$$$ DATA TYPE 19'   ! Mass laods
      target7= '$$$ DATA TYPE 20'   ! Headwater flows
      Target8= '$$$ DATA TYPE 21'   ! Headwater WQ
      Target9= '$$$ DATA TYPE 24'   ! Wasteload flows
      target10= '$$$ DATA TYPE 25'  ! Wastelaod WQ

C****************Array counterrs
      num=0
      num_incr=0
      num_hdwt=0
      num_wstld=0
      nps_num_wstld=0
      ps_num_wstld=0
      a=0
      cir=0
      c=0
      d=0
      e=0
      f=0
      g=0
      h=0
      j=0
      k=0
      k1=0
      l=0
      m=0
      nps=1
      ps=1
      n=0
      o=0
      q=0


      Character*70 userFilename,Laqualfilename,subsegname,subsegnumber,
     &pertime,LAQUAL_version,laqualfileoutput

      print*,'Enter user input filename: ' ! this is the TMDL program input file
      read*,userfilename                   ! it is NOT hte LA-QUAL file!!!!

      imp=1000000


C*Read input file
      OPEN(UNIT=12, FILE=userfilename, STATUS='OLD') ! input file
      Open (unit=11, FILE='tmdl-res.txt', Status='UNKNOWN')  ! output file
c      OPEN (UNIT=13, FILE='inter-res.txt', Status='UNKNOWN') ! debugging file
      REad(12,*)subsegnumber  ! subsegment number
```

```
      REad(12,*)subsegname    ! subsegment name
      read(12,*)laqualfileoutput ! LA-QUAL output file
      read(12,*)usernum          ! number of reaches in output file
      do 10 I=1,usernum          ! read subsegment number for each reach loop
10       read(12,*)reach_subseg_num(I)
      read(12,*)ps_mos_per  ! point source MOS in percent
      read(12,*)ps_FG_per   ! point source FG in percent
      read(12,*)nps_mos_per  ! nonpoint source MOS in percent
      read(12,*)nps_FG_per   ! nonpoint source FG in percent
      READ(12,*)ammoxy_rat   ! ammonia oxidation rate
      read(12,*)num_pt_sour  ! number of point sources in input file
      do 20 I=1,num_pt_sour  ! read point source data loop
         read(12,*)
         read(12,*)permit_number(I) ! permit number
         read(12,*)outfall_num(I)   ! outfall number
         read(12,*)perm_flow(I)     ! permit flow (MGD)
         read(12,*)comment(I)       ! comment (usually facility name)
         read(12,*)cbod5_perm(I)    ! CBOD5 or BOD5 permit conc in mg/L
         read(12,*)COD_perm(I)      ! COD permit conc in mg/L
         read(12,*)ammon_perm(I)    ! ammonia permit conc in mg/L
         read(12,*)comment_con(I)   ! comment for concentration
20    continue
      read(12,*)nut_tmdl_need       ! is a nutrietn TMDL needed?
      read(12,*) nat_rat            ! ratio of natural nitrogen to phosphorus

      ps_mos=ps_mos_per/100.000
      ps_FG=ps_FG_per/100.000
      nps_mos=nps_mos_per/100.000
      nps_FG=nps_FG_per/100.000

      laqualfilename=laqualfileoutput
      OPEN(UNIT=10, FILE=Laqualfilename, STATUS='OLD') ! this is teh LA-QUAL output file

1030  FORMAT(A35,3X,A25)
      DO 100 i=1,imp
      READ(10,'(A132)') line

C***********Are we at the end of the file?
      if(line(11:29).EQ.'EXECUTION COMPLETED')GO TO 900


C************ read LA-QUAL version
      if (i .EQ. 1) then
          read (line(1:32),'(A32)') LAQUAL_version
      end if

C**********when was the LA-QUAL file made and metric units
      if (line (1:6) .EQ. 'Output') then
         read(line(1:38),'(A38)') pertime
      else IF (line(1:8).EQ. target) then
1020     FORMAT (A35,3X,A10,3X,A10)

C***********Look for theta Benthal
         else IF (line(1:21).EQ. target2) then
1040        Format (A36,5X,A40)

C***********Data T8,Count number of reaches
         else IF (line (1:15) .EQ. target3) then
            Read (10,*)
            Read (10,*)
            Read (10,*)
            Read (10,*)
105         Read (10, '(A132)') stream_id
```

```
            if (stream_id(1:8).EQ. 'REACH ID')then
              num=num+1
              read(stream_ID(23:48),'(A15)')reach_name(num)
C              read(stream_ID(109:111),)elem_begin(num)
C              read(stream_ID(116:118),)elem_end(num)
              read(stream_ID(109:111),'(I3)') elem_begin(num)
              read(stream_ID(116:118),'(I3)') elem_end(num)
              total_elem=elem_end(num)
              go to 105
            end if

C**********Data T11, read temp
      else IF (line (1:16).EQ. target3b) then
            READ (10,*)
            READ (10,*)
            READ (10,*)
107         READ (10,'(A132)') stream_id
            if (stream_id(1:7) .EQ. 'INITIAL') then
               q=q+1
               READ(stream_id(32:36),'(F5.0)') temp(q)
               go to 107
               end if

C**********FINAL REPORT,(read COEF-1 Bckgrd SOD and NH3SR)
      else IF (line (49:84) .EQ. target4) then
            Read (10,*)
            Read (10,*)
            Read (10,*)
            Read (10,*)
            Read (10,*)
110         Read (10, '(A132)') stream_id
            if (stream_id(1:7).NE. ' ') then
               a=a+1
               READ(Stream_id(1:4),'(I4)')elem
               READ(stream_id(68:73),'(F7.0)') SOD_temp_cor(elem)
               READ(Stream_id(106:111),'(F6.0)') C2_NH3SR(elem)
c               elem is used to put them in numerical order, NOT
c               in the order they are read from the LA_QUAL file!
c               (this only comes into play for branched models)
1060        FORMAT (A35,5X,A10,5X,A10)
            GO TO 110
            end if

C***********Data Type (incremenatal flow data part1)
       else if (line(1:16) .EQ. target5b) then
            read(10,*)
            read(10,*)
            read(10,*)
117         read(10,'(A132)')stream_id
            if (stream_id(1:6) .EQ. 'INCR-1') then
                num_incr=num_incr+1
                read(stream_id(17:19),'(I3)') incr_reach(num_incr)
                read(stream_id(32:38),'(F7.0)') incr_outflow(num_incr)
                read(stream_id(44:50),'(F7.0)') incr_inflow(num_incr)
                incr_flow(num_incr) = abs(incr_inflow(num_incr))-abs(inc
     &r_outflow(num_incr))
            go to 117
            end if

C**********Data Tyoe (incremental flow part 2)
       else if (line(1:16) .EQ. target5c) then
            num_incr=0
            read(10,*)
```

```
            read(10,*)
            read(10,*)
118          read(10,'(A132)')stream_id
            if (stream_id(1:6) .EQ. 'INCR-2') then
            num_incr=num_incr+1
            read(stream_id(37:46),'(F10.0)') incr2_CBODu_con(num_incr)
            read(stream_id(47:56),'(F10.0)') incr2_Org_N_con(num_incr)
            read(stream_id(57:66),'(F10.0)') incr2_Amm_N_con(num_incr)
            read(stream_id(67:76),'(F10.0)') incr2_Nitrate_con(num_incr)
            go to 118
            end if

C***********Data T19(reads BOD and ORG-N)
       else IF (line (1:16) .EQ. target6) then
            Read (10,*)
            Read (10,*)
            READ (10,*)
120         Read (10, '(A132)') stream_id
            if (stream_id(1:8).EQ. 'NONPOINT') then
               c=c+1
               d=d+1
               read(stream_ID(17:19),'(I3)')NP_reach(c)
               READ(stream_id(28:36),'(F9.0)')NP_BOD(c)
               READ(stream_id(38:46),'(F9.0)')NP_ORG(d)
1080        Format (A35,5X,A10,2X,A10,2X,A10)
            GO TO 120
            end if

C**********DATA T20(reads flow for HDWTR-1)
         else IF (line (1:16) .EQ. target7) then
            Read (10,*)
            READ (10,*)
            Read (10,*)
            REad (10,*)
125         Read (10, '(A132)') stream_id
            if (stream_id(1:7).EQ. 'HDWTR-1') then
               num_hdwt=num_HDwt+1
               e=e+1
               Read(stream_id(17:19),'(I3)')HDWT1_elem(e)
               read(stream_id(25:44),'(A20)')hdwt1_name(e)
               READ(stream_id(53:59),'(F7.0)') HDWT1_Flow(e)
               GO TO 125
            end if

C**********DATA T21(read BOD,ORG-N,NH3,NO3+2 for HDWTR-2)
         else IF (line (1:16) .EQ. target8) then
            Read (10,*)
            Read (10,*)
            READ (10,*)
            Read (10,*)
130         Read (10, '(A132)') stream_id
            if (stream_id(1:7).EQ. 'HDWTR-2') then
            f=f+1
            g=g+1
            h=h+1
            j=j+1
            READ(stream_id(58:66),'(F9.0)') HDWT2_BOD_con(f)
            READ(stream_id(68:76),'(F9.0)') HDWT2_ORG_con(g)
            READ(stream_id(78:86),'(F9.0)') HDWT2_NH3_con(h)
            READ(stream_id(88:96),'(F9.0)') HDWT2_NO3_con(j)
1090        Format (A35,5X,A5,5X,A5,5X,A5,5X,A5)
            GO TO 130
            end if
```

```
C**********DATA T24(flow for WSTLD-1)
          ps=1
          nps=1
          else IF (line (1:16) .EQ. target9) then
            Read (10,*)
             Read (10,*)
            Read (10,*)
            READ (10,*)
135         Read (10, '(A132)') stream_id
            if (stream_id(1:7).EQ. 'WSTLD-1') then
               num_wstld=num_wstld+1
               k=k+1
               READ(stream_id(52:59),'(F8.0)')WSTLD_Flow(k)
               read(stream_id(13:16),'(I4)')elem_wstld(k)
               read(stream_id(30:47),'(A18)')wstld_name(k)
               if (stream_id(30:32).EQ.'NPS') then !
                  nps_num_wstld=nps_num_wstld+1
                  NPS_wstld_name(nps) = wstld_name(K)
                  NPS_elem_wstld(nps) = elem_wstld(K)
                  NPS_wstld_flow(nps) = wstld_flow(K)
                  nps=nps+1
               else
                    ps_num_wstld=ps_num_wstld+1
                    PS_wstld_name(ps) = wstld_name(K)
                    PS_elem_wstld(ps) = elem_wstld(K)
                    PS_wstld_flow(ps) = wstld_flow(K)
                    ps=ps+1
c                   this loop and if statement is used to separate
c                   point and nonpoint wastelaods
               end if
            GO TO 135
            end if

C**********DATA T25(BOD,ORG-N,NH3,NO3+2) for WSTLD-2
      ps=1
      nps=1
         else IF (line (1:16) .EQ. target10) then
            Read (10,*)
            Read (10,*)
            READ (10,*)
            READ (10,*)
140         Read (10, '(A132)') stream_id
            if (stream_id(1:7).EQ. 'WSTLD-2') then
            l=l+1
            m=m+1
            n=n+1
            o=o+1
            k1=k1+1
            READ(stream_id(25:27),'(A3)')source_type(k1)
            READ(stream_id(57:66),'(F10.0)')WSTLD2_BOD(l)
            READ(stream_id(77:86),'(F10.0)')WSTLD2_ORG(m)
            READ(stream_id(87:96),'(F10.0)')WSTLD2_NH3(n)
            READ(stream_id(107:116),'(F10.0)')WSTLD2_NO3(o)
            if (source_type(K1).EQ.'NPS') then
                  nps_wstld2_bod(nps) = wstld2_bod(l)
                  nps_wstld2_org(nps) = wstld2_org(m)
                  nps_wstld2_nh3(nps) = WSTLD2_NH3(N)
                  nps_wstld2_no3(nps) = wstld2_no3(o)
                  nps=nps+1
               else
                  ps_wstld2_bod(ps) = wstld2_bod(l)
                  ps_wstld2_org(ps) = wstld2_org(m)
```

```
                  ps_wstld2_nh3(ps) = WSTLD2_NH3(N)
                  ps_wstld2_no3(ps) = wstld2_no3(o)
                  ps=ps+1
                 end if
c must have blank space after else or the else will only apply to the first statement
and NOT
c to all of them

1095        Format (A35,6X,A5,2X,A5,2X,A5,2X,A5,2X,A5)
            GO TO 140
            end if

C*************FINAL REPORT, hydrualic parameter
        else IF (line (1:62) .EQ. ' ************************************
     &*************** HYDRAULIC') then
             Read (10,*)
             READ (10,*)
             READ (10,*)
             READ (10,*)
             READ (10,*)
145          Read (10, '(A132)') stream_id
             if (stream_id(3:5).NE. '   ') then
c               p=p+1
C* these numbers are NOT in numerical order, they are in Branch (ie model layout) order
               read(stream_id(3:5),'(I3)')elem_col_int
               READ(stream_id(84:94),'(F11.0)')S_Area_int(elem_col_int)
               GO TO 145
            end if
1200  FORMAT (A35,5X,I4)
      END IF
100   Continue
900   CONTINUE
      Print*,'Program has finished reading the inputs!!!'


C****************************PART 2************************************
C************************Calculations

C*variables mostly in order of use
      real con3,con4,nps_FG_summary_org
      real mldt19_tot_cbodu, mldt19_tot_org
      real incr_CBODu(1:999), incr_Org_N(1:999), incr_Amm_N(1:999),
     &incr_NItrate(1:999)
      real incr_CBODu_tot, incr_Org_N_tot, incr_Amm_N_tot,incr_NItrate_t
     &ot
      real WSTLD2_BOD_con(1:999),WSTLD2_ORG_con(1:999),WSTLD2_NH3_con
     &(1:999),WSTLD2_NO3_con(1:999)
      real WSTLD2_BOD_cal(1:999),WSTLD2_Org_cal(1:999),WSTLD2_NH3_cal
     &(1:999),WSTLD2_NO3_cal(1:999)
      real WSTLD2_BOD_cal_tot,WSTLD2_Org_cal_tot,WSTLD2_NH3_cal_tot,
     &WSTLD2_NO3_cal_tot
      real ps_WSTLD2_BOD_con(1:999),ps_WSTLD2_ORG_con(1:999),ps_WSTLD2_N
     &H3_con(1:999),ps_WSTLD2_NO3_con(1:999)
      real ps_WSTLD2_BOD_cal(1:999),ps_WSTLD2_Org_cal(1:999),ps_WSTLD2_N
     &H3_cal(1:999),ps_WSTLD2_NO3_cal(1:999)
      real ps_WSTLD2_BOD_cal_tot, ps_WSTLD2_Org_cal_tot, ps_WSTLD2_NH3_c
     &al_tot,ps_WSTLD2_NO3_cal_tot
      real nps_WSTLD2_BOD_con(1:999),nps_WSTLD2_ORG_con(1:999),nps_WSTLD
     &2_NH3_con(1:999),nps_WSTLD2_NO3_con(1:999)
      real nps_WSTLD2_BOD_cal(1:999),nps_WSTLD2_Org_cal(1:999),nps_WSTLD
     &2_NH3_cal(1:999),nps_WSTLD2_NO3_cal(1:999)
      real nps_WSTLD2_BOD_cal_tot,nps_WSTLD2_Org_cal_tot, nps_WSTLD2_NH3
     &_cal_tot,nps_WSTLD2_NO3_cal_tot
```

```
 real nps_BOD_tot,nps_Org_N_tot,nps_NH3_N_tot,nps_NO3_tot
 real HDWT_BOD_cal(1:999), HDWT_Org_cal(1:999), HDWT_NH3_cal(1:999)
&, HDWT_NO3_cal(1:999)
 real HDWT_BOD_cal_tot, HDWT_Org_cal_tot, HDWT_NH3_cal_tot,
&HDWT_NO3_cal_tot
 real elem_benthis(1:1000), elem_sod(1:1000), elem_temp(1:1000)
&,sod_load(1:1000), benthic(1:1000)
 real nps_sod_load_tot, nps_benthic_tot,fac_mos_FG
 reaL tmdl_cal_flow(1:999)
 real cbodu_tmdl_val(1:999), org_N_tmdl_val(1:999),ammon_tmdl_val(1
&:100),no3_tmdl_val(1:999)
 real  cbodu_tmdl_cal(1:999),org_N_tmdl_cal(1:999), ammon_tmdl_cal(
&1:100), no3_tmdl_cal(1:999)
 real  cbodu_tmdl_tot,org_N_tmdl_tot,ammon_tmdl_tot,no3_tmdl_tot
 real nps_summary_cbodu,nps_summary_org,nps_summary_ammon
 real oxy_dem_nps_org_N_tot, oxy_dem_nps_nh3_tot
 real nps_mos_sod_load_tot,nps_mos_summary_cbodu,nps_mos_summary_or
&g,nps_mos_summary_ammon,nps_mos_nps_NO3_tot
 real nps_FG_sod_load_tot,nps_FG_summary_cbodu
&,nps_FG_summary_ammon,nps_FG_nps_NO3_tot
 real nps_LA_sod_load_tot,nps_LA_summary_cbodu,nps_LA_summary_org,n
&ps_LA_summary_ammon,nps_LA_nps_NO3_tot
 real ps_summary_cbodu,ps_summary_org,ps_summary_nh3_n
 real mos_ps_summary_cbodu,mos_ps_summary_org,mos_ps_summary_nh3_n
 real FG_ps_summary_cbodu,FG_ps_summary_org,FG_ps_summary_nh3_n
 real wla_ps_cbodu_tmdl_tot,wla_ps_org_N_tmdl_tot, wla_ps_ammon_tmd
&l_tot
 real wla_ps_WSTLD2_BOD_cal(1:999),wla_ps_WSTLD2_ORG_cal(1:999),wla
&_ps_WSTLD2_NH3_cal(1:999)
 real oxy_dem_mldt19_tot_org,nps_inflows_tot_oxy_demand,
&mldt19_tot_oxy_dem,tot_oxy_dem_sod_ben
 real oxy_dem_ps_WSTLD2_Bod_cal(1:999),oxy_dem_ps_WSTLD2_ORG_cal(1:
&100),oxy_dem_ps_WSTLD2_Nh3_cal(1:999),tot_oxy_dem_nps,
&wla_min_ps_summary_tot
 real oxy_dem_ps_WSTLD2_Org_cal_tot,oxy_dem_ps_WSTLD2_NH3_cal_tot
 real nps_mos_tot_oxy_dem,nps_FG_tot_oxy_dem,nps_LA_tot_oxy_dem
 real oxy_dem_org_N_tmdl,oxy_dem_ammon_tmdl,min_ps_summary_tot,
&mod_tot_oxy_dem_ps(1:999),mos_tot_oxy_dem_summary,wla_mod_tot_oxy_
&dem_ps(1:999)
 real nut_tmdl_nps_org_N_tot,nps_tot_nitrogen_load,nps_total_P
 real ps_nut_tmdl_summary_org_N_tot,ps_nut_tmdl_summary_nh3_N_tot,
&ps_nut_tmdl_summary_no3_N_tot,ps_tot_nitrogen_final_load,ps_tot_P_
&final,ps_tot_sum_total_nitrogen_load,ps_tot_sum_total_P
 real mos_ps_nut_tmdl_sum_org_N_tot,
&mos_ps_nut_tmdl_sum_nh3_N_tot,
&mos_ps_nut_tmdl_sum_no3_N_tot,
&mos_ps_tot_nitrogen_final_load,
&mos_ps_tot_P_final
 real FG_ps_nut_tmdl_sum_org_N_tot,
&FG_ps_nut_tmdl_sum_nh3_N_tot,
&FG_ps_nut_tmdl_sum_no3_N_tot,
&FG_ps_tot_nitrogen_final_load,
&FG_ps_tot_P_final
 real wla_min_ps_nut_tmdl_sum_org,
&wla_min_ps_nut_tmdl_sum_nh3,
&wla_min_ps_nut_tmdl_sum_no3,
&wla_min_ps_nitrogen_final_load,
&wla_min_ps_P_final
 real wla_ps_WSTLD2_org_cal_sum(1:999),wla_ps_WSTLD2_NH3_cal_sum(1:
&100),wla_ps_WSTLD2_NO3_cal_sum(1:999)
 real wla_ps_total_nitrogen_load(1:999), wla_ps_total_P(1:999)
 real nps_mos_nut_tmdl_nps_Org_N_tot,nps_mos_nps_nh3_n_tot,
&nps_mos_tot_nitrogen_load,nps_mos_total_p
```

```
      real nps_FG_nut_tmdl_nps_Org_N_tot,nps_FG_nps_nh3_n_tot,
     &nps_FG_tot_nitrogen_load,nps_FG_total_p
      real nps_la_nut_tmdl_nps_Org_N_tot,nps_la_nps_nh3_n_tot,
     &nps_la_tot_nitrogen_load,nps_la_total_p
      real min_ps_total_nitrogen_load,min_ps_total_P
      real ps_total_nitrogen_load(1:999),ps_total_P(1:999)

      if (usernum.NE.num) then
        print*,'Usernum does not equal num, there has been a read failur
     &e!',num,usernum
        Write(11,*)'This output is NOT correct!'
        end if

      mldt19_tot_cbodu=0
      mldt19_tot_org=0

      incr_CBODu_tot=0
      incr_Org_N_tot=0
      incr_Amm_N_tot=0
      incr_Nitrate_tot=0

      ps_WSTLD2_BOD_cal_tot=0
      ps_WSTLD2_Org_cal_tot=0
      ps_WSTLD2_NH3_cal_tot=0

      nps_WSTLD2_BOD_cal_tot=0
      nps_WSTLD2_Org_cal_tot=0
      nps_WSTLD2_NH3_cal_tot=0

      WSTLD2_BOD_cal_tot=0
      WSTLD2_Org_cal_tot=0
      WSTLD2_NH3_cal_tot=0

      HDWT_BOD_cal_tot=0
      HDWT_Org_cal_tot=0
      HDWT_NH3_cal_tot=0
      HDWT_NO3_cal_tot=0

      nps_sod_load_tot=0
      nps_benthic_tot=0

      cbodu_tmdl_tot=0
      org_N_tmdl_tot=0
      ammon_tmdl_tot=0
      no3_tmdl_tot=0

      fac_mos_FG=1/(1-(ps_mos+ps_FG))
      con3 = 1.00/1000000.00*1000.00*86400.00
      con4 = 3.7850000000 ! MGD * mg/L * con4,
c     con4 = 3.785 L/gal * 1.0E6 gal/MG * 1.0E-6 kg/mg

      do 180 I=1,num
      mldt19_tot_cbodu=mldt19_tot_cbodu+NP_bod(I)
      mldt19_tot_org= mldt19_tot_org+NP_org(I)
180   continue

C* Here I will arrange the elemntal surface areas into the numerical order to match the
order the SOD
C* and NH3 data are in.
c          elem_col(1) = elem_col_int(1)
c          S_Area(1) = S_Area_int(1)
c      DO 185 I=2,total_elem   !need to start at 2 for comaprisons
c          elem_col(I)=I
```

```
c          if (elem_col_int(I).EQ.I) then
c             S_Area(I) = S_Area_int(I)
c          else
c
c             DO 184 R=1,total_elem  !go through the list until we get a match
c             if (Elem_col_int(R).EQ.Elem_col(I)) then
c                S_Area(I) = S_Area_int(I)
c             end if
c184          continue
c          end if

c185   continue

      cir=num_incr
      DO 190 cirr=1,cir

      incr_CBODu(cirr)=incr_flow(cirr)*incr2_CBODu_con(cirr)*con3
      incr_Org_N(cirr)=incr_flow(cirr)*incr2_Org_N_con(cirr)*con3
      incr_Amm_N(cirr)=incr_flow(cirr)*incr2_Amm_N_con(cirr)*con3
      incr_NItrate(cirr)=incr_flow(cirr)*incr2_Nitrate_con(cirr)*con3

      incr_CBODu_tot=incr_CBODu_tot+incr_CBODu(cirr)
      incr_Org_N_tot=incr_Org_N_tot+incr_Org_N(cirr)
      incr_Amm_N_tot=incr_Amm_N_tot+incr_Amm_N(cirr)
      incr_Nitrate_tot=incr_Nitrate_tot+incr_Nitrate(cirr)
190   continue

C*********** calcualtions for point soucers EXPLICITLY modeled
      cir=ps_num_wstld
      DO 194 cirr=1,cir
      ps_WSTLD2_BOD_con(cirr)=ps_wstld2_bod(cirr)
      ps_WSTLD2_ORG_con(cirr)=ps_wstld2_org(cirr)
      ps_WSTLD2_NH3_con(cirr)=ps_wstld2_nh3(cirr)
      ps_WSTLD2_NO3_con(cirr)=ps_wstld2_no3(cirr)

      ps_WSTLD2_BOD_cal(cirr)=ps_WSTLD_Flow(cirr)*ps_WSTLD2_BOD_con(cirr
     &)*con3
      ps_WSTLD2_Org_cal(cirr)=ps_WSTLD_FLow(cirr)*ps_WSTLD2_Org_con(cirr
     &)*con3
      ps_WSTLD2_NH3_cal(cirr)=ps_WSTLD_FLow(cirr)*ps_WSTLD2_NH3_con(cirr
     &)*con3
      ps_WSTLD2_NO3_cal(cirr)=ps_WSTLD_Flow(cirr)*ps_WSTLD2_NO3_con(cirr
     &)*con3

      wla_ps_WSTLD2_org_cal_sum(cirr)=ps_WSTLD2_org_cal(cirr)*(1-ps_mos-
     &ps_FG)
      wla_ps_WSTLD2_NH3_cal_sum(cirr)=ps_WSTLD2_NH3_cal(cirr)*(1-ps_mos-
     &ps_FG)
      wla_ps_WSTLD2_NO3_cal_sum(cirr)=ps_WSTLD2_NO3_cal(cirr)*(1-ps_mos-
     &ps_FG)

      ps_WSTLD2_BOD_cal_tot=ps_WSTLD2_BOD_cal_tot+ps_WSTLD2_BOD_cal(cirr
     &)
      ps_WSTLD2_Org_cal_tot=ps_WSTLD2_Org_cal_tot+ps_WSTLD2_Org_cal(cirr
     &)
      ps_WSTLD2_NH3_cal_tot=ps_WSTLD2_NH3_cal_tot+ps_WSTLD2_NH3_cal(cirr
     &)
      ps_WSTLD2_NO3_cal_tot=ps_WSTLD2_NO3_cal_tot+ps_WSTLD2_NO3_cal(cirr
     &)

       oxy_dem_ps_wstld2_bod_cal(cirr)=1*ps_WSTLD2_BOD_cal(cirr
     &)
       oxy_dem_ps_wstld2_org_cal(cirr)=ammoxy_rat*ps_wstld2_org_cal(cirr
```

```
     &)
       oxy_dem_ps_wstld2_nh3_cal(cirr)=ammoxy_rat*ps_wstld2_nh3_cal(cirr
     &)
       mod_tot_oxy_dem_ps(cirr)=oxy_dem_ps_wstld2_bod_cal(cirr)+oxy_dem_
     &ps_wstld2_org_cal(cirr)+ oxy_dem_ps_wstld2_nh3_cal(cirr)

       wla_ps_wstld2_bod_cal(cirr)=ps_wstld2_bod_cal(cirr)*(1-ps_mos-ps_
     &FG)
       wla_ps_WSTLD2_ORG_cal(cirr)=oxy_dem_ps_WSTLD2_Org_cal(cirr)*(1-ps
     &_mos-ps_FG)
       wla_ps_wstld2_nh3_cal(cirr)=oxy_dem_ps_WSTLD2_NH3_cal(cirr)*(1-ps
     &_mos-ps_FG)
       wla_mod_tot_oxy_dem_ps(cirr)=mod_tot_oxy_dem_ps(cirr)*(1-ps_mos-p
     &s_FG)

C     rounding functions (uisng the anint function)

       wla_ps_wstld2_bod_cal(cirr)=wla_ps_wstld2_bod_cal(cirr)*100
       wla_ps_wstld2_bod_cal(cirr)=anint(wla_ps_wstld2_bod_cal(cirr))
       wla_ps_wstld2_bod_cal(cirr)=wla_ps_wstld2_bod_cal(cirr)/100

       wla_ps_wstld2_org_cal(cirr)=wla_ps_wstld2_org_cal(cirr)*100
       wla_ps_wstld2_org_cal(cirr)=anint(wla_ps_wstld2_org_cal(cirr))
       wla_ps_wstld2_org_cal(cirr)=wla_ps_wstld2_org_cal(cirr)/100

       wla_ps_wstld2_nh3_cal(cirr)=wla_ps_wstld2_nh3_cal(cirr)*100
       wla_ps_wstld2_nh3_cal(cirr)=anint(wla_ps_wstld2_nh3_cal(cirr))
       wla_ps_wstld2_nh3_cal(cirr)=wla_ps_wstld2_nh3_cal(cirr)/100

       wla_mod_tot_oxy_dem_ps(cirr)=wla_mod_tot_oxy_dem_ps(cirr)*100
       wla_mod_tot_oxy_dem_ps(cirr)=anint(wla_mod_tot_oxy_dem_ps(cirr))
       wla_mod_tot_oxy_dem_ps(cirr)=wla_mod_tot_oxy_dem_ps(cirr)/100

C**************** nps wasteload calculations
194   continue
      do 196 cirr=1,nps_num_wstld
      nps_WSTLD2_BOD_con(cirr)=nps_wstld2_bod(cirr)
      nps_WSTLD2_ORG_con(cirr)=nps_wstld2_org(cirr)
      nps_WSTLD2_NH3_con(cirr)=nps_wstld2_nh3(cirr)
      nps_WSTLD2_NO3_con(cirr)=nps_wstld2_no3(cirr)

      nps_WSTLD2_BOD_cal(cirr)=nps_WSTLD_Flow(cirr)*nps_WSTLD2_BOD_con(c
     &irr)*con3
      nps_WSTLD2_Org_cal(cirr)=nps_WSTLD_FLow(cirr)*nps_WSTLD2_Org_con(c
     &irr)*con3
      nps_WSTLD2_NH3_cal(cirr)=nps_WSTLD_FLow(cirr)*nps_WSTLD2_NH3_con(c
     &irr)*con3
      nps_WSTLD2_NO3_cal(cirr)=nps_WSTLD_Flow(cirr)*nps_WSTLD2_NO3_con(c
     &irr)*con3

      nps_WSTLD2_BOD_cal_tot=nps_WSTLD2_BOD_cal_tot+nps_WSTLD2_BOD_cal(c
     &irr)
      nps_WSTLD2_Org_cal_tot=nps_WSTLD2_Org_cal_tot+nps_WSTLD2_Org_cal(c
     &irr)
      nps_WSTLD2_NH3_cal_tot=nps_WSTLD2_NH3_cal_tot+nps_WSTLD2_NH3_cal(c
     &irr)
      nps_WSTLD2_NO3_cal_tot=nps_WSTLD2_NO3_cal_tot+nps_WSTLD2_NO3_cal(c
     &irr)

      nps_WSTLD2_BOD_cal_tot=nps_WSTLD2_BOD_cal_tot*100
      nps_WSTLD2_BOD_cal_tot=anint(nps_WSTLD2_BOD_cal_tot)
      nps_WSTLD2_BOD_cal_tot=nps_WSTLD2_BOD_cal_tot/100
```

```
      nps_WSTLD2_Org_cal_tot=nps_WSTLD2_Org_cal_tot*100
      nps_WSTLD2_Org_cal_tot=anint(nps_WSTLD2_Org_cal_tot)
      nps_WSTLD2_Org_cal_tot=nps_WSTLD2_Org_cal_tot/100

      nps_WSTLD2_NH3_cal_tot=nps_WSTLD2_NH3_cal_tot*100
      nps_WSTLD2_NH3_cal_tot=anint(nps_WSTLD2_NH3_cal_tot)
      nps_WSTLD2_NH3_cal_tot=nps_WSTLD2_NH3_cal_tot/100

      nps_WSTLD2_NO3_cal_tot=nps_WSTLD2_NO3_cal_tot*100
      nps_WSTLD2_NO3_cal_tot=anint(nps_WSTLD2_NO3_cal_tot)
      nps_WSTLD2_NO3_cal_tot=nps_WSTLD2_NO3_cal_tot/100



c***********only wasteloads can be divided into point source and non point sources
196   continue

      do 198 cirr= 1, num_wstld
      WSTLD2_BOD_con(cirr)=WSTLD2_BOD(cirr)
      WSTLD2_ORG_con(cirr)=WSTLD2_Org(cirr)
      WSTLD2_NH3_con(cirr)=WSTLD2_NH3(cirr)
      WSTLD2_NO3_con(cirr)=WSTLD2_NO3(cirr)

      WSTLD2_BOD_cal(cirr)=WSTLD_Flow(cirr)*WSTLD2_BOD_con(cirr)*con3
      WSTLD2_Org_cal(cirr)=WSTLD_FLow(cirr)*WSTLD2_Org_con(cirr)*con3
      WSTLD2_NH3_cal(cirr)=WSTLD_FLow(cirr)*WSTLD2_NH3_con(cirr)*con3
      WSTLD2_NO3_cal(cirr)=WSTLD_Flow(cirr)*WSTLD2_NO3_con(cirr)*con3

      WSTLD2_BOD_cal_tot=WSTLD2_BOD_cal_tot+WSTLD2_BOD_cal(cirr)
      WSTLD2_Org_cal_tot=WSTLD2_Org_cal_tot+WSTLD2_Org_cal(cirr)
      WSTLD2_NH3_cal_tot=WSTLD2_NH3_cal_tot+WSTLD2_NH3_cal(cirr)
      WSTLD2_NO3_cal_tot=WSTLD2_NO3_cal_tot+WSTLD2_NO3_cal(cirr)

      wstld2_bod_cal_tot=wstld2_bod_cal_tot*100
      wstld2_bod_cal_tot=anint(wstld2_bod_cal_tot)
      wstld2_bod_cal_tot=wstld2_bod_cal_tot/100

      wstld2_org_cal_tot=wstld2_org_cal_tot*100
      wstld2_org_cal_tot=anint(wstld2_org_cal_tot)
      wstld2_org_cal_tot=wstld2_org_cal_tot/100

      wstld2_NH3_cal_tot=wstld2_NH3_cal_tot*100
      wstld2_NH3_cal_tot=anint(wstld2_NH3_cal_tot)
      wstld2_NH3_cal_tot=wstld2_NH3_cal_tot/100

      wstld2_NO3_cal_tot=wstld2_NO3_cal_tot*100
      wstld2_NO3_cal_tot=anint(wstld2_NO3_cal_tot)
      wstld2_NO3_cal_tot=wstld2_NO3_cal_tot/100
198   continue

      cir=num_hdwt

      DO 199 cirr=1,cir

      HDWT_BOD_cal(cirr)=HDWT1_Flow(cirr)*HDWT2_BOD_con(cirr)*con3
      HDWT_Org_cal(cirr)=HDWT1_FLow(cirr)*HDWT2_Org_con(cirr)*con3
      HDWT_NH3_cal(cirr)=HDWT1_FLow(cirr)*HDWT2_NH3_con(cirr)*con3
      HDWT_NO3_cal(cirr)=HDWT1_Flow(cirr)*HDWT2_NO3_con(cirr)*con3

      HDWT_BOD_cal_tot=HDWT_BOD_cal_tot+HDWT_BOD_cal(cirr)
      HDWT_Org_cal_tot=HDWT_Org_cal_tot+HDWT_Org_cal(cirr)
      HDWT_NH3_cal_tot=HDWT_NH3_cal_tot+HDWT_NH3_cal(cirr)
      HDWT_NO3_cal_tot=HDWT_NO3_cal_tot+HDWT_NO3_cal(cirr)
```

```
      HDWT_bod_cal_tot=HDWT_bod_cal_tot*100
      HDWT_bod_cal_tot=anint(HDWT_bod_cal_tot)
      HDWT_bod_cal_tot=wstld2_bod_cal_tot/100

      HDWT_org_cal_tot=HDWT_org_cal_tot*100
      HDWT_org_cal_tot=anint(HDWT_org_cal_tot)
      HDWT_org_cal_tot=HDWT_org_cal_tot/100

      HDWT_NH3_cal_tot=HDWT_NH3_cal_tot*100
      HDWT_NH3_cal_tot=anint(HDWT_NH3_cal_tot)
      HDWT_NH3_cal_tot=HDWT_NH3_cal_tot/100

      HDWT_NO3_cal_tot=HDWT_NO3_cal_tot*100
      HDWT_NO3_cal_tot=anint(HDWT_NO3_cal_tot)
      HDWT_NO3_cal_tot=HDWT_NO3_cal_tot/100



199   Continue


C*************** total up NPS values from incremetnal flow, tribs and headwaters
      nps_BOD_tot=incr_CBODu_tot+nps_WSTLD2_BOD_cal_tot+
     &HDWT_BOD_cal_tot
      nps_Org_N_tot=incr_Org_N_tot+nps_WSTLD2_Org_cal_tot+
     &HDWT_Org_cal_tot
      nps_NH3_N_tot=incr_Amm_N_tot+nps_WSTLD2_NH3_cal_tot+HDWT_NH3
     &_cal_tot
      nps_NO3_tot=incr_Nitrate_tot+nps_WSTLD2_NO3_cal_tot+HDWT_NO3_cal_t
     &ot

C************* total up oxygen demand for NPS
      oxy_dem_nps_org_N_tot=ammoxy_rat*nps_org_N_tot
      oxy_dem_nps_nh3_tot=ammoxy_rat*nps_nh3_N_tot
      oxy_dem_mldt19_tot_org=ammoxy_rat*mldt19_tot_org


C************* create the element and reach column, as well as other columns for
C************* for SOD and benthic ammonia
      DO 201 I=1,num
          DO 200 J=elem_begin(I), elem_end(I)
               elem_benthis(J)= C2_NH3SR (I)
               elem_sod(J)=SOD_temp_cor(I)
               elem_temp(J)=temp(I)
200            continue
201   continue



      do 202 I=1,total_elem
c               sod_temp_cor(I)=elem_sod(I)*1.065**(elem_temp(I)-20)
               sod_load(I)=sod_temp_cor(I)*s_area_int(I)*1.00/1000.00
               benthic(I)=elem_benthis(I)*s_area_int(I)*1.00/1000.00
               nps_sod_load_tot=nps_sod_load_tot+sod_load(I)
               nps_benthic_tot=nps_benthic_tot+benthic(I)
202   continue


C*****************calculate values for PS and NPS summary sections
      oxy_dem_nps_benthic_tot=ammoxy_rat*nps_benthic_tot

      nps_inflows_tot_oxy_demand=nps_BOD_tot+oxy_dem_nps_org_N_tot+oxy_d
```

```
&em_nps_nh3_tot
 mldt19_tot_oxy_dem=mldt19_tot_cbodu+oxy_dem_mldt19_tot_org
 tot_oxy_dem_sod_ben=nps_sod_load_tot+oxy_dem_nps_benthic_tot

 tot_oxy_dem_nps=nps_inflows_tot_oxy_demand+mldt19_tot_oxy_dem+tot_
&oxy_dem_sod_ben

 oxy_dem_ps_WSTLD2_Org_cal_tot=ps_WSTLD2_Org_cal_tot*ammoxy_rat
 oxy_dem_ps_WSTLD2_NH3_cal_tot=ps_WSTLD2_NH3_cal_tot*ammoxy_rat

 nps_summary_cbodu=nps_bod_tot+mldt19_tot_cbodu
 nps_summary_org=oxy_dem_nps_org_N_tot+oxy_dem_mldt19_tot_org
 nps_summary_ammon=oxy_dem_nps_nh3_tot+oxy_dem_nps_benthic_tot

 nps_mos_sod_load_tot=nps_sod_load_tot*nps_mos
 nps_mos_sod_load_tot=nps_mos_sod_load_tot*100
 nps_mos_sod_load_tot=anint(nps_mos_sod_load_tot)/100

 nps_mos_summary_cbodu=nps_summary_cbodu*nps_mos
 nps_mos_summary_cbodu=nps_mos_summary_cbodu*100
 nps_mos_summary_cbodu=anint(nps_mos_summary_cbodu)/100

 nps_mos_summary_org=nps_summary_org*nps_mos
 nps_mos_summary_org=nps_mos_summary_org*100
 nps_mos_summary_org=anint(nps_mos_summary_org)/100

 nps_mos_summary_ammon=nps_summary_ammon*nps_mos
 nps_mos_summary_ammon=nps_mos_summary_ammon*100
 nps_mos_summary_ammon=anint(nps_mos_summary_ammon)/100

 nps_FG_sod_load_tot=nps_sod_load_tot*nps_FG
 nps_FG_sod_load_tot=nps_FG_sod_load_tot*100
 nps_FG_sod_load_tot=anint(nps_FG_sod_load_tot)/100


 nps_FG_summary_cbodu=nps_summary_cbodu*nps_FG
 nps_FG_summary_cbodu=nps_FG_summary_cbodu*100
 nps_FG_summary_cbodu=anint(nps_FG_summary_cbodu)/100

 nps_FG_summary_org=nps_summary_org*nps_FG
 nps_FG_summary_org=nps_FG_summary_org*100
 nps_FG_summary_org=anint(nps_FG_summary_org)/100

 nps_FG_summary_ammon=nps_summary_ammon*nps_FG
 nps_FG_summary_ammon=nps_FG_summary_ammon*100
 nps_FG_summary_ammon=anint(nps_FG_summary_ammon)/100


 nps_mos_tot_oxy_dem=tot_oxy_dem_nps*nps_mos
 nps_mos_tot_oxy_dem=nps_mos_tot_oxy_dem*100
 nps_mos_tot_oxy_dem=anint(nps_mos_tot_oxy_dem)/100


 nps_FG_tot_oxy_dem=tot_oxy_dem_nps*nps_FG
 nps_FG_tot_oxy_dem=nps_FG_tot_oxy_dem*100
 nps_FG_tot_oxy_dem=anint(nps_FG_tot_oxy_dem)/100


 nps_mos_nps_NO3_tot=nps_NO3_tot*nps_mos
 nps_mos_nps_NO3_tot=nps_mos_nps_NO3_tot*100
 nps_mos_nps_NO3_tot=anint(nps_mos_nps_NO3_tot)/100
```

```
      nps_FG_nps_NO3_tot=nps_NO3_tot*nps_FG
      nps_FG_nps_NO3_tot=nps_FG_nps_NO3_tot*100
      nps_FG_nps_NO3_tot=anint(nps_FG_nps_NO3_tot)/100


      nps_LA_sod_load_tot=nps_sod_load_tot-nps_MOS_sod_load_tot-nps_FG_s
     &od_load_tot
      nps_LA_summary_cbodu=nps_summary_cbodu-nps_MOS_summary_cbodu-nps_F
     &G_summary_cbodu
      nps_LA_summary_org=nps_summary_org-nps_MOS_summary_org-nps_FG_summ
     &ary_org
      nps_LA_summary_ammon=nps_summary_ammon-nps_MOS_summary_ammon-nps_F
     &G_summary_ammon
      nps_LA_nps_NO3_tot=nps_NO3_tot-nps_MOS_nps_NO3_tot-nps_FG_nps_NO3_
     &tot

      nps_LA_tot_oxy_dem=tot_oxy_dem_nps-nps_mos_tot_oxy_dem-nps_fg_tot_
     &oxy_dem

c these values are from reading data from La_qual output (and thus ARE NOT minor point
sources)
      ps_BOD_tot=ps_WSTLD2_BOD_cal_tot
      ps_Org_N_tot=ps_WSTLD2_Org_cal_tot
      ps_NH3_N_tot=ps_WSTLD2_NH3_cal_tot
      ps_NO3_tot=ps_WSTLD2_NO3_cal_tot

c this produces the "values for tmdl calculations table"
      do 204 I =1, num_pt_sour
               cbodu_tmdl_val(I)=2.30*cbod5_perm(I)
               if (CBOD5_perm(I).EQ.0.OR.CBOD5_perm(I).EQ.-999)then
                  cbodu_tmdl_val(I)=1.00*cod_perm(I)
                  if (cod_perm(I).EQ.0.OR.Cod_perm(I).EQ.-999)then
                  cbodu_tmdl_val(I)=0
               end if
               end if

               ammon_tmdl_val(I)=ammon_perm(I)
               if (ammon_perm(I) .EQ.-999) then
                  ammon_tmdl_val(I)=2*cbod5_perm(I)
                  if (cbod5_perm(I).EQ.-999) then
                     ammon_tmdl_val(I)=0
               end if
               end if

               no3_tmdl_val(I) = 0

               org_N_tmdl_val(I)=ammon_tmdl_val(I)*2.00

               if (cbod5_perm(I).EQ.0.AND.ammon_perm(I).EQ.0) then
               org_N_tmdl_val(I)=0
               ammon_tmdl_val(I)=0
               no3_tmdl_val(I) = 0
               end if

204   continue

C *** caluculate tmdl vlues for tmdl load chart
      do 206 I=1,num_pt_sour
         tmdl_cal_flow(I)=perm_flow(I)*fac_mos_FG
         cbodu_tmdl_cal(I) = tmdl_cal_flow(I)*cbodu_tmdl_val(I)*con4
         org_N_tmdl_cal(I) = tmdl_cal_flow(I)*org_N_tmdl_val(I)*con4
         ammon_tmdl_cal(I) = tmdl_cal_flow(I)*ammon_tmdl_val(I)*con4
         no3_tmdl_cal(I) = tmdl_cal_flow(I)*no3_tmdl_val(I) *con4
```

```
         cbodu_tmdl_tot=cbodu_tmdl_tot+cbodu_tmdl_cal(I)
         org_N_tmdl_tot=org_N_tmdl_tot+org_N_tmdl_cal(I)
         ammon_tmdl_tot=ammon_tmdl_tot+ammon_tmdl_cal(I)
         no3_tmdl_tot=no3_tmdl_tot+no3_tmdl_cal(I)

         oxy_dem_org_N_tmdl= org_N_tmdl_tot*ammoxy_rat
         oxy_dem_ammon_tmdl= ammon_tmdl_tot*ammoxy_rat


206   continue
c*********calculate tmdl values for summary chart (using ammox multiplier



c first term is read in from La-qual second is from User supplied data
c more summary calculations
      ps_summary_cbodu=ps_bod_tot+cbodu_tmdl_tot
      ps_summary_org= oxy_dem_ps_wstld2_org_cal_tot+ oxy_dem_org_N_tmdl

      ps_summary_nh3_n=oxy_dem_ps_WSTLD2_NH3_cal_tot+oxy_dem_ammon_tmdl

      tot_oxy_dem_summary=ps_summary_cbodu+ps_summary_org+ps_summary_nh3
     &_n

      mos_ps_summary_cbodu=ps_summary_cbodu*ps_mos
      mos_ps_summary_org=ps_summary_org*ps_mos
      mos_ps_summary_nh3_n= ps_summary_nh3_n*ps_mos

      FG_ps_summary_cbodu=ps_summary_cbodu*ps_FG
      FG_ps_summary_org=ps_summary_org*ps_FG
      FG_ps_summary_nh3_n= ps_summary_nh3_n*ps_FG


      min_ps_summary_tot=cbodu_tmdl_tot+oxy_dem_org_N_tmdl+oxy_dem_ammon
     &_tmdl

      mos_tot_oxy_dem_summary=tot_oxy_dem_summary*ps_mos
      FG_tot_oxy_dem_summary=tot_oxy_dem_summary*ps_FG

c WLA for minor point sources
      wla_ps_cbodu_tmdl_tot=cbodu_tmdl_tot*(1-ps_mos-ps_FG)
      wla_ps_org_N_tmdl_tot=oxy_dem_org_N_tmdl*(1-ps_mos-ps_FG)
      wla_ps_ammon_tmdl_tot=oxy_dem_ammon_tmdl*(1-ps_mos-ps_FG)
      wla_min_ps_summary_tot=min_ps_summary_tot*(1-ps_mos-ps_FG)


C*********** Nutrient TMDL calucaltions (a lot of the NPS calcualatiosn are done above
C********* in lines 677-684
C just need to take nps_org_N_tot from
C the first equtaion (which has org_N from heads, tribs and increments)
C and add mass loads data type 19
C (seen in last term),


C******** the loop below should be with the section "calcualtions for point sources
explicitly modeled
C*since the loop below is all PS stuff but oh well I do not want to risk moving it

      if (ps_num_wstld .EQ.0) then
      go to 207
      end if
```

```
      do 208 cir=1,ps_num_wstld
             ps_total_nitrogen_load(cir)=ps_WSTLD2_ORG_cal(cir)+ps_WSTLD
     &2_Nh3_cal(cir)+ps_WSTLd2_NO3_cal(cir)
             ps_total_P(cir)=ps_total_nitrogen_load(cir)/nat_rat

             ps_tot_sum_total_nitrogen_load=ps_tot_sum_total_nitrogen_lo
     &ad+ps_total_nitrogen_load(cir)
             ps_tot_sum_total_P=ps_tot_sum_total_P+ps_total_P(cir)

             wla_ps_total_nitrogen_load(cir)=ps_total_nitrogen_load(cir)
     &*(1-ps_mos-ps_FG)
             wla_ps_total_P(cir)=ps_total_P(cir)*(1-ps_mos-ps_FG)

208   continue




207   nut_tmdl_nps_Org_N_tot=nps_org_N_tot+mldt19_tot_org
      nps_tot_nitrogen_load= nut_tmdl_nps_org_N_tot+nps_nh3_n_tot+
     &nps_NO3_tot

      nps_total_P=nps_tot_nitrogen_load/nat_rat

      nps_mos_nut_tmdl_nps_Org_N_tot=nut_tmdl_nps_Org_N_tot*nps_mos
      nps_mos_nps_nh3_n_tot=nps_nh3_n_tot*nps_mos
      nps_mos_nps_NO3_tot=nps_NO3_tot*nps_mos
      nps_mos_tot_nitrogen_load=nps_tot_nitrogen_load*nps_mos
      nps_mos_total_p=NPS_total_p*nps_mos

      nps_FG_nut_tmdl_nps_Org_N_tot=nut_tmdl_nps_Org_N_tot*nps_FG
      nps_FG_nps_nh3_n_tot=nps_nh3_n_tot*nps_FG
      nps_FG_nps_NO3_tot=nps_NO3_tot*nps_FG
      nps_FG_tot_nitrogen_load=nps_tot_nitrogen_load*nps_FG
      nps_FG_total_p=NPS_total_p*nps_FG

      nps_la_nut_tmdl_nps_Org_N_tot=nut_tmdl_nps_Org_N_tot*(1-nps_mos-np
     &s_FG)
      nps_la_nps_nh3_n_tot=nps_nh3_n_tot*(1-nps_mos)
      nps_la_nps_NO3_tot=nps_NO3_tot*(1-nps_mos)
      nps_la_tot_nitrogen_load=nps_tot_nitrogen_load*(1-nps_mos)
      nps_la_total_p=npS_total_p*(1-nps_mos)

      min_ps_total_nitrogen_load=org_N_tmdl_tot+ammon_tmdl_tot+no3_tmdl_
     &tot
      min_ps_total_P=min_ps_total_nitrogen_load/nat_rat

      ps_nut_tmdl_summary_org_N_tot=ps_WSTLD2_Org_cal_tot+org_N_tmdl_tot
      ps_nut_tmdl_summary_nh3_N_tot=ps_WSTLD2_NH3_cal_tot+ammon_tmdl_tot
      ps_nut_tmdl_summary_no3_N_tot=ps_WSTLD2_NO3_cal_tot+no3_tmdl_tot

      ps_tot_nitrogen_final_load=min_ps_total_nitrogen_load+ps_tot_sum_t
     &otal_nitrogen_load
      ps_tot_P_final=min_ps_total_P+ps_tot_sum_total_P

      mos_ps_nut_tmdl_sum_org_N_tot=ps_nut_tmdl_summary_org_N_tot*ps_mos
      mos_ps_nut_tmdl_sum_nh3_N_tot=ps_nut_tmdl_summary_nh3_N_tot*ps_mos
      mos_ps_nut_tmdl_sum_no3_N_tot=ps_nut_tmdl_summary_no3_N_tot*ps_mos

      FG_ps_nut_tmdl_sum_org_N_tot=ps_nut_tmdl_summary_org_N_tot*ps_FG
      FG_ps_nut_tmdl_sum_nh3_N_tot=ps_nut_tmdl_summary_nh3_N_tot*ps_FG
```

```
      FG_ps_nut_tmdl_sum_no3_N_tot=ps_nut_tmdl_summary_no3_N_tot*ps_FG

      mos_ps_tot_nitrogen_final_load=ps_tot_nitrogen_final_load*ps_mos
      mos_ps_tot_P_final=ps_tot_P_final*ps_mos

      FG_ps_tot_nitrogen_final_load=ps_tot_nitrogen_final_load*ps_FG
      FG_ps_tot_P_final=ps_tot_P_final*ps_FG

      wla_min_ps_nut_tmdl_sum_org=org_N_tmdl_tot*(1-ps_mos-ps_FG)
      wla_min_ps_nut_tmdl_sum_nh3=ammon_tmdl_tot*(1-ps_mos-ps_FG)
      wla_min_ps_nut_tmdl_sum_no3=no3_tmdl_tot*(1-ps_mos-ps_FG)

      wla_min_ps_nitrogen_final_load=min_ps_total_nitrogen_load*(1-p
     &s_mos-ps_FG)
      wla_min_ps_P_final=min_ps_total_P*(1-ps_mos-ps_FG)

c590   write(11,6090)'Calculated load for minor point sources   ',org_N_t
c     &mdl_tot,ammon_tmdl_tot,no3_tmdl_tot,min_ps_total_nitrogen_load,min
c     &_ps_total_P



c      write(11,6090)'Total for all point source loads             ',ps_n
c     &ut_tmdl_summary_org_N_tot,ps_nut_tmdl_summary_nh3_N_tot,ps_nut_tmd
c     &l_summary_no3_N_tot,ps_tot_nitrogen_final_load,ps_tot_P_final





C***********Output File Write Statements

C*****SECTION: "TMDL CALCULATIONS FOR SUBSEGMENT:"

990   format(A33,2x,A10,2x,A20)
      Write (11,990)'TMDL CALCULATIONS FOR SUBSEGMENT:',subsegnumber,sub
     &segname
      Write(11,*)'FTN ASSOCIATES, LTD.'
      Write(11,*)'Program:Pr20m6f'
      Write(11,*)' '
      Write(11,*)'INFO FOR INPUT FILE WITH USER SPECIFIED DATA AND OPTIO
     &NS:'
      Write(11,*)'File name:',userfilename
      write(11,*)' '
      write(11,*)'INFO FOR LA-QUAL OUTPUT FILE:'
      Write(11,*)'File name:',laqualfilename
      Write(11,*)'Date/Time:',pertime
      write(11,*)LAQUAL_version
      write(11,*)'  '
      Write(11,*)'LIST OF ALL REACHES IN LA-QUAL OUTPUT FILE:'
      DO 209 numm=1, num
1000      Format(A7,1x,I3,1x,A10,1x,I3,1x,A1,1x,I3,A18,2x,A6,1x,A15)


209   WRITE(11,1000)'Reach',np_Reach(numm),'(Elements ',Elem_begin(nu
     &mm),'-',elem_end(numm),') is in subsegment',reach_subseg_num(numm)
     &,reach_name(numm)
      write(11,*)' '


C***** SECTION:"CALCULATIONS FOR LOADS FROM NPS INFLOWS (HEADWATERS, TRIBUTARIES, AND
INCREMENTAL INFLOW):"
```

```
      Write(11,3030)
      write(11,*)' '
3030  FORmat(102('='))
      Write(11,*)'CALCULATIONS FOR LOADS FROM NPS INFLOWS (HEADWATERS, T
     &RIBUTARIES, AND INCREMENTAL INFLOW):'
      Write(11,*)' '
      write(11,*)'Equation used: (Load, kg/day) = (Inflow rate, m3/sec)
     &* (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 *'
      write(11,*)'
     &                              86400 sec/day'
      write(11,*)' '
      Write(11,*)'Values from LA-QUAL output:'
      write(11,*)' '
      Write(11,*)'Reach or   Inflow      CBODu     Organic N   Ammonia N
     &        NO2+NO3 N'
      write(11,*)'Element     rate        conc.       conc.       conc.
     &          conc.'
      write(11,*)'number    (m3/sec)     (mg/L)      (mg/L)      (mg/L)
     &          (mg/L)     Name of inflow'
      write(11,*)'------    --------    --------    --------    --------
     &        --------     --------------------'
3050  Format(I3,5x,f10.5,4x,f8.2,4x,f8.2,4x,f8.2,8x,f8.2,5x,A25)
      do 210 cir=1,num_hdwt
210      write(11,3050) HDWT1_elem(cir), HDWT1_Flow(cir), HDWT2_BOD_con(
     &cir),HDWT2_ORG_con(cir),HDWT2_NH3_con(cir), HDWT2_NO3_con(cir),
     &hdwt1_name(cir)
      do 220 cir=1,nps_num_wstld
220   write(11,3050)nps_elem_wstld(cir),nps_WSTLD_Flow(cir), nps_WSTL
     &D2_BOD_con(cir),nps_WSTLD2_ORG_con(cir), nps_WSTLD2_NH3_con(cir),
     &nps_WSTLD2_NO3_con(cir),NPS_wstld_name(cir)
      do 222 cir=1,num_incr
222   write(11,3050)incr_reach(cir),incr_inFlow(cir), incr2_CBODu_con(ci
     &r),incr2_ORG_N_con(cir),incr2_Amm_N_con(cir),incr2_Nitrate_con(cir
     &),'Incremental Reach flow   '
      write(11,*)'  '
c      write(11,*)'------    --------    --------    --------    --------
c     &        --------     --------------------'
      write(11,*)'  '
      write(11,*)'Calculated values:'
      write(11,*)' '
      write(11,*)'                        CBODu     Organic N   Ammonia
     &N   NO2+NO3 N'
      write(11,*)'             Element     load        load        load
     &     load'
      write(11,*)'             number    (kg/day)    (kg/day)    (kg/day
     &)    (kg/day)'
      write(11,*)'             ------    --------    --------    --------
     &    --------'
3060  Format(13x,I3,5x,f10.2,2x,f10.2,1x,f10.2,2x,f10.2)
      cir=num_hdwt
      do 224 cirr=1,cir
224      write(11,3060) HDWT1_elem(cirr), HDWT_BOD_cal(cirr),
     &HDWT_ORG_cal(cirr),HDWT_NH3_cal(cirr), HDWT_NO3_
     &cal(cirr)
      cir=nps_num_wstld
      do 226 cirr=1,cir
226      write(11,3060)nps_elem_wstld(cirr),nps_WSTLD2_BOD_cal(cirr)
     &, nps_WSTLD2_ORG_cal(cirr), nps_WSTLD2_NH3_cal(cirr), nps_WSTLD2_N
     &O3_cal(cirr)
      do 228 cirr=1,num_incr
228      write(11,3060)incr_reach(cirr),incr_CBODu(cirr)
     &, incr_Org_N(cirr), incr_Amm_N(cirr),incr_NITrate(cirr)
```

```
      write(11,*)'             ------    --------    --------    --------
     &    --------'
3070  Format(A19,f12.2,2x,f10.2,1x,f10.2,2x,f10.2)
      write(11,3070)'Subsegment totals:',nps_BOD_tot,nps_Org_N_tot,nps_
     &NH3_N_tot,nps_NO3_tot
      write(11,*)' '


C***** SECTION:"CALCULATIONS FOR NONPOINT SOURCE MASS LOADS IN DATA TYPE 19:"

      Write(11,3030)
      write(11,*)' '
      write(11,*)'CALCULATIONS FOR NONPOINT SOURCE MASS LOADS IN DATA TY
     &PE 19:'
      write(11,*)' '
      write(11,*)'Values from LA-QUAL output:'
      write(11,*)' '
      write(11,*)'                                        CBODu       Orga
     &nic N'
      write(11,*)'                          Reach      mass load     mass
     & load'
      write(11,*)'                          number      (kg/day)      (kg
     &/day)'
      write(11,*)'                          ------      --------    -----
     &------'
      DO 230 numm=1,num
3080  Format(26X,I3,6x,F10.2,5x,F10.2)
230      Write(11,3080)NP_reach(numm),NP_BOD(numm), NP_Org(numm)
      write(11,*)'                          ------      --------    -----
     &------'
3090  format(A33,F12.2,3x,F12.2)
      write(11,3090)'Subsegment totals                ',MLDT19_tot_CBODu
     &,MLDT19_tot_org
      write(11,*)' '


C***** SECTION:"CALCULATIONS FOR LOADS FROM SOD AND BENTHIC AMMONIA:"

      ctr=1
      write(11,3030)
      write(11,*)'  '
      write(11,*)'CALCULATIONS FOR LOADS FROM SOD AND BENTHIC AMMONIA:'
      write(11,*)'  '
      write(11,*)'SOD temperature correction factor used in LA-QUAL mode
     &l: 1.065 (default)'
      write(11,*)' '
      write(11,*)'Equations used: SOD temp. corrected = (SOD at 20 C) *
     &1.065^(Water temp - 20 C)'
      write(11,*)'                SOD load = (SOD temp. corrected, g/m2/
     &day) * (Surface area, m2) * 1.0E-3 kg/g'
      write(11,*)'                Benthic NH3-N load = (Benthic ammonia
     &N, g/m2/day) * (Surface area, m2) * 1.0E-3 kg/g'
      write(11,*)' '
      write(11,*)' '
      write(11,*)'                            Values from LA-QUAL output
     &:                    Calculated values:'
      write(11,*)'                    -----------------------------------
     &---------    -------------------------------'
      write(11,*)'                     Water     Surface      SOD at
     &Benthic      SOD temp.     SOD       Benthic'
      write(11,*)'Reach    Element     temp.       area        20 C
     &ammonia N    corrected     load     NH3-N load'
      write(11,*)'number   number     (deg C)      (m2)     (g/m2/day)
```

```
     &(g/m2/day)  (g/m2/day)   (kg/day)    (kg/day)'
      write(11,*)'------   ------    --------    --------    --------
     &--------     --------    --------    ---------'
      DO 300 cir=1, total_elem

4000  format(I3,7x,I3,4x,f10.2,1x,f10.1,3x,f10.3,1x,f10.2,
     &5x,f6.3,3x,f10.2,6x,f6.2)

4001  if (cir.LT.elem_begin(ctr)) then

      ctr=ctr-1
      go to 4001
      end if

4002  if (cir.GT.elem_end(ctr)) then
      ctr=ctr+1
      go to 4002
      end if

4009  FORMAT(I3,2x,I3,2x,I3,2x,F6.2,2x,I3,2x,I3,2x,F8.4)
C      write(13,4009)cir,elem_begin(ctr),elem_end(ctr),elem_col(cir),ctr,
C     &np_reach(ctr),elem_sod(cir)

      write (11,4000)np_reach(ctr),cir,elem_temp(cir),
     &s_area_int(cir),elem_sod(cir), elem_benthis(cir),sod_temp_cor(cir)
     &,sod_load(cir),benthic(cir)

300   continue
      write(11,*)'
     &                        --------    ---------'
4010  format(A60,16x,F10.2,2x,f10.2)
      write(11,4010)'Subsegment totals:',nps_sod_load_tot,nps_benthic_to
     &t
      write(11,*)' '


C***** SECTION:"CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES EXPLICITLY MODELED:"

      write(11,3030)
      write(11,*)' '
      write(11,*)'CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES EX
     &PLICITLY MODELED:'
      write(11,*)' '
      if (ps_num_wstld.EQ.0) then
      WRITE(11,*)'For this subsegment, there are no point source dischar
     &ges explicitly modeled.'
      go to 335
      end if
      write(11,*)'Equation used: (Load, kg/day) = (Inflow rate, m3/sec)
     &* (Conc., mg/L) * 1.0E-6 kg/mg * 1.0E3 L/m3 *'
      write(11,*)'
     &                                86400 sec/day'
      write(11,*)'  '
      write(11,*)'Values from LA-QUAL output:'
      write(11,*)'  '
      write(11,*)'          Inflow      CBODu     Organic N   Ammonia N
     &   NO2+NO3 N'
      write(11,*)'Element     rate        conc.       conc.       conc.
     &     conc.'
      write(11,*)'number    (m3/sec)     (mg/L)      (mg/L)      (mg/L)
     &      (mg/L)     Name of discharge'
      write(11,*)'------    --------    --------    --------    --------
     &    --------    --------------------'
```

```
      DO 330 cir=1,ps_num_wstld
4020  Format(I3,5x,f10.5,5x,f7.3,5x,f7.3,5x,f7.3,5x,f7.3,6x,A20)

        write(11,4020)ps_elem_wstld(cir),ps_WSTLD_Flow(cir), ps_WSTL
     &D2_BOD_con(cir),ps_WSTLD2_ORG_con(cir), ps_WSTLD2_NH3_con(cir),
     &ps_WSTLD2_NO3_con(cir),PS_wstld_name(cir)
330   continue
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'Calculated values:'
      write(11,*)' '
      write(11,*)'  '
      write(11,*)'                      CBODu     Organic N   Ammonia N
     & NO2+NO3 N'
      write(11,*)'            Element     load        load        load
     &       load'
      write(11,*)'            number    (kg/day)    (kg/day)    (kg/day)
     &    (kg/day)'
      write(11,*)'            ------    --------    --------    --------
     &    --------'
      cir=ps_num_wstld
      if (ps_num_wstld .EQ.0) then
      write(11,*)'             NONE         0.00        0.00        0.00
     &        0.00'
      go to 342
      end if
      do 340 cirr=1,cir
4030  Format(13x,I3,4x,f10.2,4x,f8.2,4x,f8.2,4x,f8.2)
340      write(11,4030)ps_elem_wstld(cirr),ps_WSTLD2_BOD_cal(cirr)
     &, ps_WSTLD2_ORG_cal(cirr), ps_WSTLD2_NH3_cal(cirr), ps_WSTLD2_N
     &O3_cal(cirr)
342   write(11,*)'            ------    --------    --------    --------
     &    --------'
4040  Format(A16,4x,f10.2,2x,f10.2,2x,f10.2,2x, f10.2)
      write(11,4040)'Subsegment totals:',ps_BOD_tot,ps_Org_N_tot,ps_
     &NH3_N_tot,ps_NO3_tot
      write(11,*)'  '
      write(11,*)'  '


C*****SECTION:"CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES NOT EXPLICITLY
MODELED:"

335   write(11,3030)
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'CALCULATIONS FOR LOADS FROM POINT SOURCE DISCHARGES NO
     &T EXPLICITLY MODELED:'
      write(11,*)'  '
      if (num_pt_sour.EQ.0) THEN
         WRITE(11,*)'For this subsegment, there are no point source disc
     &harges not explicitly modeled.'
         write(11,*)' '
         GO TO 431
         END IF
4045  format (A62,f6.3,A33)
      write(11,4045)'Equations used: Flow rate from TMDL calcs = Permit
     &flow rate * ',fac_mos_FG,' (to incorporate MOS and FG) '
      write(11,*)'                (Load, kg/day) = (Flow rate, MGD) * (C
     &onc., mg/L) * 3.785 L/gal * 1.0E6 gal/MG * 1.0E-6 kg/mg'
      write(11,*)'  '
      write(11,*)'  '
```

```
      write(11,*)'Assumptions: Ratio of CBODu to CBOD5 for point source
     & dissharges = 2.3 (guidance from LTP).'
      write(11,*)'             For permits with BOD or ammonia limits, N
     &O2+NO3 = 10 mg/L (drinking water criteria).'
      write(11,*)'             For permits with COD limits, assume that
     &CBODu is about the same magnitude as COD and'
      write(11,*)'                        that discharges of nitrogen (o
     &rganic, ammonia, and NO2+NO3) are negligible.'
      write(11,*)' '
      write(11,*)'  '
      write(11,*)'                         Permit    Factor to      Flow
     &'
      write(11,*)'NPDES                    flow    incorporate   rate fo
     &r'
      write(11,*)'permit      Outfall      rate     MOS and FG   TMDL ca
     &lcs             '
      write(11,*)'number      number       (MGD)     into flow       (MG)
     &D      Comments'
      write(11,*)'--------    --------    --------    --------    ------
     &--    ----------------------------------------'
      do 400 I= 1,num_pt_sour
         tmdl_cal_flow(I)=perm_flow(I)*fac_mos_FG
4050     Format(A10,4x,A3,5x,F10.3,3x,F6.3,4x,f10.3,5x,A40)
         write (11,4050)permit_number(I), outfall_num(I),perm_flow(I),fa
     &c_mos_FG,tmdl_cal_flow(I), comment(I)
400    continue
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'                          User specified permit limits
     &:'
      write(11,*)' NPDES                  -------------------------------
     &-'
      write(11,*)' permit      Outfall     CBOD5        COD       Ammoni
     &a'
      write(11,*)' number      number      (mg/L)      (mg/L)      (mg/L
     &)     Comments'
      write(11,*)'--------    --------    --------    --------    ------
     &--    ----------------------------------------'
      do 410 I= 1,num_pt_sour
4060     Format(A10,4x,A3,5x,F10.1,2x,F10.1,2x,F10.1,4x,A40)
410      write (11,4060)permit_number(I), outfall_num(I),CBOD5_perm(I),
     &COD_perm(I), ammon_perm(I),comment_con(I)
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'                                 Values for TMDL calcul
     &ations:'
      write(11,*)' NPDES                  ------------------------------
     &--------------'
      write(11,*)' permit      Outfall     CBODu     Organic N   Ammonia
     & N   NO2+NO3 N'
      write(11,*)'  number      number      (mg/L)      (mg/L)      (mg/
     &L)      (mg/L)     Comments'
      write(11,*)'--------    --------    --------    --------    ------
     &--    --------    ----------------------------'
      do 420 I= 1,num_pt_sour
         tmdl_cal_flow(I)=perm_flow(I)*fac_MOS_fg
4070     Format(A10,4x,A3,5x,F10.2,2x,F10.2,2x,F10.2,2x,F10.2)
420      write (11,4070)permit_number(I), outfall_num(I),CBODu_tmdl_val(
     &I),org_N_tmdl_val(I),ammon_tmdl_val(I), no3_tmdl_val(I)
      write(11,*)'  '
      write(11,*)'  '
```

```
      write(11,*)'  '
      write(11,*)'                                        Calculated loads
     &:'
      write(11,*)' NPDES                  ------------------------------
     &--------------'
      write(11,*)' permit      Outfall     CBODu     Organic N   Ammonia
     &N   NO2+NO3 N'
      write(11,*)' number      number     (kg/day)    (kg/day)    (kg.da
     &y)   (kg.day)     Comments'
      write(11,*)'--------    --------    --------    --------    ------
     &--    --------    ----------------------------'
      DO 430 I= 1,num_pt_sour
4080     Format(A10,4x,A3,5x,F10.2,2x,F10.2,2x,F10.2,2x,F10.2)
         write(11,4080)permit_number(I), outfall_num(I),cbodu_tmdl_cal(I
     &), org_n_tmdl_cal(I),ammon_tmdl_cal(I),no3_tmdl_cal(I)
430   continue
      write(11,*)'                        --------    --------    ------
     &--    --------'
4090  format(A20,2x,f10.2,2x,f10.2,2x,f10.2,2x, f10.2)
      write(11,4090)'Subsegment total',cbodu_tmdl_tot,org_N_tmdl_tot,amm
     &on_tmdl_tot,no3_tmdl_tot


C*****SECTION:"SUMMARY OF NONPOINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT:"

431   write(11,3030)
      write(11,*)' '
      write(11,*)'SUMMARY OF NONPOINT SOURCE OXYGEN DEMAND FOR THIS SUBS
     &EGEMENT:'
      write(11,*)' '
      write(11,*)' '
4093  format(A52,f6.4,A30)
      write(11,4093)'Equations used:  Organic N oxygen demand, kg/day =
     &',ammoxy_rat,' * Organic N load, kg/day of N'
4094  format(A52,F6.4,A30)
      write(11,4094)'                 Ammonia N oxygen demand, kg/day =
     &',ammoxy_rat,' * Ammonia N load, kg/day of N'
4095  format(A37,f4.1,A24)
      write(11,4095)'                 Margin of safety = ',nps_mos_per,'
     &% * nonpoint source load'
4097  format(A34,f4.1,A24)
      write(11,4097)'                 Future Growth = ',nps_FG_per,'% *
     &nonpoint source load'
4099  format(A36,f4.1,A24)
      write(11,4099)'                 Load Allocation = ',100-nps_mos_pe
     &r-ps_FG_per,'% * nonpoint source load'
      write(11,*)' '
      write(11,*)'Values from calculations above'
      write(11,*)' '
      write(11,*)'
     &    Nitrogen loads (kg/day of N):'
      write(11,*)'
     &-----------------------------------'
      write(11,*)'                                  SOD       CBODu
     &Organic      Ammonia     NO2+NO3 N'
      write(11,*)'                              (kg/day)    (kg/day)   (
     &kg/day)     (kg/day)     (kg/day)'
      write(11,*)'                              --------    --------   -
     &-------     --------     ---------'
5000  format(A36,4x,f10.2,1x,f10.2,3x,f10.2,4x,f10.2)
      write(11,5000)'NPS inflows                     N/A ',nps_bod_tot,n
     &ps_org_N_tot,nps_nh3_n_tot,nps_NO3_tot
5010  format(A36,4x,f10.2,1x,f10.2,4x,A20)
```

```
      write(11,5010)'Mass LOads (data type 19)       N/A ',mldt19_tot_cb
     &odu,mldt19_tot_org,'N/A          N/A'
5020  format(A15,13x,f10.2,1x,A20,5x,f10.2,7x,A4)
      write(11,5020)'SOD and Benthic ammonia',nps_sod_load_tot,'N/A
     &   N/A',nps_benthic_tot,'N/A'
c      write(11,*)'                              --------    --------   -
c     &-------     --------     ---------'
      write(11,*)'  '
      write(11,*)'Calculated loads of oxygen demand:'
      write(11,*)'
     & Oygen demand loads:     Total'
      write(11,*)'
     & -------------------     Oxygen'
      write(11,*)'                                   SOD       CBODu
     &Organic      Ammonia     demand'
      write(11,*)'                              (kg/day)    (kg/day)   (
     &kg/day)     (kg/day)     (kg/day)'
      write(11,*)'                              --------    --------   -
     &-------     --------     ---------'
c5000  format(A36,4x,f10.5,2x,f10.5,2x,f10.5,3x,f10.5)

      write(11,5000)'NPS inflows                     N/A ',nps_bod_tot,
     &oxy_dem_nps_org_N_tot,oxy_dem_nps_nh3_tot,nps_inflows_tot_oxy_dema
     &nd
5011  format(A36,4x,f10.2,1x,f10.2,8x,A3,6x,f10.2)
      write(11,5011)'Mass LOads (data type 19)       N/A ',mldt19_tot_cb
     &odu,oxy_dem_mldt19_tot_org,'N/A',mldt19_tot_oxy_dem
5021  format(A15,13x,f10.2,1x,A20,5x,f10.2,4x,f10.2)
      write(11,5021)'SOD and Benthic ammonia',nps_sod_load_tot,'N/A
     &   N/A',oxy_dem_nps_benthic_tot,tot_oxy_dem_sod_ben
      write(11,*)' '
5030  format(A23,5x,f10.2,2x,f10.2,1x,f10.2,3x,f10.2,4x,f10.2)
      write(11,5030)'Total for all NPS loads',nps_sod_load_tot,nps_summa
     &ry_cbodu,nps_summary_org,nps_summary_ammon, tot_oxy_dem_nps
      write(11,*)' '
5035  format(A22,f4.1,A2,f10.2,2x,f10.2,1x,f10.2,3x,f10.2,4x,f10.2)
      write(11,5035)'NPS future growth    (',nps_FG_per,'%)    ',nps_FG_
     &sod_load_tot,nps_FG_summary_cbodu,nps_FG_summary_org,nps_FG_s
     &ummary_ammon,nps_FG_tot_oxy_dem
5040  format(A22,f4.1,A2,f10.2,2x,f10.2,1x,f10.2,3x,f10.2,4x,f10.2)
      write(11,5040)'NPS margin of safety (',nps_mos_per,'%)    ',nps_mo
     &s_sod_load_tot,nps_mos_summary_cbodu,nps_mos_summary_org,nps_mos_s
     &ummary_ammon,nps_mos_tot_oxy_dem
5050  format(A22,f4.1,A2,f10.2,2x,f10.2,1x,f10.2,3x,f10.2,4x,f10.2)
      write(11,5050)'NPS load allocation  (',100-nps_MOS_PER-nps_FG_PER
     &,'%)    ',npS_LA_sod_load_tot,nps_LA _summary_cbodu,nps_LA_summary
     &_org,nps_La_summary_ammon,nps_LA_tot_oxy_dem
      write(11,*)' '
      write(11,*)'  '


C*****SECTION:"SUMMARY OF POINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGEMENT"

      write(11,3030)
      write(11,*)' '
      Write(11,*)'SUMMARY OF POINT SOURCE OXYGEN DEMAND FOR THIS SUBSEGE
     &MENT'
      write(11,*)' '
      if (num_pt_sour+ps_num_wstld.EQ.0) THEN
         WRITE(11,*)'For this subsegment, there are no point source disc
     &harges either modeled or unmodeled in this subsegment.'
         write(11,*)' '
         GO TO 561
```

```
         end if
      write(11,*)'  '
      write(11,4093)' Equations used: Organic N oxygen demand, kg/day =
     & ',ammoxy_rat,' * Organic N load, kg/day of N'
      write(11,4093)'                 Ammonia N oxygen demand, kg/day =
     & ',ammoxy_rat,' * Ammonia N load, kg/day of N'
5052  format(A36,f4.1,A21)
      write(11,5052)'                 Margin of Safety = ',ps_mos_per,'%
     & * point source load'
5053  format(A33,F4.1,A24)
      write(11,5053)'                 Future Growth = ',nps_FG_per,'% *
     &nonpoint source load'
5054  format(A71,f4.1,A16)
      write(11,5054)'                 Wasteload Allocation (WLA) for mod
     &eled point source = ',100-ps_mos_per-ps_FG_per,'% * modeled load'
5056  format(A70,f4.1,A19)
      write(11,5056)'                 Wasteload Allocation (WLA) for min
     &or point sources = ',100-ps_mos_per-ps_FG_per,'% * calculated load
     &'
      write(11,*)' '
      write(11,*)'Values from calculations above'
      write(11,*)'
     & Nitrogen loads (kg/day of N):'
      write(11,*)'                                                      -
     &--------------------------------'
      write(11,*)'                                            CBODu    O
     &rganic N   Ammonia N    NO3+NO2'
      write(11,*)'                                           (kg/day)
     &(kg/day)    (kg/day)    (kg/day)'
      write(11,*)'                                           -------   -
     &--------    --------    --------'
      if (ps_num_wstld .EQ.0) then
      go to 470
      end if
      DO 450 cir=1,ps_num_wstld
5060  Format(A17,1x,A20,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,5060)'Modeled load for:' ,ps_wstld_name(cir),
     &ps_WSTLD2_Bod_cal(cir),ps_WSTLD2_ORG_cal(cir), ps_WSTLD2_N
     &h3_cal(cir),ps_WSTLd2_NO3_cal(cir)
450   continue
5080  format(A38,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
470   write(11,5080)'Calculated load for minor point sources   ',cbodu_t
     &mdl_tot,org_N_tmdl_tot,ammon_tmdl_tot,no3_tmdl_tot
      write(11,*)'  '
      write(11,*)'  '
      write(11,*)'Calculated loads of oxygen demand'
      write(11,*)' '
      write(11,*)'
     & Oygen demand loads:     Total'
      write(11,*)'
     & -------------------     Oxygen'
      write(11,*)'                                            CBODu    O
     &rganic N   Ammonia N     demand'
      write(11,*)'                                           (kg/day)
     &(kg/day)    (kg/day)    (kg/day)'
      write(11,*)'                                           -------   -
     &--------    --------    --------'
      if (ps_num_wstld .EQ.0) then
      go to 540
      end if
      DO 490 cir=1,ps_num_wstld
      write(11,5060)'Modeled load for:',ps_wstld_name(cir),
     &oxy_dem_ps_WSTLD2_Bod_cal(cir),oxy_dem_ps_WSTLD2_ORG_cal(cir),oxy_
```

```
     &dem_ps_WSTLD2_Nh3_cal(cir),mod_tot_oxy_dem_ps(cir)
490   continue
540   write(11,5080)'Calculated load for minor point sources   ',cbodu_t
     &mdl_tot,oxy_dem_org_N_tmdl, oxy_dem_ammon_tmdl,min_ps_summary_tot
      write(11,5080)'Total for all point source loads             ',ps_s
     &ummary_cbodu, ps_summary_org,ps_summary_nh3_n,tot_oxy_dem_summary
      write(11,*)' '
5090  Format(A31,f4.1,A3,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,5090)'MOS for all point Sources     (',ps_mos_per,'%)  ',
     &mos_ps_summary_cbodu, mos_ps_summary_org,mos_ps_summary_nh3_n,mos_
     &tot_oxy_dem_summary
5092  Format(A31,f4.1,A3,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,5092)'FG for all point Sources      (',ps_FG_per,'%)  ',
     &FG_ps_summary_cbodu,FG_ps_summary_org,FG_ps_summary_nh3_n,FG_
     &tot_oxy_dem_summary

      if (ps_num_wstld .EQ.0) then
      go to 560
      end if
      DO 550 cir=1,ps_num_wstld
5095  Format(A8,1x,A21,A1,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,5095)'WLA for:',ps_wstld_name(cir),'(',100-ps_mos_per-ps_
     &FG_per,'%)',wla_ps_WSTLD2_BOD_cal(cir),wla_ps_WSTLD2_ORG_cal(cir),
     &wla_ps_WSTLd2_nH3_cal(cir),wla_mod_tot_oxy_dem_ps(cir)
550   continue
6000  format(A31,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
560   write(11,6000)'WLA for minor point sources   (',100-ps_mos_per-ps_
     &FG_per,'%)   ',wla_ps_cbodu_tmdl_tot,wla_ps_org_N_tmdl_tot, wla_ps
     &_ammon_tmdl_tot,wla_min_ps_summary_tot


      if (nut_tmdl_need .EQ. 'YES') then
         goto 561
      else
         go to 605
      end if


C*****SECTION:"NUTRIENT TMDL CALCULATIONS:"

561   write(11,3030)
      write(11,*)' '
      write(11,*)' '
      write(11,*)'NUTRIENT TMDL CALCULATIONS:'
      write(11,*)'  '
      if(nut_tmdl_need.EQ.'NO') then
      write(11,*)'No nutrient TMDL is needed for this subsegment'
      go to 605
      end if
      write(11,*)'Assumptions: Naturally occurring ratio of total N to t
     &otal P = ',nat_rat
      write(11,*)' '
      write(11,*)'Equations used: Total N = (Organic N) + (Ammonia N) +
     &(NO2+NO3 N)'
      write(11,*)'                Total P = (Total N) / (Naturally occur
     &ring ratio of total N to total P)'
6010  format(A39,f4.1,A24)
      write(11,6010)'              NPS margin of safety = ',nps_mos_per,
     &'% * nonpoint source load'
6015  format(A36,f4.1,A24)
      write(11,6015)'              NPS Future Growth = ',nps_FG_per,
     &'% * nonpoint source load'
6020  format(A38,f4.1,A24)
```

```
      write(11,6020)'                NPS load allocation = ',100-nps_mos
     &_per-nps_FG_per,'% * nonpoint source load'
6030  format(A57,f4.1,A27)
      write(11,6030)'                Margin of safety for all point sour
     &ces = ',ps_mos_per,'% * total point source load'
6035  format(A53,F4.1,A24)
      write(11,6035)'                Future Growth for all point soures
     &= ',nps_FG_per,'% * nonpoint source load'
6040  format(A70,f4.1,A16)
      write(11,6040)'                Wasteload allocation (WLA) for mode
     &led point source = ',100-ps_mos_per-ps_FG_per,'% * modeled load'
6050  format(A69,f4.1,A19)
      write(11,6050)'                Wasteload allocation (WLA) for mino
     &r point sources = ',100-ps_mos_per-ps_FG_per,'% * calculated load'
      write(11,*)'  '
      write(11,*)' '
      write(11,*)'Nonpoint sources:'
      write(11,*)'                                            Organic N
     &Ammonia N   NO2+NO3 N    Total N     Total P'
      write(11,*)'                                             (kg/day)
     & (kg/day)    (kg/day)    (kg/day)    (kg/day)'
      write(11,*)'                                             --------
     & --------    --------    --------    --------'
6060  format(A25,16x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,6060)'Total for all NPS loads                    ',nut_tm
     &dl_nps_org_N_tot,nps_nh3_n_tot,nps_NO3_tot,nps_tot_nitrogen_load,n
     &ps_total_P
      write(11,*)'  '
6070  format(A22,f4.1,A2,13x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,6070)'NPS margin of safety (',nps_mos_per,'%)    ',nps_mo
     &s_nut_tmdl_nps_Org_N_tot,nps_mos_nps_nh3_n_tot,nps_mos_nps_NO3_tot
     &,nps_mos_tot_nitrogen_load,nps_mos_total_p
6075  format(A22,f4.1,A2,13x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,6075)'NPS Future Growth    (',nps_mos_per,'%)    ',nps_FG
     &_nut_tmdl_nps_Org_N_tot,nps_FG_nps_nh3_n_tot,nps_FG_nps_NO3_tot
     &,nps_FG_tot_nitrogen_load,nps_FG_total_p
6080  format(A22,f4.1,A2,13x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,6080)'NPS load allocation  (',100-nps_mos_per-nps_FG_per,
     &'%)    ',nps_la_nut_tmdl_nps_Org_N_tot,nps_la_nps_nh3_n_tot,nps_la
     &_nps_NO3_tot,nps_la_tot_nitrogen_load,nps_la_total_p
      write(11,*)' '
      write(11,*)'  '
      write(11,*)'Point sources:'
      write(11,*)' '
      write(11,*)'                                            Organic N
     &Ammonia N   NO2+NO3 N    Total N     Total P'
      write(11,*)'                                             (kg/day)
     & (kg/day)    (kg/day)    (kg/day)    (kg/day)'
      write(11,*)'                                             --------
     & --------    --------    --------    --------'
      if (ps_num_wstld .EQ.0) then
      go to 590
      end if
      DO 585 cir=1,ps_num_wstld
6085  Format(A17,1x,A14,8x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
        write(11,6085)'Modeled load for:',ps_wstld_name(cir),
     &ps_WSTLD2_ORG_cal(cir),ps_WSTLD2_Nh3_cal(cir),ps_WSTLd2_NO3_cal(c
     &ir),ps_total_nitrogen_load(cir),ps_total_P(cir)

585   continue
c5080  format(A38,2x,f10.5,2x,f10.5,2x,f10.5,2x,f10.5)
6090  format(A38,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
590   write(11,6090)'Calculated load for minor point sources   ',org_N_t
```

```
     &mdl_tot,ammon_tmdl_tot,no3_tmdl_tot,min_ps_total_nitrogen_load,min
     &_ps_total_P
      write(11,*)'                                            --------
     & --------    --------    --------    --------'
      write(11,6090)'Total for all point source loads             ',ps_n
     &ut_tmdl_summary_org_N_tot,ps_nut_tmdl_summary_nh3_N_tot,ps_nut_tmd
     &l_summary_no3_N_tot,ps_tot_nitrogen_final_load,ps_tot_P_final
      write(11,*)' '
7000  Format(A31,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,7000)'MOS for all point Sources     (',ps_mos_per,'%)',
     &mos_ps_nut_tmdl_sum_org_N_tot,mos_ps_nut_tmdl_sum_nh3_N_tot,
     &mos_ps_nut_tmdl_sum_no3_N_tot,mos_ps_tot_nitrogen_final_load,
     &mos_ps_tot_P_final
7005  Format(A31,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)
      write(11,7005)'FG for all point Sources      (',ps_mos_p
     &er,'%)',FG_ps_nut_tmdl_sum_org_N_tot,FG_ps_nut_tmdl_sum_nh3_N_to
     &t,FG_ps_nut_tmdl_sum_no3_N_tot,FG_ps_tot_nitrogen_final_load,
     &FG_ps_tot_P_final
      if (ps_num_wstld .EQ.0) then
      go to 610
      end if
      DO 600 cir=1,ps_num_wstld
7010  Format(A9,1x,A20,A1,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2
     &x,f10.2)
600   write(11,7010)'WLA for: ',ps_wstld_name(cir),'(',100-ps_mos_per-ps
     &_FG_per,'%)',wla_ps_WSTLD2_ORG_cal_sum(cir),wla_ps_WSTLd2_nH3_cal_
     &sum(cir),wla_ps_wstLD2_NO3_cal_sum(cir),wla_ps_total_nitrogen_load
     &(cir),wla_ps_total_P(cir)
610   continue
7020  format(A31,f4.1,A2,3x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2,2x,f10.2)

      write(11,7020)'WLA for minor point sources   (',100-ps_mos_per-ps_
     &FG_per,'%)   ',wla_min_ps_nut_tmdl_sum_org,wla_min_ps_nut_tmdl_sum
     &_nh3,wla_min_ps_nut_tmdl_sum_no3,wla_min_ps_nitrogen_final_load
     &,wla_min_ps_P_final

605   Print*,'Program has made the output file!!!'

606   STOP
      END
```

APPENDIX O

Ammonia Toxicity Calculations

AMMONIA TOXICITY CALCULATIONS FOR BAYOU DORCHEAT (SUBSEGMENT 100501)

Equations from 1999 Update of Ambient Water Quality Criteria for Ammonia, EPA-822-R-99-014, Dec. 1999.

Use chronic criterion when fish early life stages are present (as mentioned on page 88, this is the same as CCC for early life stages absent when temp > 15 ^{o}C)

CCC, in mg N/L = $[\ 0.0577/(1+10^{7.688-pH}) + 2.487/(1+10^{pH-7.688})\ ] * MIN\ [2.85,\ 1.45*10^{0.028*(25-T)}]$

Note: CCC is the Chronic Criterion Concentration

CCC calculations below use seasonal average pH from LDEQ ambient monitoring data at stations 0061 (Bayou Dorcheat west of Minden) and 0124 (Bayou Dorcheat west of Sibley):

Summer (May-Oct)		Winter (Nov-Apr)	
Date	pH (su)	Date	pH (su)
1-Jun-58	6.00	12-Feb-90	6.00
1-Jul-58	6.50	9-Apr-90	6.81
1-Sep-58	6.60	10-Dec-90	6.68
1-Oct-58	6.00	4-Feb-91	6.40
1-May-59	6.20	15-Apr-91	6.02
1-Jul-59	6.20	9-Dec-91	5.42
1-Aug-59	6.00	11-Feb-92	6.17
1-Oct-59	6.60	7-Apr-92	6.43
1-May-60	6.40	15-Dec-92	7.32
1-Jun-60	6.60	8-Feb-93	6.86
1-Jul-60	6.60	12-Apr-93	6.33
1-Aug-60	6.80	13-Dec-93	6.98
1-Sep-60	6.60	7-Feb-94	6.46
1-Oct-60	7.20	11-Apr-94	6.36
1-May-61	6.60	12-Dec-94	7.03
1-Jun-61	6.60	13-Feb-95	7.42
1-Jul-61	6.80	3-Apr-95	7.58
1-Sep-61	6.40	12-Dec-95	7.77
1-Oct-61	6.60	12-Feb-96	8.02
1-May-62	6.40	10-Dec-96	8.04
1-Jun-62	6.20	17-Feb-97	8.10
1-Jul-62	6.60	14-Apr-97	7.51
1-Aug-62	6.80	8-Dec-97	7.11
1-Sep-62	7.00	9-Feb-98	8.01
1-Oct-62	6.60	13-Apr-98	7.80
1-May-63	6.00	1-Nov-58	6.40
1-Jun-63	7.00	1-Dec-58	6.00
1-Jul-63	6.80	1-Jan-59	6.60
1-Aug-63	6.80	1-Feb-59	6.70
1-Sep-63	7.00	1-Mar-59	6.50
1-Oct-63	7.80	1-Apr-59	6.90
1-May-64	6.20	1-Nov-59	6.60
1-Jun-64	6.80	1-Dec-59	6.60
1-Jul-64	6.80	1-Jan-60	6.00
1-Aug-64	7.00	1-Feb-60	6.10
1-Sep-64	6.80	1-Mar-60	5.40
1-Oct-64	6.40	1-Apr-60	6.40
1-May-65	6.60	1-Nov-60	6.80
1-Jun-65	6.60	1-Dec-60	6.60
1-Jul-65	6.60	1-Jan-61	6.00
1-Aug-65	7.00	1-Feb-61	6.00
1-Sep-65	7.20	1-Mar-61	6.60
1-Oct-65	6.80	1-Apr-61	6.80
1-May-66	6.60	1-Nov-61	6.60
1-Jun-66	6.60	1-Dec-61	6.00

1-Jul-66	6.90	1-Jan-62	6.40
1-Aug-66	6.80	1-Feb-62	6.20
1-Sep-66	7.00	1-Apr-62	6.60
1-Oct-66	7.00	1-Nov-62	6.80
1-May-67	6.80	1-Dec-62	6.70
1-Jun-67	6.40	1-Jan-63	6.80
1-Jul-67	6.60	1-Feb-63	6.80
1-Aug-67	6.80	1-Mar-63	6.60
1-Sep-67	6.80	1-Apr-63	6.60
1-Oct-67	6.80	1-Nov-63	6.80
1-May-68	6.60	1-Dec-63	6.80
1-Jun-68	6.20	1-Jan-64	6.80
1-Jul-68	6.60	1-Feb-64	7.00
1-Aug-68	6.60	1-Mar-64	6.60
1-Sep-68	6.40	1-Apr-64	6.40
1-Oct-68	6.60	1-Nov-64	6.60
1-May-69	6.60	1-Dec-64	6.80
1-Jun-69	6.60	1-Jan-65	6.40
1-Jul-69	7.20	1-Feb-65	6.60
1-Aug-69	6.40	1-Mar-65	6.40
1-Sep-69	7.00	1-Apr-65	6.20
1-Oct-69	7.00	1-Nov-65	6.80
1-May-70	6.60	1-Dec-65	7.00
1-Jun-70	6.60	1-Jan-66	6.80
1-Jul-70	7.00	1-Feb-66	6.60
1-Aug-70	6.90	1-Mar-66	6.80
1-Sep-70	6.80	1-Apr-66	7.00
1-Oct-70	7.00	1-Nov-66	7.00
1-May-71	6.60	1-Dec-66	7.20
1-Jun-71	6.60	1-Jan-67	6.40
1-Jul-71	7.00	1-Feb-67	6.60
1-Aug-71	6.60	1-Mar-67	6.60
1-Sep-71	7.00	1-Apr-67	6.60
1-Oct-71	6.80	1-Nov-67	6.80
1-May-72	6.60	1-Dec-67	6.80
1-Jun-72	6.40	1-Jan-68	6.60
1-Jul-72	6.00	1-Feb-68	6.60
1-Aug-72	6.80	1-Mar-68	6.60
1-Sep-72	7.00	1-Apr-68	6.60
1-Oct-72	6.80	1-Nov-68	6.80
1-Jul-73	6.60	1-Dec-68	6.60
1-Sep-73	7.00	1-Jan-69	6.60
1-Oct-73	7.30	1-Feb-69	6.60
1-May-74	6.60	1-Mar-69	6.80
10-Jun-74	6.60	1-Apr-69	6.40
2-Jul-74	6.60	1-Nov-69	7.00
1-Aug-74	6.60	1-Dec-69	6.80
4-Sep-74	6.00	1-Jan-70	6.60
1-Oct-74	6.60	1-Feb-70	6.60
1-May-75	6.70	1-Mar-70	6.60
2-Jun-75	6.80	1-Apr-70	6.60
2-Jul-75	7.30	1-Nov-70	6.80
4-Aug-75	6.60	1-Dec-70	6.70
1-Sep-75	7.20	1-Jan-71	6.80
1-Oct-75	6.60	1-Mar-71	6.60
1-Jun-76	6.60	1-Apr-71	6.60
2-Jul-76	6.40	1-Nov-71	6.80
2-Aug-76	6.60	1-Dec-71	6.80
6-Sep-76	6.80	1-Jan-72	6.00
4-Oct-76	6.60	1-Feb-72	6.60
3-May-77	6.00	1-Mar-72	6.60
1-Jun-77	6.60	1-Apr-72	6.40

5-Jul-77	6.80	1-Nov-72	6.80
4-Aug-77	6.90	1-Dec-72	6.60
2-Sep-77	7.10	1-Jan-73	7.00
3-Oct-77	7.00	1-Feb-73	6.40
8-May-78	6.20	1-Mar-73	6.40
12-Jun-78	6.80	1-Apr-73	6.20
10-Jul-78	6.80	1-Nov-73	6.40
14-Aug-78	6.40	1-Dec-73	6.30
11-Sep-78	7.00	7-Jan-74	6.50
6-Oct-78	6.80	4-Feb-74	6.30
14-May-79	6.60	12-Mar-74	6.00
11-Jun-79	6.40	1-Apr-74	6.60
9-Jul-79	6.40	14-Nov-74	6.40
13-Aug-79	6.60	3-Dec-74	6.60
10-Sep-79	6.40	2-Jan-75	6.00
12-May-80	6.40	4-Feb-75	6.75
9-Jun-80	6.40	2-Apr-75	7.00
11-Aug-80	6.60	3-Nov-75	6.60
15-Sep-80	6.40	5-Dec-75	6.70
13-Oct-80	7.00	6-Jan-76	6.60
11-May-81	6.60	6-Feb-76	6.80
8-Jun-81	6.40	1-Mar-76	6.20
13-Jul-81	6.00	1-Apr-76	6.60
10-Aug-81	6.60	2-Dec-76	7.00
14-Sep-81	6.80	6-Jan-77	6.80
12-Oct-81	6.60	4-Feb-77	6.40
10-May-82	6.80	1-Mar-77	6.40
14-Jun-82	6.60	5-Apr-77	6.20
12-Jul-82	6.40	2-Nov-77	6.60
9-Aug-82	6.60	2-Dec-77	6.60
13-Sep-82	6.40	3-Jan-78	7.00
11-Oct-82	6.60	6-Mar-78	6.60
10-May-83	6.76	10-Apr-78	6.40
13-Jun-83	6.48	13-Nov-78	6.90
11-Jul-83	6.72	11-Dec-78	6.60
8-Aug-83	7.40	8-Jan-79	6.80
12-Sep-83	7.44	12-Feb-79	6.20
10-Oct-83	7.54	13-Mar-79	6.00
14-May-84	9.33	16-Apr-79	6.60
11-Jun-84	6.80	10-Dec-79	6.40
9-Jul-84	6.50	14-Jan-80	6.60
13-Aug-84	5.85	11-Feb-80	6.40
10-Sep-84	7.78	10-Mar-80	6.40
8-Oct-84	6.85	14-Apr-80	6.60
13-May-85	8.50	17-Nov-80	6.40
10-Jun-85	6.80	8-Dec-80	6.60
8-Jul-85	7.00	12-Jan-81	6.80
12-Aug-85	7.76	9-Feb-81	6.80
9-Sep-85	7.57	9-Mar-81	6.60
14-Oct-85	7.20	14-Apr-81	6.40
12-May-86	5.90	16-Nov-81	6.60
9-Jun-86	7.30	14-Dec-81	6.60
14-Jul-86	5.80	11-Jan-82	6.80
11-Aug-86	5.90	9-Feb-82	6.40
8-Sep-86	6.10	8-Mar-82	5.50
13-Oct-86	6.90	12-Apr-82	6.80
11-May-87	6.07	15-Nov-82	6.80
9-Jun-87	6.08	13-Dec-82	6.60
13-Jul-87	6.04	10-Jan-83	5.50
11-Aug-87	6.94	7-Feb-83	7.90
14-Sep-87	6.10	14-Mar-83	6.47
12-Oct-87	5.93	11-Apr-83	7.84

9-May-88	5.70	14-Nov-83	7.26
14-Jun-88	6.30	12-Dec-83	7.12
11-Jul-88	6.40	9-Jan-84	7.50
8-Aug-88	6.61	13-Feb-84	7.80
12-Sep-88	6.20	12-Mar-84	7.41
10-Oct-88	6.26	9-Apr-84	7.23
8-May-89	6.15	13-Nov-84	7.60
12-Jun-89	6.46	10-Dec-84	9.62
11-Jul-89	6.57	14-Jan-85	8.20
14-Aug-89	5.94	11-Feb-85	9.45
11-Sep-89	6.31	11-Mar-85	8.00
9-Oct-89	6.59	9-Apr-85	6.90
11-Jun-90	7.72	18-Nov-85	7.21
13-Aug-90	7.50	9-Dec-85	8.00
15-Oct-90	8.25	13-Jan-86	6.30
10-Jun-91	6.40	17-Feb-86	4.50
12-Aug-91	7.24	17-Mar-86	6.10
15-Oct-91	6.89	14-Apr-86	6.10
16-Jun-92	6.88	17-Nov-86	4.50
11-Aug-92	7.26	8-Dec-86	6.00
12-Oct-92	8.08	12-Jan-87	6.00
15-Jun-93	7.62	16-Feb-87	5.92
10-Aug-93	6.97	9-Mar-87	7.60
12-Oct-93	7.11	13-Apr-87	5.83
14-Jun-94	7.05	17-Nov-87	6.90
9-Aug-94	7.45	14-Dec-87	6.20
10-Oct-94	7.58	11-Jan-88	5.40
13-Jun-95	7.17	8-Feb-88	5.91
14-Aug-95	7.85	14-Mar-88	5.40
10-Oct-95	7.29	11-Apr-88	6.06
9-Apr-96	7.87	15-Nov-88	6.10
11-Jun-96	7.71	12-Dec-88	5.72
12-Aug-96	7.74	9-Jan-89	6.23
14-Oct-96	8.33	13-Feb-89	6.16
10-Jun-97	7.61	13-Mar-89	6.32
11-Aug-97	7.80	10-Apr-89	6.50
13-Oct-97	7.65	13-Nov-89	6.55
7-May-02	6.30	11-Dec-89	6.47
4-Jun-02	6.25	7-Jan-02	13.12
16-Jul-02	13.12	5-Feb-02	7.30
6-Aug-02	6.31	5-Mar-02	6.80
10-Sep-02	6.08	2-Apr-02	6.49
8-Oct-02	12.10	2-Apr-02	6.48
		6-Nov-02	6.22
Average =	6.81	3-Dec-02	6.10
		Average =	6.68

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
1	30.8	2.40	0.09	No	19.6	4.67	0.13	No
2	30.8	2.20	0.09	No	19.6	4.67	0.13	No
3	30.8	2.20	0.10	No	19.6	4.67	0.14	No
4	30.8	2.20	0.10	No	19.6	4.67	0.14	No
5	30.8	2.20	0.10	No	19.6	4.67	0.14	No
6	30.8	2.20	0.10	No	19.6	4.67	0.14	No
7	30.8	2.20	0.10	No	19.6	4.67	0.14	No
8	30.8	2.20	0.09	No	19.6	4.67	0.14	No
9	30.8	2.20	0.09	No	19.6	4.67	0.15	No
10	30.8	2.20	0.09	No	19.6	4.67	0.15	No
11	30.8	2.20	0.09	No	19.6	4.67	0.15	No
12	30.8	2.20	0.09	No	19.6	4.67	0.15	No
13	30.8	2.20	0.09	No	19.6	4.67	0.15	No
14	30.8	2.20	0.09	No	19.6	4.67	0.15	No
15	30.8	2.20	0.09	No	19.6	4.67	0.16	No
16	30.8	2.20	0.09	No	19.6	4.67	0.16	No
17	30.8	2.20	0.09	No	19.6	4.67	0.16	No
18	30.8	2.20	0.09	No	19.6	4.67	0.16	No
19	30.8	2.20	0.09	No	19.6	4.67	0.16	No
20	30.8	2.20	0.09	No	19.6	4.67	0.16	No
21	30.8	2.20	0.09	No	19.6	4.67	0.16	No
22	30.8	2.20	0.09	No	19.6	4.67	0.17	No
23	30.8	2.20	0.09	No	19.6	4.67	0.17	No
24	30.8	2.20	0.09	No	19.6	4.67	0.17	No
25	30.8	2.20	0.09	No	19.6	4.67	0.17	No
26	30.8	2.20	0.09	No	19.6	4.67	0.17	No
27	30.8	2.20	0.09	No	19.6	4.67	0.17	No
28	30.8	2.20	0.09	No	19.6	4.67	0.17	No
29	30.8	2.20	0.09	No	19.6	4.67	0.17	No
30	30.8	2.20	0.09	No	19.6	4.67	0.18	No
31	30.8	2.20	0.09	No	19.6	4.67	0.18	No
32	30.8	2.20	0.09	No	19.6	4.67	0.18	No
33	30.8	2.20	0.09	No	19.6	4.67	0.18	No
34	30.8	2.20	0.09	No	19.6	4.67	0.18	No
35	30.8	2.20	0.09	No	19.6	4.67	0.18	No
36	30.8	2.20	0.09	No	19.6	4.67	0.18	No
37	30.8	2.20	0.09	No	19.6	4.67	0.18	No
38	30.8	2.20	0.09	No	19.6	4.67	0.18	No
39	30.8	2.20	0.09	No	19.6	4.67	0.19	No
40	30.8	2.20	0.09	No	19.6	4.67	0.19	No
41	30.8	2.20	0.09	No	19.6	4.67	0.19	No
42	30.8	2.20	0.09	No	19.6	4.67	0.19	No
43	30.8	2.20	0.09	No	19.6	4.67	0.19	No
44	30.8	2.20	0.09	No	19.6	4.67	0.19	No
45	30.8	2.20	0.09	No	19.6	4.67	0.19	No
46	30.8	2.20	3.08	Toxic	19.6	4.67	1.42	No
47	30.8	2.20	3.04	Toxic	19.6	4.67	1.42	No
48	30.8	2.20	3.00	Toxic	19.6	4.67	1.41	No
49	30.8	2.20	2.96	Toxic	19.6	4.67	1.41	No
50	30.8	2.20	2.92	Toxic	19.6	4.67	1.41	No
51	30.8	2.20	2.85	Toxic	19.6	4.67	1.40	No
52	30.8	2.20	2.81	Toxic	19.6	4.67	1.39	No
53	30.8	2.20	2.77	Toxic	19.6	4.67	1.39	No
54	30.8	2.20	2.74	Toxic	19.6	4.67	1.39	No
55	30.8	2.20	2.70	Toxic	19.6	4.67	1.38	No
56	30.8	2.20	2.66	Toxic	19.6	4.67	1.38	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
57	30.8	2.20	2.63	Toxic	19.6	4.67	1.38	No
58	30.8	2.20	2.59	Toxic	19.6	4.67	1.37	No
59	30.8	2.20	2.56	Toxic	19.6	4.67	1.37	No
60	30.8	2.20	2.52	Toxic	19.6	4.67	1.36	No
61	30.8	2.20	2.49	Toxic	19.6	4.67	1.36	No
62	30.8	2.20	2.46	Toxic	19.6	4.67	1.36	No
63	30.8	2.20	2.42	Toxic	19.6	4.67	1.35	No
64	30.8	2.20	2.39	Toxic	19.6	4.67	1.35	No
65	30.8	2.20	2.36	Toxic	19.6	4.67	1.35	No
66	30.8	2.20	2.33	Toxic	19.6	4.67	1.34	No
67	30.8	2.20	2.30	Toxic	19.6	4.67	1.34	No
68	30.8	2.20	2.27	Toxic	19.6	4.67	1.34	No
69	30.8	2.20	2.23	Toxic	19.6	4.67	1.33	No
70	30.8	2.20	2.20	Toxic	19.6	4.67	1.33	No
71	30.8	2.20	2.17	No	19.6	4.67	1.33	No
72	30.8	2.20	2.15	No	19.6	4.67	1.32	No
73	30.8	2.20	2.12	No	19.6	4.67	1.32	No
74	30.8	2.20	2.09	No	19.6	4.67	1.31	No
75	30.8	2.20	2.06	No	19.6	4.67	1.31	No
76	30.8	2.20	2.03	No	19.6	4.67	1.31	No
77	30.8	2.20	2.00	No	19.6	4.67	1.30	No
78	30.8	2.20	1.98	No	19.6	4.67	1.30	No
79	30.8	2.20	1.95	No	19.6	4.67	1.30	No
80	30.8	2.20	1.92	No	19.6	4.67	1.29	No
81	30.8	2.20	0.82	No	19.6	4.67	0.30	No
82	30.8	2.20	0.64	No	19.6	4.67	0.30	No
83	30.8	2.20	0.51	No	19.6	4.67	0.30	No
84	30.8	2.20	0.41	No	19.6	4.67	0.30	No
85	30.8	2.20	0.34	No	19.6	4.67	0.30	No
86	30.8	2.20	0.28	No	19.6	4.67	0.30	No
87	30.8	2.20	0.24	No	19.6	4.67	0.30	No
88	30.8	2.20	0.22	No	19.6	4.67	0.30	No
89	30.8	2.20	0.19	No	19.6	4.67	0.30	No
90	30.8	2.20	0.18	No	19.6	4.67	0.30	No
91	30.8	2.20	0.17	No	19.6	4.67	0.30	No
92	30.8	2.20	0.16	No	19.6	4.67	0.29	No
93	30.8	2.20	0.15	No	19.6	4.67	0.29	No
94	30.8	2.20	0.15	No	19.6	4.67	0.29	No
95	30.8	2.20	0.14	No	19.6	4.67	0.29	No
96	30.8	2.20	0.14	No	19.6	4.67	0.29	No
97	30.8	2.20	0.14	No	19.6	4.67	0.29	No
98	30.8	2.20	0.13	No	19.6	4.67	0.29	No
99	30.8	2.20	0.13	No	19.6	4.67	0.29	No
100	30.8	2.20	0.13	No	19.6	4.67	0.29	No
101	30.8	2.20	0.13	No	19.6	4.67	0.29	No
102	30.8	2.20	0.13	No	19.6	4.67	0.29	No
103	30.8	2.20	0.13	No	19.6	4.67	0.29	No
104	30.8	2.20	0.12	No	19.6	4.67	0.29	No
105	30.8	2.20	0.12	No	19.6	4.67	0.29	No
106	30.8	2.20	0.12	No	19.6	4.67	0.29	No
107	30.8	2.20	0.12	No	19.6	4.67	0.29	No
108	30.8	2.20	0.12	No	19.6	4.67	0.29	No
109	30.8	2.20	0.12	No	19.6	4.67	0.29	No
110	30.8	2.20	0.12	No	19.6	4.67	0.29	No
111	30.8	2.20	0.12	No	19.6	4.67	0.29	No
112	30.8	2.20	0.12	No	19.6	4.67	0.29	No
113	30.8	2.20	0.12	No	19.6	4.67	0.29	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
114	30.8	2.20	0.12	No	19.6	4.67	0.29	No
115	30.8	2.20	0.12	No	19.6	4.67	0.29	No
116	30.8	2.20	0.12	No	19.6	4.67	0.29	No
117	30.8	2.20	0.12	No	19.6	4.67	0.29	No
118	30.8	2.20	0.12	No	19.6	4.67	0.29	No
119	30.8	2.20	0.11	No	19.6	4.67	0.28	No
120	30.8	2.20	0.11	No	19.6	4.67	0.28	No
121	30.8	2.20	0.11	No	19.6	4.67	0.28	No
122	30.8	2.20	0.11	No	19.6	4.67	0.28	No
123	30.8	2.20	0.11	No	19.6	4.67	0.28	No
124	30.8	2.20	0.11	No	19.6	4.67	0.28	No
125	30.8	2.20	0.11	No	19.6	4.67	0.28	No
126	30.8	2.20	0.11	No	19.6	4.67	0.28	No
127	30.8	2.20	0.11	No	19.6	4.67	0.28	No
128	30.8	2.20	0.11	No	19.6	4.67	0.28	No
129	30.8	2.20	0.11	No	19.6	4.67	0.28	No
130	30.8	2.20	0.11	No	19.6	4.67	0.28	No
131	30.8	2.20	0.11	No	19.6	4.67	0.28	No
132	30.8	2.20	0.11	No	19.6	4.67	0.28	No
133	30.8	2.20	0.11	No	19.6	4.67	0.28	No
134	30.8	2.20	0.11	No	19.6	4.67	0.28	No
135	30.8	2.20	0.11	No	19.6	4.67	0.28	No
136	30.8	2.20	0.11	No	19.6	4.67	0.28	No
137	30.8	2.20	0.11	No	19.6	4.67	0.28	No
138	30.8	2.20	0.11	No	19.6	4.67	0.28	No
139	30.8	2.20	0.11	No	19.6	4.67	0.28	No
140	30.8	2.20	0.11	No	19.6	4.67	0.28	No
141	30.8	2.20	0.11	No	19.6	4.67	0.28	No
142	30.8	2.20	0.11	No	19.6	4.67	0.28	No
143	30.8	2.20	0.11	No	19.6	4.67	0.28	No
144	30.8	2.20	0.11	No	19.6	4.67	0.28	No
145	30.8	2.20	0.11	No	19.6	4.67	0.28	No
146	30.8	2.20	0.11	No	19.6	4.67	0.28	No
147	30.8	2.20	0.11	No	19.6	4.67	0.28	No
148	30.8	2.20	0.11	No	19.6	4.67	0.28	No
149	30.8	2.20	0.11	No	19.6	4.67	0.28	No
150	30.8	2.20	0.11	No	19.6	4.67	0.28	No
151	30.8	2.20	0.11	No	19.6	4.67	0.28	No
152	30.8	2.20	0.11	No	19.6	4.67	0.28	No
153	30.8	2.20	0.11	No	19.6	4.67	0.28	No
154	30.8	2.20	0.11	No	19.6	4.67	0.28	No
155	30.8	2.20	0.11	No	19.6	4.67	0.28	No
156	30.8	2.20	0.11	No	19.6	4.67	0.28	No
157	30.8	2.20	0.11	No	19.6	4.67	0.28	No
158	30.8	2.20	0.11	No	19.6	4.67	0.28	No
159	30.8	2.20	0.11	No	19.6	4.67	0.28	No
160	30.8	2.20	0.11	No	19.6	4.67	0.28	No
161	30.8	2.20	0.11	No	19.6	4.67	0.28	No
162	30.8	2.20	0.11	No	19.6	4.67	0.28	No
163	30.8	2.20	0.11	No	19.6	4.67	0.28	No
164	30.8	2.20	0.11	No	19.6	4.67	0.28	No
165	30.8	2.20	0.11	No	19.6	4.67	0.28	No
166	30.8	2.20	0.11	No	19.6	4.67	0.28	No
167	30.8	2.20	0.11	No	19.6	4.67	0.29	No
168	30.8	2.20	0.11	No	19.6	4.67	0.29	No
169	30.8	2.20	0.11	No	19.6	4.67	0.29	No
170	30.8	2.20	0.11	No	19.6	4.67	0.29	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
171	30.8	2.20	0.11	No	19.6	4.67	0.29	No
172	30.8	2.20	0.11	No	19.6	4.67	0.29	No
173	30.8	2.20	0.11	No	19.6	4.67	0.29	No
174	30.8	2.20	0.11	No	19.6	4.67	0.29	No
175	30.8	2.20	0.11	No	19.6	4.67	0.29	No
176	30.8	2.20	0.11	No	19.6	4.67	0.29	No
177	30.8	2.20	0.11	No	19.6	4.67	0.29	No
178	30.8	2.20	0.11	No	19.6	4.67	0.29	No
179	30.8	2.20	0.11	No	19.6	4.67	0.29	No
180	30.8	2.20	0.11	No	19.6	4.67	0.29	No
181	30.8	2.20	0.11	No	19.6	4.67	0.29	No
182	30.8	2.20	0.11	No	19.6	4.67	0.29	No
183	30.8	2.20	0.11	No	19.6	4.67	0.29	No
184	30.8	2.20	0.11	No	19.6	4.67	0.29	No
185	30.8	2.20	0.11	No	19.6	4.67	0.29	No
186	30.8	2.20	0.11	No	19.6	4.67	0.29	No
187	30.8	2.20	0.11	No	19.6	4.67	0.29	No
188	30.8	2.20	0.11	No	19.6	4.67	0.29	No
189	30.8	2.20	0.11	No	19.6	4.67	0.29	No
190	30.8	2.20	0.11	No	19.6	4.67	0.29	No
191	30.8	2.20	0.11	No	19.6	4.67	0.30	No
192	30.8	2.20	0.11	No	19.6	4.67	0.30	No
193	30.8	2.20	0.11	No	19.6	4.67	0.30	No
194	30.8	2.20	0.11	No	19.6	4.67	0.30	No
195	30.8	2.20	0.11	No	19.6	4.67	0.30	No
196	30.8	2.20	0.11	No	19.6	4.67	0.30	No
197	30.8	2.20	0.11	No	19.6	4.67	0.30	No
198	30.8	2.20	0.11	No	19.6	4.67	0.30	No
199	30.8	2.20	0.11	No	19.6	4.67	0.30	No
200	30.8	2.20	0.11	No	19.6	4.67	0.30	No
201	30.8	2.20	0.11	No	19.6	4.67	0.30	No
202	30.8	2.20	0.11	No	19.6	4.67	0.30	No
203	30.8	2.20	0.11	No	19.6	4.67	0.30	No
204	30.8	2.20	0.11	No	19.6	4.67	0.30	No
205	30.8	2.20	0.11	No	19.6	4.67	0.30	No
206	30.8	2.20	0.11	No	19.6	4.67	0.30	No
207	30.8	2.20	0.11	No	19.6	4.67	0.30	No
208	30.8	2.20	0.11	No	19.6	4.67	0.30	No
209	30.8	2.20	0.11	No	19.6	4.67	0.30	No
210	30.8	2.20	0.11	No	19.6	4.67	0.30	No
211	30.8	2.20	0.11	No	19.6	4.67	0.30	No
212	30.8	2.20	0.11	No	19.6	4.67	0.30	No
213	30.8	2.20	0.11	No	19.6	4.67	0.30	No
214	30.8	2.20	0.11	No	19.6	4.67	0.31	No
215	30.8	2.20	0.11	No	19.6	4.67	0.31	No
216	30.8	2.20	0.11	No	19.6	4.67	0.31	No
217	30.8	2.20	0.11	No	19.6	4.67	0.31	No
218	30.8	2.20	0.11	No	19.6	4.67	0.31	No
219	30.8	2.20	0.11	No	19.6	4.67	0.31	No
220	30.8	2.20	0.11	No	19.6	4.67	0.31	No
221	30.8	2.20	0.11	No	19.6	4.67	0.31	No
222	30.8	2.20	0.11	No	19.6	4.67	0.31	No
223	30.8	2.20	0.11	No	19.6	4.67	0.31	No
224	30.8	2.20	0.11	No	19.6	4.67	0.31	No
225	30.8	2.20	0.11	No	19.6	4.67	0.31	No
226	30.8	2.20	0.11	No	19.6	4.67	0.31	No
227	30.8	2.20	0.11	No	19.6	4.67	0.31	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
228	30.8	2.20	0.11	No	19.6	4.67	0.31	No
229	30.8	2.20	0.11	No	19.6	4.67	0.31	No
230	30.8	2.20	0.11	No	19.6	4.67	0.31	No
231	30.8	2.20	0.11	No	19.6	4.67	0.31	No
232	30.8	2.20	0.11	No	19.6	4.67	0.31	No
233	30.8	2.20	0.11	No	19.6	4.67	0.31	No
234	30.8	2.20	0.11	No	19.6	4.67	0.31	No
235	30.8	2.20	0.11	No	19.6	4.67	0.31	No
236	30.8	2.20	0.11	No	19.6	4.67	0.31	No
237	30.8	2.20	0.11	No	19.6	4.67	0.31	No
238	30.8	2.20	0.11	No	19.6	4.67	0.31	No
239	30.8	2.20	0.11	No	19.6	4.67	0.31	No
240	30.8	2.20	0.11	No	19.6	4.67	0.31	No
241	30.8	2.20	0.11	No	19.6	4.67	0.31	No
242	30.8	2.20	0.11	No	19.6	4.67	0.31	No
243	30.8	2.20	0.11	No	19.6	4.67	0.31	No
244	30.8	2.20	0.11	No	19.6	4.67	0.31	No
245	30.8	2.20	0.11	No	19.6	4.67	0.31	No
246	30.8	2.20	0.11	No	19.6	4.67	0.31	No
247	30.8	2.20	0.11	No	19.6	4.67	0.31	No
248	30.8	2.20	0.11	No	19.6	4.67	0.31	No
249	30.8	2.20	0.11	No	19.6	4.67	0.31	No
250	30.8	2.20	0.11	No	19.6	4.67	0.31	No
251	30.8	2.20	0.11	No	19.6	4.67	0.31	No
252	30.8	2.20	0.11	No	19.6	4.67	0.31	No
253	30.8	2.20	0.11	No	19.6	4.67	0.31	No
254	30.8	2.20	0.11	No	19.6	4.67	0.31	No
255	30.8	2.20	0.11	No	19.6	4.67	0.31	No
256	30.8	2.20	0.11	No	19.6	4.67	0.32	No
257	30.8	2.20	0.11	No	19.6	4.67	0.32	No
258	30.8	2.20	0.11	No	19.6	4.67	0.32	No
259	30.8	2.20	0.11	No	19.6	4.67	0.32	No
260	30.8	2.20	0.11	No	19.6	4.67	0.32	No
261	30.8	2.20	0.11	No	19.6	4.67	0.32	No
262	30.8	2.20	0.11	No	19.6	4.67	0.32	No
263	30.8	2.20	0.11	No	19.6	4.67	0.32	No
264	30.8	2.20	0.11	No	19.6	4.67	0.32	No
265	30.8	2.20	0.11	No	19.6	4.67	0.32	No
266	30.8	2.20	0.11	No	19.6	4.67	0.32	No
267	30.8	2.20	0.11	No	19.6	4.67	0.32	No
268	30.8	2.20	0.11	No	19.6	4.67	0.32	No
269	30.8	2.20	0.11	No	19.6	4.67	0.32	No
270	30.8	2.20	0.11	No	19.6	4.67	0.32	No
271	30.8	2.20	0.11	No	19.6	4.67	0.32	No
272	30.8	2.20	0.11	No	19.6	4.67	0.32	No
273	30.8	2.20	0.11	No	19.6	4.67	0.32	No
274	30.8	2.20	0.11	No	19.6	4.67	0.32	No
275	30.8	2.20	0.11	No	19.6	4.67	0.32	No
276	30.8	2.20	0.11	No	19.6	4.67	0.32	No
277	30.8	2.20	0.11	No	19.6	4.67	0.32	No
278	30.8	2.20	0.11	No	19.6	4.67	0.32	No
279	30.8	2.20	0.11	No	19.6	4.67	0.32	No
280	30.8	2.20	0.11	No	19.6	4.67	0.32	No
281	30.8	2.20	0.11	No	19.6	4.67	0.32	No
282	30.8	2.20	0.11	No	19.6	4.67	0.32	No
283	30.8	2.20	0.11	No	19.6	4.67	0.32	No
284	30.8	2.20	0.11	No	19.6	4.67	0.32	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
285	30.8	2.20	0.11	No	19.6	4.67	0.32	No
286	30.8	2.20	0.11	No	19.6	4.67	0.32	No
287	30.8	2.20	0.11	No	19.6	4.67	0.32	No
288	30.8	2.20	0.11	No	19.6	4.67	0.32	No
289	30.8	2.20	0.11	No	19.6	4.67	0.32	No
290	30.8	2.20	0.11	No	19.6	4.67	0.32	No
291	30.8	2.20	0.11	No	19.6	4.67	0.32	No
292	30.8	2.20	0.11	No	19.6	4.67	0.32	No
293	30.8	2.20	0.11	No	19.6	4.67	0.32	No
294	30.8	2.20	0.11	No	19.6	4.67	0.32	No
295	30.8	2.20	0.11	No	19.6	4.67	0.32	No
296	30.8	2.20	0.11	No	19.6	4.67	0.33	No
297	30.8	2.20	0.11	No	19.6	4.67	0.33	No
298	30.8	2.20	0.11	No	19.6	4.67	0.33	No
299	30.8	2.20	0.11	No	19.6	4.67	0.33	No
300	30.8	2.20	0.11	No	19.6	4.67	0.33	No
301	30.8	2.20	0.11	No	19.6	4.67	0.33	No
302	30.8	2.20	0.11	No	19.6	4.67	0.33	No
303	30.8	2.20	0.11	No	19.6	4.67	0.33	No
304	30.8	2.20	0.11	No	19.6	4.67	0.33	No
305	30.8	2.20	0.10	No	19.6	4.67	0.32	No
306	30.8	2.20	0.11	No	19.6	4.67	0.32	No
307	30.8	2.20	0.11	No	19.6	4.67	0.32	No
308	30.8	2.20	0.11	No	19.6	4.67	0.32	No
309	30.8	2.20	0.11	No	19.6	4.67	0.32	No
310	30.8	2.20	0.11	No	19.6	4.67	0.32	No
311	30.8	2.20	0.11	No	19.6	4.67	0.32	No
312	30.8	2.20	0.11	No	19.6	4.67	0.32	No
313	30.8	2.20	0.11	No	19.6	4.67	0.33	No
314	30.8	2.20	0.11	No	19.6	4.67	0.33	No
315	30.8	2.20	0.11	No	19.6	4.67	0.33	No
316	30.8	2.20	0.11	No	19.6	4.67	0.33	No
317	30.8	2.20	0.11	No	19.6	4.67	0.33	No
318	30.8	2.20	0.11	No	19.6	4.67	0.33	No
319	30.8	2.20	0.11	No	19.6	4.67	0.33	No
320	30.8	2.20	0.11	No	19.6	4.67	0.33	No
321	30.8	2.20	0.11	No	19.6	4.67	0.33	No
322	30.8	2.20	0.11	No	19.6	4.67	0.33	No
323	30.8	2.20	0.11	No	19.6	4.67	0.33	No
324	30.8	2.20	0.11	No	19.6	4.67	0.33	No
325	30.8	2.20	0.11	No	19.6	4.67	0.33	No
326	30.8	2.20	0.11	No	19.6	4.67	0.33	No
327	30.8	2.20	0.11	No	19.6	4.67	0.33	No
328	30.8	2.20	0.11	No	19.6	4.67	0.33	No
329	30.8	2.20	0.11	No	19.6	4.67	0.33	No
330	30.8	2.20	0.11	No	19.6	4.67	0.33	No
331	30.8	2.20	0.11	No	19.6	4.67	0.33	No
332	30.8	2.20	0.11	No	19.6	4.67	0.33	No
333	30.8	2.20	0.11	No	19.6	4.67	0.33	No
334	30.8	2.20	0.11	No	19.6	4.67	0.33	No
335	30.8	2.20	0.11	No	19.6	4.67	0.33	No
336	30.8	2.20	0.11	No	19.6	4.67	0.33	No
337	30.8	2.20	0.11	No	19.6	4.67	0.33	No
338	30.8	2.20	0.11	No	19.6	4.67	0.33	No
339	30.8	2.20	0.11	No	19.6	4.67	0.33	No
340	30.8	2.20	0.11	No	19.6	4.67	0.33	No
341	30.8	2.20	0.11	No	19.6	4.67	0.33	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
342	30.8	2.20	0.11	No	19.6	4.67	0.33	No
343	30.8	2.20	0.11	No	19.6	4.67	0.33	No
344	30.8	2.20	0.11	No	19.6	4.67	0.33	No
345	30.8	2.20	0.11	No	19.6	4.67	0.33	No
346	30.8	2.20	0.11	No	19.6	4.67	0.33	No
347	30.8	2.20	0.11	No	19.6	4.67	0.33	No
348	30.8	2.20	0.11	No	19.6	4.67	0.33	No
349	30.8	2.20	0.11	No	19.6	4.67	0.33	No
350	30.8	2.20	0.11	No	19.6	4.67	0.33	No
351	30.8	2.20	0.11	No	19.6	4.67	0.33	No
352	30.8	2.20	0.11	No	19.6	4.67	0.33	No
353	30.8	2.20	0.11	No	19.6	4.67	0.33	No
354	30.8	2.20	0.11	No	19.6	4.67	0.33	No
355	30.8	2.20	0.11	No	19.6	4.67	0.33	No
356	30.8	2.20	0.11	No	19.6	4.67	0.33	No
357	30.8	2.20	0.11	No	19.6	4.67	0.33	No
358	30.8	2.20	0.11	No	19.6	4.67	0.33	No
359	30.8	2.20	0.10	No	19.6	4.67	0.33	No
360	30.8	2.20	0.10	No	19.6	4.67	0.33	No
361	30.8	2.20	0.10	No	19.6	4.67	0.33	No
362	30.8	2.20	0.10	No	19.6	4.67	0.33	No
363	30.8	2.20	0.10	No	19.6	4.67	0.33	No
364	30.8	2.20	0.10	No	19.6	4.67	0.33	No
365	30.8	2.20	0.10	No	19.6	4.67	0.33	No
366	30.8	2.20	0.10	No	19.6	4.67	0.33	No
367	30.8	2.20	0.10	No	19.6	4.67	0.33	No
368	30.8	2.20	0.10	No	19.6	4.67	0.33	No
369	30.8	2.20	0.10	No	19.6	4.67	0.33	No
370	30.8	2.20	0.10	No	19.6	4.67	0.33	No
371	30.8	2.20	0.10	No	19.6	4.67	0.33	No
372	30.8	2.20	0.10	No	19.6	4.67	0.33	No
373	30.8	2.20	0.10	No	19.6	4.67	0.33	No
374	30.8	2.20	0.10	No	19.6	4.67	0.33	No
375	30.8	2.20	0.10	No	19.6	4.67	0.33	No
376	30.8	2.20	0.10	No	19.6	4.67	0.33	No
377	30.8	2.20	0.10	No	19.6	4.67	0.33	No
378	30.8	2.20	0.10	No	19.6	4.67	0.33	No
379	30.8	2.20	0.10	No	19.6	4.67	0.33	No
380	30.8	2.20	0.10	No	19.6	4.67	0.33	No
381	30.8	2.20	0.10	No	19.6	4.67	0.33	No
382	30.8	2.20	0.10	No	19.6	4.67	0.33	No
383	30.8	2.20	0.10	No	19.6	4.67	0.33	No
384	30.8	2.20	0.10	No	19.6	4.67	0.33	No
385	30.8	2.20	0.10	No	19.6	4.67	0.33	No
386	30.8	2.20	0.10	No	19.6	4.67	0.33	No
387	30.8	2.20	0.10	No	19.6	4.67	0.34	No
388	30.8	2.20	0.10	No	19.6	4.67	0.34	No
389	30.8	2.20	0.10	No	19.6	4.67	0.34	No
390	30.8	2.20	0.10	No	19.6	4.67	0.33	No
391	30.8	2.20	0.10	No	19.6	4.67	0.33	No
392	30.8	2.20	0.10	No	19.6	4.67	0.33	No
393	30.8	2.20	0.10	No	19.6	4.67	0.33	No
394	30.8	2.20	0.10	No	19.6	4.67	0.33	No
395	30.8	2.20	0.10	No	19.6	4.67	0.33	No
396	30.8	2.20	0.10	No	19.6	4.67	0.33	No
397	30.8	2.20	0.10	No	19.6	4.67	0.33	No
398	30.8	2.20	0.10	No	19.6	4.67	0.33	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
399	30.8	2.20	0.10	No	19.6	4.67	0.33	No
400	30.8	2.20	0.10	No	19.6	4.67	0.33	No
401	30.8	2.20	0.10	No	19.6	4.67	0.33	No
402	30.8	2.20	0.10	No	19.6	4.67	0.33	No
403	30.8	2.20	0.10	No	19.6	4.67	0.33	No
404	30.8	2.20	0.10	No	19.6	4.67	0.33	No
405	30.8	2.20	0.10	No	19.6	4.67	0.33	No
406	30.8	2.20	0.10	No	19.6	4.67	0.33	No
407	30.8	2.20	0.10	No	19.6	4.67	0.33	No
408	30.8	2.20	0.10	No	19.6	4.67	0.33	No
409	30.8	2.20	0.10	No	19.6	4.67	0.33	No
410	30.8	2.20	0.10	No	19.6	4.67	0.33	No
411	30.8	2.20	0.10	No	19.6	4.67	0.33	No
412	30.8	2.20	0.10	No	19.6	4.67	0.33	No
413	30.8	2.20	0.10	No	19.6	4.67	0.33	No
414	30.8	2.20	0.10	No	19.6	4.67	0.33	No
415	30.8	2.20	0.10	No	19.6	4.67	0.33	No
416	30.8	2.20	0.10	No	19.6	4.67	0.33	No
417	30.8	2.20	0.10	No	19.6	4.67	0.33	No
418	30.8	2.20	0.10	No	19.6	4.67	0.33	No
419	30.8	2.20	0.10	No	19.6	4.67	0.33	No
420	30.8	2.20	0.10	No	19.6	4.67	0.33	No
421	30.8	2.20	0.10	No	19.6	4.67	0.33	No
422	30.8	2.20	0.10	No	19.6	4.67	0.33	No
423	30.8	2.20	0.10	No	19.6	4.67	0.33	No
424	30.8	2.20	0.10	No	19.6	4.67	0.33	No
425	30.8	2.20	0.10	No	19.6	4.67	0.33	No
426	30.8	2.20	0.10	No	19.6	4.67	0.33	No
427	30.8	2.20	0.10	No	19.6	4.67	0.33	No
428	30.8	2.20	0.10	No	19.6	4.67	0.33	No
429	30.8	2.20	0.10	No	19.6	4.67	0.33	No
430	30.8	2.20	0.10	No	19.6	4.67	0.33	No
431	30.8	2.20	0.10	No	19.6	4.67	0.33	No
432	30.8	2.20	0.10	No	19.6	4.67	0.33	No
433	30.8	2.20	0.10	No	19.6	4.67	0.33	No
434	30.8	2.20	0.10	No	19.6	4.67	0.33	No
435	30.8	2.20	0.10	No	19.6	4.67	0.33	No
436	30.8	2.20	0.10	No	19.6	4.67	0.33	No
437	30.8	2.20	0.10	No	19.6	4.67	0.33	No
438	30.8	2.20	0.10	No	19.6	4.67	0.33	No
439	30.8	2.20	0.10	No	19.6	4.67	0.33	No
440	30.8	2.20	0.10	No	19.6	4.67	0.33	No
441	30.8	2.20	0.10	No	19.6	4.67	0.33	No
442	30.8	2.20	0.10	No	19.6	4.67	0.33	No
443	30.8	2.20	0.10	No	19.6	4.67	0.33	No
444	30.8	2.20	0.10	No	19.6	4.67	0.33	No
445	30.8	2.20	0.10	No	19.6	4.67	0.33	No
446	30.8	2.20	0.10	No	19.6	4.67	0.33	No
447	30.8	2.20	0.10	No	19.6	4.67	0.33	No
448	30.8	2.20	0.10	No	19.6	4.67	0.33	No
449	30.8	2.20	0.10	No	19.6	4.67	0.33	No
450	30.8	2.20	0.10	No	19.6	4.67	0.33	No
451	30.8	2.20	0.10	No	19.6	4.67	0.33	No
452	30.8	2.20	0.10	No	19.6	4.67	0.33	No
453	30.8	2.20	0.10	No	19.6	4.67	0.34	No
454	30.8	2.20	0.10	No	19.6	4.67	0.34	No
455	30.8	2.20	0.10	No	19.6	4.67	0.34	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
456	30.8	2.20	0.10	No	19.6	4.67	0.34	No
457	30.8	2.20	0.10	No	19.6	4.67	0.34	No
458	30.8	2.20	0.10	No	19.6	4.67	0.34	No
459	30.8	2.20	0.10	No	19.6	4.67	0.34	No
460	30.8	2.20	0.10	No	19.6	4.67	0.34	No
461	30.8	2.20	0.10	No	19.6	4.67	0.34	No
462	30.8	2.20	0.10	No	19.6	4.67	0.34	No
463	30.8	2.20	0.10	No	19.6	4.67	0.34	No
464	30.8	2.20	0.10	No	19.6	4.67	0.34	No
465	30.8	2.20	0.10	No	19.6	4.67	0.34	No
466	30.8	2.20	0.10	No	19.6	4.67	0.34	No
467	30.8	2.20	0.10	No	19.6	4.67	0.34	No
468	30.8	2.20	0.10	No	19.6	4.67	0.34	No
469	30.8	2.20	0.10	No	19.6	4.67	0.34	No
470	30.8	2.20	0.10	No	19.6	4.67	0.34	No
471	30.8	2.20	0.10	No	19.6	4.67	0.34	No
472	30.8	2.20	0.10	No	19.6	4.67	0.34	No
473	30.8	2.20	0.10	No	19.6	4.67	0.34	No
474	30.8	2.20	0.10	No	19.6	4.67	0.34	No
475	30.8	2.20	0.10	No	19.6	4.67	0.34	No
476	30.8	2.20	0.10	No	19.6	4.67	0.34	No
477	30.8	2.20	0.10	No	19.6	4.67	0.34	No
478	30.8	2.20	0.10	No	19.6	4.67	0.34	No
479	30.8	2.20	0.10	No	19.6	4.67	0.34	No
480	30.8	2.20	0.10	No	19.6	4.67	0.34	No
481	30.8	2.20	0.10	No	19.6	4.67	0.34	No
482	30.8	2.20	0.10	No	19.6	4.67	0.34	No
483	30.8	2.20	0.10	No	19.6	4.67	0.34	No
484	30.8	2.20	0.10	No	19.6	4.67	0.34	No
485	30.8	2.20	0.10	No	19.6	4.67	0.34	No
486	30.8	2.20	0.10	No	19.6	4.67	0.34	No
487	30.8	2.20	0.10	No	19.6	4.67	0.34	No
488	30.8	2.20	0.10	No	19.6	4.67	0.34	No
489	30.8	2.20	0.10	No	19.6	4.67	0.34	No
490	30.8	2.20	0.10	No	19.6	4.67	0.34	No
491	30.8	2.20	0.10	No	19.6	4.67	0.34	No
492	30.8	2.20	0.10	No	19.6	4.67	0.34	No
493	30.8	2.20	0.10	No	19.6	4.67	0.34	No
494	30.8	2.20	0.10	No	19.6	4.67	0.34	No
495	30.8	2.20	0.10	No	19.6	4.67	0.34	No
496	30.8	2.20	0.10	No	19.6	4.67	0.34	No
497	30.8	2.20	0.10	No	19.6	4.67	0.34	No
498	30.8	2.20	0.10	No	19.6	4.67	0.34	No
499	30.8	2.20	0.10	No	19.6	4.67	0.34	No
500	30.8	2.20	0.10	No	19.6	4.67	0.34	No
501	30.8	2.20	0.10	No	19.6	4.67	0.34	No
502	30.8	2.20	0.10	No	19.6	4.67	0.34	No
503	30.8	2.20	0.10	No	19.6	4.67	0.34	No
504	30.8	2.20	0.10	No	19.6	4.67	0.34	No
505	30.8	2.20	0.10	No	19.6	4.67	0.34	No
506	30.8	2.20	0.10	No	19.6	4.67	0.34	No
507	30.8	2.20	0.10	No	19.6	4.67	0.34	No
508	30.8	2.20	0.10	No	19.6	4.67	0.34	No
509	30.8	2.20	0.10	No	19.6	4.67	0.34	No
510	30.8	2.20	0.10	No	19.6	4.67	0.34	No
511	30.8	2.20	0.10	No	19.6	4.67	0.34	No
512	30.8	2.20	0.10	No	19.6	4.67	0.34	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
513	30.8	2.20	0.10	No	19.6	4.67	0.34	No
514	30.8	2.20	0.10	No	19.6	4.67	0.34	No
515	30.8	2.20	0.10	No	19.6	4.67	0.34	No
516	30.8	2.20	0.10	No	19.6	4.67	0.34	No
517	30.8	2.20	0.10	No	19.6	4.67	0.34	No
518	30.8	2.20	0.10	No	19.6	4.67	0.34	No
519	30.8	2.20	0.10	No	19.6	4.67	0.34	No
520	30.8	2.20	0.10	No	19.6	4.67	0.34	No
521	30.8	2.20	0.10	No	19.6	4.67	0.34	No
522	30.8	2.20	0.10	No	19.6	4.67	0.34	No
523	30.8	2.20	0.10	No	19.6	4.67	0.34	No
524	30.8	2.20	0.10	No	19.6	4.67	0.34	No
525	30.8	2.20	0.10	No	19.6	4.67	0.34	No
526	30.8	2.20	0.10	No	19.6	4.67	0.34	No
527	30.8	2.20	0.10	No	19.6	4.67	0.34	No
528	30.8	2.20	0.10	No	19.6	4.67	0.34	No
529	30.8	2.20	0.10	No	19.6	4.67	0.34	No
530	30.8	2.20	0.10	No	19.6	4.67	0.34	No
531	30.8	2.20	0.10	No	19.6	4.67	0.34	No
532	30.8	2.20	0.10	No	19.6	4.67	0.34	No
533	30.8	2.20	0.10	No	19.6	4.67	0.34	No
534	30.8	2.20	0.10	No	19.6	4.67	0.34	No
535	30.8	2.20	0.10	No	19.6	4.67	0.34	No
536	30.8	2.20	0.10	No	19.6	4.67	0.34	No
537	30.8	2.20	0.10	No	19.6	4.67	0.34	No
538	30.8	2.20	0.10	No	19.6	4.67	0.34	No
539	30.8	2.20	0.10	No	19.6	4.67	0.34	No
540	30.8	2.20	0.10	No	19.6	4.67	0.34	No
541	30.8	2.20	0.10	No	19.6	4.67	0.34	No
542	30.8	2.20	0.10	No	19.6	4.67	0.34	No
543	30.8	2.20	0.10	No	19.6	4.67	0.34	No
544	30.8	2.20	0.10	No	19.6	4.67	0.34	No
545	30.8	2.20	0.10	No	19.6	4.67	0.34	No
546	30.8	2.20	0.10	No	19.6	4.67	0.34	No
547	30.8	2.20	0.10	No	19.6	4.67	0.34	No
548	30.8	2.20	0.10	No	19.6	4.67	0.34	No
549	30.8	2.20	0.10	No	19.6	4.67	0.34	No
550	30.8	2.20	0.10	No	19.6	4.67	0.34	No
551	30.8	2.20	0.10	No	19.6	4.67	0.34	No
552	30.8	2.20	0.10	No	19.6	4.67	0.34	No
553	30.8	2.20	0.10	No	19.6	4.67	0.34	No
554	30.8	2.20	0.10	No	19.6	4.67	0.34	No
555	30.8	2.20	0.10	No	19.6	4.67	0.34	No
556	30.8	2.20	0.10	No	19.6	4.67	0.34	No
557	30.8	2.20	0.10	No	19.6	4.67	0.34	No
558	30.8	2.20	0.10	No	19.6	4.67	0.34	No
559	30.8	2.20	0.10	No	19.6	4.67	0.34	No
560	30.8	2.20	0.10	No	19.6	4.67	0.34	No
561	30.8	2.20	0.10	No	19.6	4.67	0.34	No
562	30.8	2.20	0.10	No	19.6	4.67	0.34	No
563	30.8	2.20	0.10	No	19.6	4.67	0.34	No
564	30.8	2.20	0.10	No	19.6	4.67	0.34	No
565	30.8	2.20	0.10	No	19.6	4.67	0.34	No
566	30.8	2.20	0.10	No	19.6	4.67	0.34	No
567	30.8	2.20	0.10	No	19.6	4.67	0.34	No
568	30.8	2.20	0.10	No	19.6	4.67	0.34	No
569	30.8	2.20	0.10	No	19.6	4.67	0.34	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
570	30.8	2.20	0.10	No	19.6	4.67	0.34	No
571	30.8	2.20	0.10	No	19.6	4.67	0.34	No
572	30.8	2.20	0.10	No	19.6	4.67	0.34	No
573	30.8	2.20	0.10	No	19.6	4.67	0.34	No
574	30.8	2.20	0.10	No	19.6	4.67	0.34	No
575	30.8	2.20	0.10	No	19.6	4.67	0.34	No
576	30.8	2.20	0.10	No	19.6	4.67	0.34	No
577	30.8	2.20	0.10	No	19.6	4.67	0.34	No
578	30.8	2.20	0.10	No	19.6	4.67	0.34	No
579	30.8	2.20	0.10	No	19.6	4.67	0.34	No
580	30.8	2.20	0.10	No	19.6	4.67	0.34	No
581	30.8	2.20	0.10	No	19.6	4.67	0.34	No
582	30.8	2.20	0.10	No	19.6	4.67	0.34	No
583	30.8	2.20	0.10	No	19.6	4.67	0.34	No
584	30.8	2.20	0.10	No	19.6	4.67	0.34	No
585	30.8	2.20	0.10	No	19.6	4.67	0.34	No
586	30.8	2.20	0.10	No	19.6	4.67	0.34	No
587	30.8	2.20	0.10	No	19.6	4.67	0.34	No
588	30.8	2.20	0.10	No	19.6	4.67	0.34	No
589	30.8	2.20	0.10	No	19.6	4.67	0.34	No
590	30.8	2.20	0.10	No	19.6	4.67	0.34	No
591	30.8	2.20	0.10	No	19.6	4.67	0.34	No
592	30.8	2.20	0.10	No	19.6	4.67	0.34	No
593	30.8	2.20	0.10	No	19.6	4.67	0.34	No
594	30.8	2.20	0.10	No	19.6	4.67	0.34	No
595	30.8	2.20	0.10	No	19.6	4.67	0.34	No
596	30.8	2.20	0.10	No	19.6	4.67	0.34	No
597	30.8	2.20	0.10	No	19.6	4.67	0.34	No
598	30.8	2.20	0.10	No	19.6	4.67	0.34	No
599	30.8	2.20	0.10	No	19.6	4.67	0.34	No
600	30.8	2.20	0.10	No	19.6	4.67	0.34	No
601	30.8	2.20	0.10	No	19.6	4.67	0.34	No
602	30.8	2.20	0.10	No	19.6	4.67	0.34	No
603	30.8	2.20	0.10	No	19.6	4.67	0.34	No
604	30.8	2.20	0.10	No	19.6	4.67	0.34	No
605	30.8	2.20	0.10	No	19.6	4.67	0.34	No
606	30.8	2.20	0.10	No	19.6	4.67	0.34	No
607	30.8	2.20	0.10	No	19.6	4.67	0.34	No
608	30.8	2.20	0.10	No	19.6	4.67	0.34	No
609	30.8	2.20	0.10	No	19.6	4.67	0.34	No
610	30.8	2.20	0.10	No	19.6	4.67	0.34	No
611	30.8	2.20	0.10	No	19.6	4.67	0.34	No
612	30.8	2.20	0.10	No	19.6	4.67	0.34	No
613	30.8	2.20	0.26	No	19.6	4.67	0.36	No
614	30.8	2.20	0.23	No	19.6	4.67	0.36	No
615	30.8	2.20	0.20	No	19.6	4.67	0.36	No
616	30.8	2.20	0.18	No	19.6	4.67	0.36	No
617	30.8	2.20	0.16	No	19.6	4.67	0.36	No
618	30.8	2.20	0.15	No	19.6	4.67	0.36	No
619	30.8	2.20	0.14	No	19.6	4.67	0.36	No
620	30.8	2.20	0.13	No	19.6	4.67	0.36	No
621	30.8	2.20	0.13	No	19.6	4.67	0.36	No
622	30.8	2.20	0.12	No	19.6	4.67	0.36	No
623	30.8	2.20	0.12	No	19.6	4.67	0.36	No
624	30.8	2.20	0.11	No	19.6	4.67	0.36	No
625	30.8	2.20	0.11	No	19.6	4.67	0.36	No
626	30.8	2.20	0.11	No	19.6	4.67	0.35	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
627	30.8	2.20	0.11	No	19.6	4.67	0.35	No
628	30.8	2.20	0.11	No	19.6	4.67	0.35	No
629	30.8	2.20	0.11	No	19.6	4.67	0.35	No
630	30.8	2.20	0.11	No	19.6	4.67	0.35	No
631	30.8	2.20	0.10	No	19.6	4.67	0.35	No
632	30.8	2.20	0.10	No	19.6	4.67	0.35	No
633	30.8	2.20	0.10	No	19.6	4.67	0.35	No
634	30.8	2.20	0.10	No	19.6	4.67	0.35	No
635	30.8	2.20	0.10	No	19.6	4.67	0.35	No
636	30.8	2.20	0.10	No	19.6	4.67	0.35	No
637	30.8	2.20	0.10	No	19.6	4.67	0.35	No
638	30.8	2.20	0.10	No	19.6	4.67	0.35	No
639	30.8	2.20	0.10	No	19.6	4.67	0.35	No
640	30.8	2.20	0.10	No	19.6	4.67	0.35	No
641	30.8	2.20	0.10	No	19.6	4.67	0.35	No
642	30.8	2.20	0.10	No	19.6	4.67	0.35	No
643	30.8	2.20	0.10	No	19.6	4.67	0.35	No
644	30.8	2.20	0.10	No	19.6	4.67	0.35	No
645	30.8	2.20	0.10	No	19.6	4.67	0.35	No
646	30.8	2.20	0.10	No	19.6	4.67	0.35	No
647	30.8	2.20	0.10	No	19.6	4.67	0.35	No
648	30.8	2.20	0.10	No	19.6	4.67	0.35	No
649	30.8	2.20	0.10	No	19.6	4.67	0.35	No
650	30.8	2.20	0.10	No	19.6	4.67	0.35	No
651	30.8	2.20	0.10	No	19.6	4.67	0.34	No
652	30.8	2.20	0.10	No	19.6	4.67	0.34	No
653	30.8	2.20	0.10	No	19.6	4.67	0.34	No
654	30.8	2.20	0.10	No	19.6	4.67	0.34	No
655	30.8	2.20	0.10	No	19.6	4.67	0.34	No
656	30.8	2.20	0.10	No	19.6	4.67	0.34	No
657	30.8	2.20	0.10	No	19.6	4.67	0.34	No
658	30.8	2.20	0.10	No	19.6	4.67	0.34	No
659	30.8	2.20	0.10	No	19.6	4.67	0.34	No
660	30.8	2.20	0.10	No	19.6	4.67	0.34	No
661	30.8	2.20	1.30	No	19.6	4.67	2.78	No
662	30.8	2.20	1.30	No	19.6	4.67	2.77	No
663	30.8	2.20	1.30	No	19.6	4.67	2.77	No
664	30.8	2.20	1.30	No	19.6	4.67	2.77	No
665	30.8	2.20	1.29	No	19.6	4.67	2.77	No
666	30.8	2.20	1.29	No	19.6	4.67	2.77	No
667	30.8	2.20	1.29	No	19.6	4.67	2.77	No
668	30.8	2.20	1.29	No	19.6	4.67	2.76	No
669	30.8	2.20	1.28	No	19.6	4.67	2.76	No
670	30.8	2.20	1.28	No	19.6	4.67	2.76	No
671	30.8	2.20	1.28	No	19.6	4.67	2.75	No
672	30.8	2.20	1.27	No	19.6	4.67	2.75	No
673	30.8	2.20	1.27	No	19.6	4.67	2.75	No
674	30.8	2.20	1.27	No	19.6	4.67	2.75	No
675	30.8	2.20	1.26	No	19.6	4.67	2.74	No
676	30.8	2.20	1.26	No	19.6	4.67	2.74	No
677	30.8	2.20	1.26	No	19.6	4.67	2.74	No
678	30.8	2.20	1.25	No	19.6	4.67	2.74	No
679	30.8	2.20	1.25	No	19.6	4.67	2.73	No
680	30.8	2.20	1.24	No	19.6	4.67	2.72	No
681	30.8	2.20	1.22	No	19.6	4.67	2.71	No
682	30.8	2.20	1.21	No	19.6	4.67	2.70	No
683	30.8	2.20	1.20	No	19.6	4.67	2.69	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
684	30.8	2.20	1.18	No	19.6	4.67	2.68	No
685	30.8	2.20	1.15	No	19.6	4.67	2.65	No
686	30.8	2.20	1.12	No	19.6	4.67	2.62	No
687	30.8	2.20	1.09	No	19.6	4.67	2.59	No
688	30.8	2.20	1.06	No	19.6	4.67	2.56	No
689	30.8	2.20	1.03	No	19.6	4.67	2.53	No
690	30.8	2.20	1.00	No	19.6	4.67	2.51	No
691	30.8	2.20	0.97	No	19.6	4.67	2.48	No
692	30.8	2.20	0.95	No	19.6	4.67	2.46	No
693	30.8	2.20	0.92	No	19.6	4.67	2.43	No
694	30.8	2.20	0.90	No	19.6	4.67	2.41	No
695	30.8	2.20	0.87	No	19.6	4.67	2.38	No
696	30.8	2.20	0.85	No	19.6	4.67	2.36	No
697	30.8	2.20	0.83	No	19.6	4.67	2.33	No
698	30.8	2.20	0.81	No	19.6	4.67	2.31	No
699	30.8	2.20	0.78	No	19.6	4.67	2.29	No
700	30.8	2.20	0.76	No	19.6	4.67	2.26	No
701	30.8	2.20	0.74	No	19.6	4.67	2.24	No
702	30.8	2.20	0.72	No	19.6	4.67	2.22	No
703	30.8	2.20	0.47	No	19.6	4.67	0.81	No
704	30.8	2.20	0.42	No	19.6	4.67	0.80	No
705	30.8	2.20	0.39	No	19.6	4.67	0.79	No
706	30.8	2.20	0.35	No	19.6	4.67	0.78	No
707	30.8	2.20	0.32	No	19.6	4.67	0.77	No
708	30.8	2.20	0.29	No	19.6	4.67	0.77	No
709	30.8	2.20	0.27	No	19.6	4.67	0.76	No
710	30.8	2.20	0.25	No	19.6	4.67	0.75	No
711	30.8	2.20	0.23	No	19.6	4.67	0.74	No
712	30.8	2.20	0.21	No	19.6	4.67	0.73	No
713	30.8	2.20	0.20	No	19.6	4.67	0.73	No
714	30.8	2.20	0.18	No	19.6	4.67	0.72	No
715	30.8	2.20	0.17	No	19.6	4.67	0.71	No
716	30.8	2.20	0.16	No	19.6	4.67	0.70	No
717	30.8	2.20	0.15	No	19.6	4.67	0.70	No
718	30.8	2.20	0.15	No	19.6	4.67	0.69	No
719	30.8	2.20	0.14	No	19.6	4.67	0.68	No
720	30.8	2.20	0.13	No	19.6	4.67	0.67	No
721	30.8	2.20	0.13	No	19.6	4.67	0.67	No
722	30.8	2.20	0.13	No	19.6	4.67	0.66	No
723	30.8	2.20	0.12	No	19.6	4.67	0.65	No
724	30.8	2.20	0.12	No	19.6	4.67	0.65	No
725	30.8	2.20	0.11	No	19.6	4.67	0.64	No
726	30.8	2.20	0.11	No	19.6	4.67	0.64	No
727	30.8	2.20	0.11	No	19.6	4.67	0.63	No
728	30.8	2.20	0.11	No	19.6	4.67	0.62	No
729	30.8	2.20	0.11	No	19.6	4.67	0.62	No
730	30.8	2.20	0.10	No	19.6	4.67	0.61	No
731	30.8	2.20	0.10	No	19.6	4.67	0.61	No
732	30.8	2.20	0.10	No	19.6	4.67	0.60	No
733	30.8	2.20	0.10	No	19.6	4.67	0.60	No
734	30.8	2.20	0.10	No	19.6	4.67	0.59	No
735	30.8	2.20	0.10	No	19.6	4.67	0.59	No
736	30.8	2.20	0.10	No	19.6	4.67	0.58	No
737	30.8	2.20	0.10	No	19.6	4.67	0.57	No
738	30.8	2.20	0.10	No	19.6	4.67	0.57	No
739	30.8	2.20	0.10	No	19.6	4.67	0.57	No
740	30.8	2.20	0.10	No	19.6	4.67	0.56	No

Model Element	Summer				Winter			
	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?	Temp. in projection run (ºC)	Calculated CCC (mg N/L)	Predicted NH3-N conc. in projection (mg N/L)	Toxic ?
741	30.8	2.20	0.10	No	19.6	4.67	0.56	No
742	30.8	2.20	0.10	No	19.6	4.67	0.55	No
743	30.8	2.20	0.10	No	19.6	4.67	0.55	No
744	30.8	2.20	0.10	No	19.6	4.67	0.54	No
745	30.8	2.20	0.10	No	19.6	4.67	0.54	No
746	30.8	2.20	0.10	No	19.6	4.67	0.53	No
747	30.8	2.20	0.10	No	19.6	4.67	0.53	No
748	30.8	2.20	0.10	No	19.6	4.67	0.53	No
749	30.8	2.20	0.10	No	19.6	4.67	0.52	No
750	30.8	2.20	0.10	No	19.6	4.67	0.52	No
751	30.8	2.20	0.10	No	19.6	4.67	0.51	No
752	30.8	2.20	0.10	No	19.6	4.67	0.51	No
753	30.8	2.20	0.10	No	19.6	4.67	0.51	No
754	30.8	2.20	0.10	No	19.6	4.67	0.50	No
755	30.8	2.20	0.10	No	19.6	4.67	0.50	No
756	30.8	2.20	0.10	No	19.6	4.67	0.50	No
757	30.8	2.20	0.10	No	19.6	4.67	0.49	No
758	30.8	2.20	0.10	No	19.6	4.67	0.49	No
759	30.8	2.20	0.10	No	19.6	4.67	0.49	No
760	30.8	2.20	0.10	No	19.6	4.67	0.48	No
761	30.8	2.20	0.10	No	19.6	4.67	0.48	No
762	30.8	2.20	0.10	No	19.6	4.67	0.48	No
763	30.8	2.20	0.10	No	19.6	4.67	0.47	No
764	30.8	2.20	0.10	No	19.6	4.67	0.47	No
765	30.8	2.20	0.10	No	19.6	4.67	0.47	No
766	30.8	2.20	0.10	No	19.6	4.67	0.46	No
767	30.8	2.20	0.10	No	19.6	4.67	0.46	No
768	30.8	2.20	0.10	No	19.6	4.67	0.46	No
769	30.8	2.20	0.10	No	19.6	4.67	0.46	No
770	30.8	2.20	0.10	No	19.6	4.67	0.45	No
771	30.8	2.20	0.10	No	19.6	4.67	0.45	No
772	30.8	2.20	0.10	No	19.6	4.67	0.45	No
773	30.8	2.20	0.10	No	19.6	4.67	0.45	No
774	30.8	2.20	0.10	No	19.6	4.67	0.44	No

Number of elements with toxicity = 25 Number of elements with toxicity = 0

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