APPENDIX A1

Maps

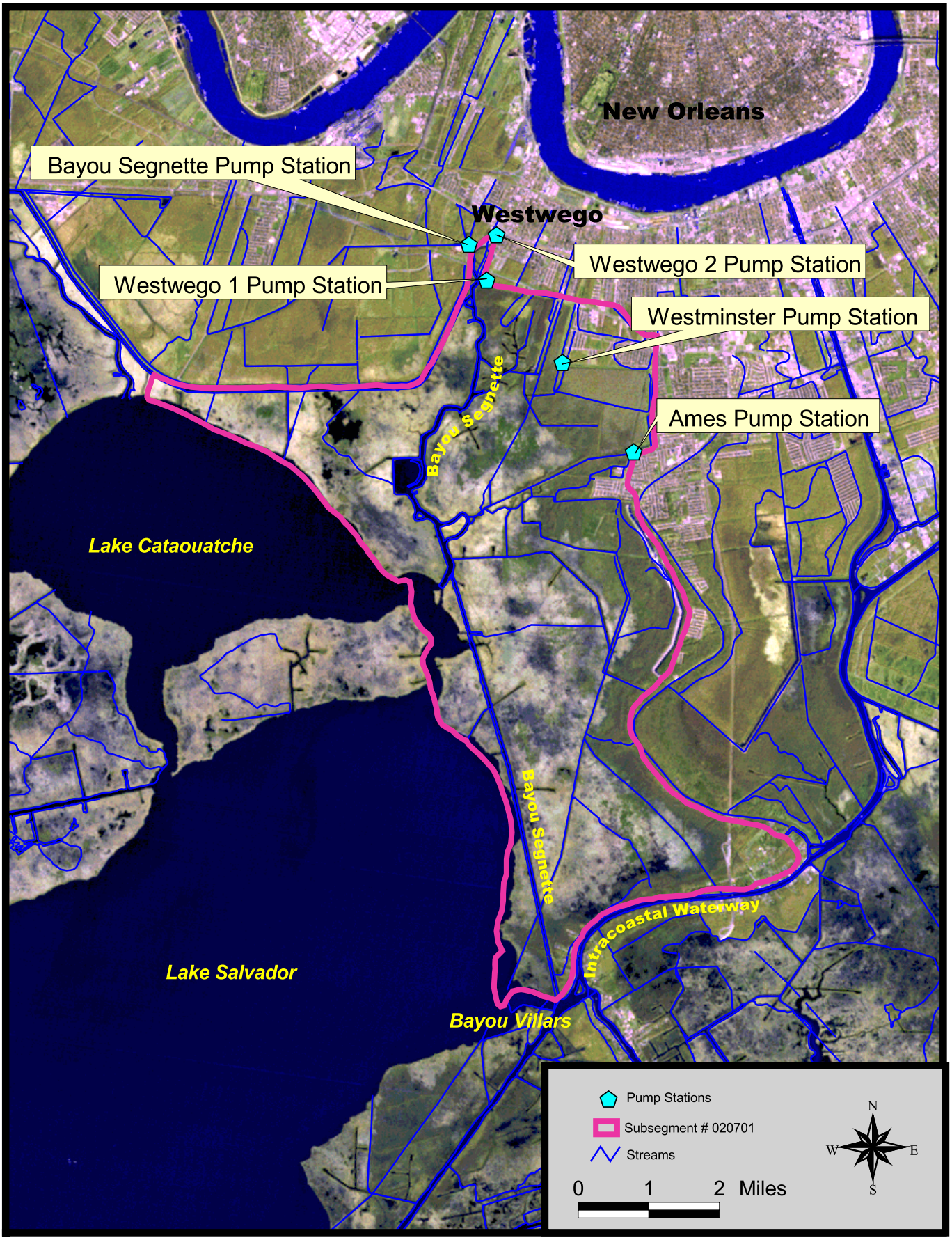
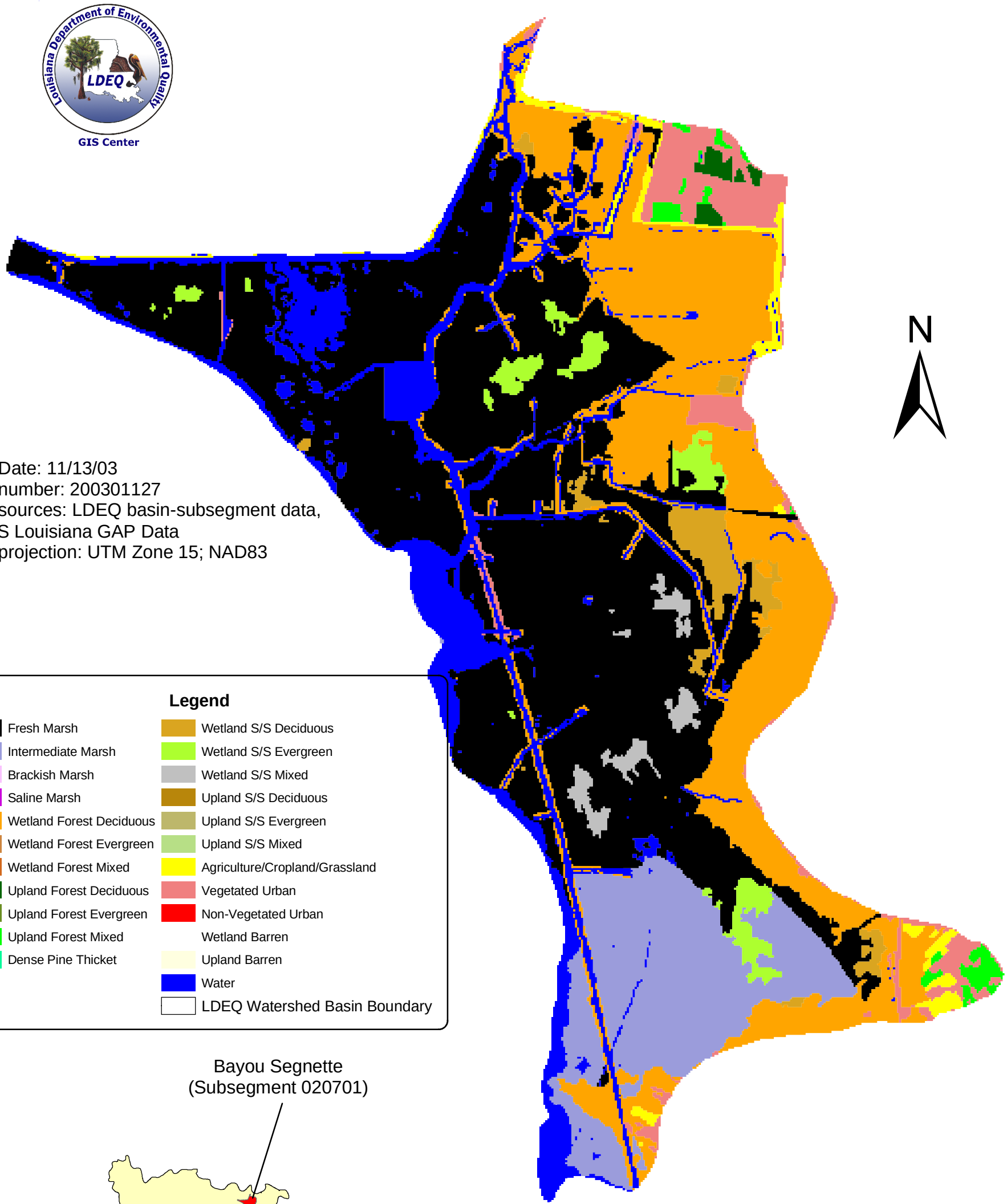


Figure A1.1. Subsegment map for Bayou Segnette.

LDEQ BASIN SUBSEGMENT 020701

USGS LOUISIANA GAP LAND COVER

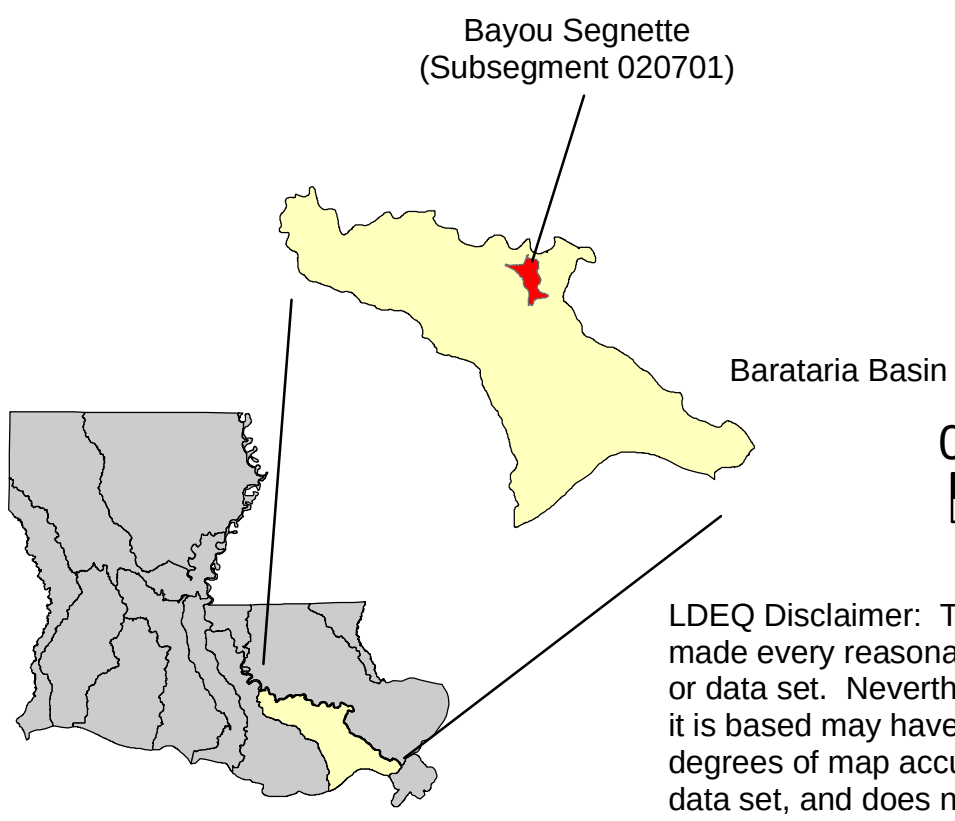
BAYOU SEGNETTE



Map Date: 11/13/03
Map number: 200301127
Map sources: LDEQ basin-subsegment data,
USGS Louisiana GAP Data
Map projection: UTM Zone 15; NAD83

Legend

- Fresh Marsh
- Intermediate Marsh
- Brackish Marsh
- Saline Marsh
- Wetland Forest Deciduous
- Wetland Forest Evergreen
- Wetland Forest Mixed
- Upland Forest Deciduous
- Upland Forest Evergreen
- Upland Forest Mixed
- Dense Pine Thicket
- Wetland S/S Deciduous
- Wetland S/S Evergreen
- Wetland S/S Mixed
- Upland S/S Deciduous
- Upland S/S Evergreen
- Upland S/S Mixed
- Agriculture/Cropland/Grassland
- Vegetated Urban
- Non-Vegetated Urban
- Wetland Barren
- Upland Barren
- Water
- LDEQ Watershed Basin Boundary



0 0.5 1 2 3 Miles

LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ)has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEQ cannot guarantee the accuracy of this data set, and does not accept any responsibility for the consequences of its use.

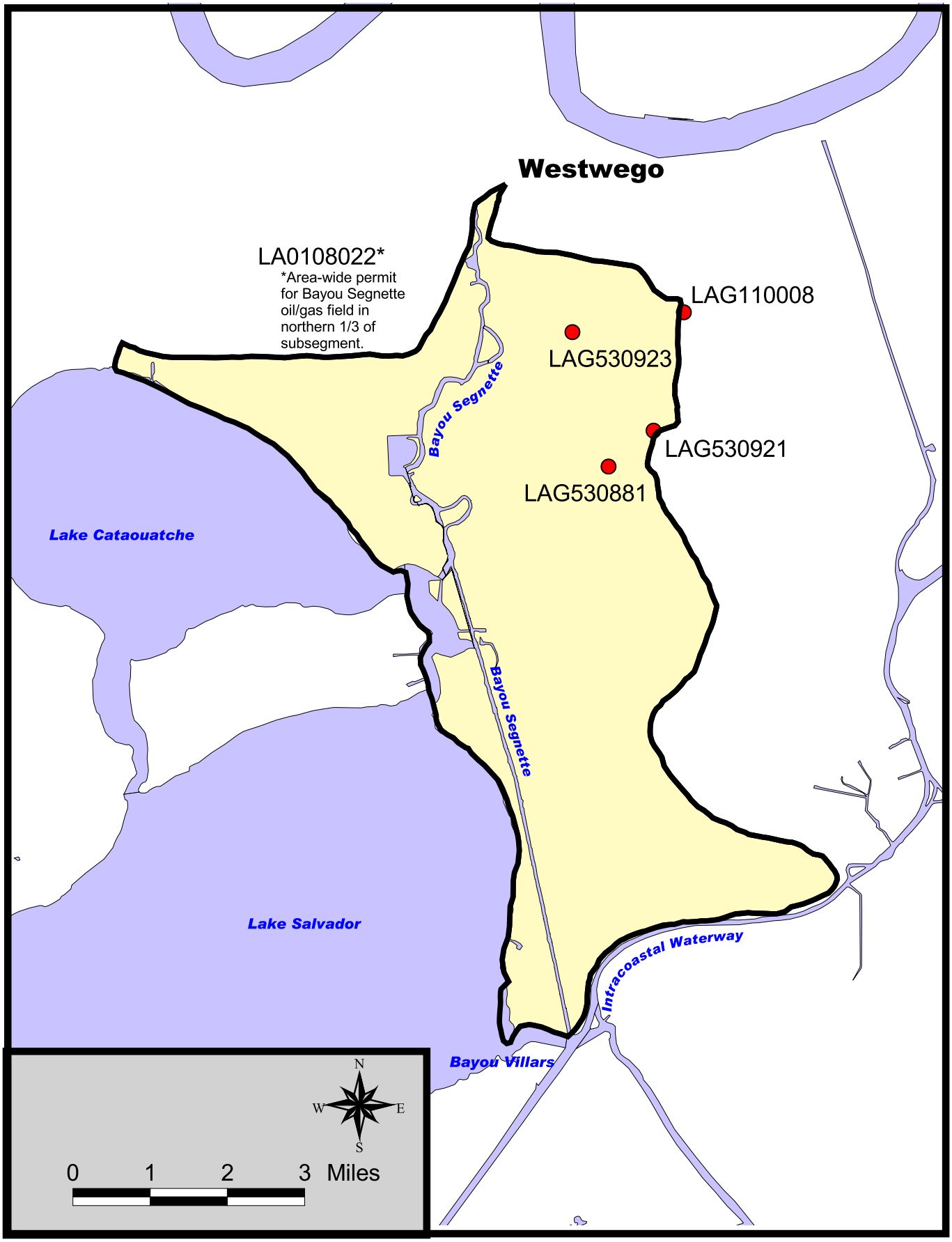


Figure A1.3. Location of point source discharges in subsegment 020701.

APPENDIX A2

Historical DO Data

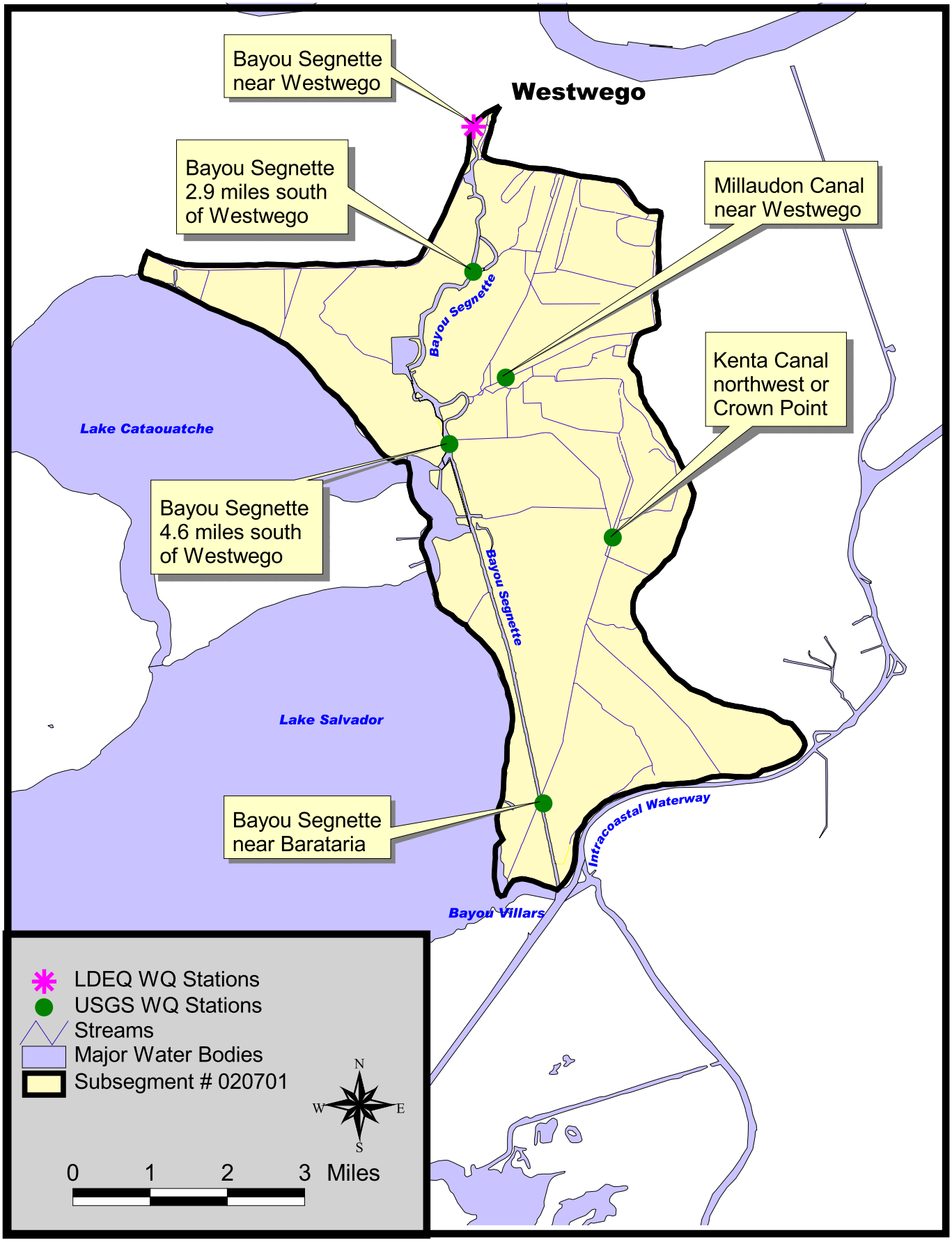


Figure A2.1. Locations of historical DO monitoring station in subsegment 020701.

Figure A2.2 LDEQ DO data for Bayou Segnette near Westwego (station 0296)

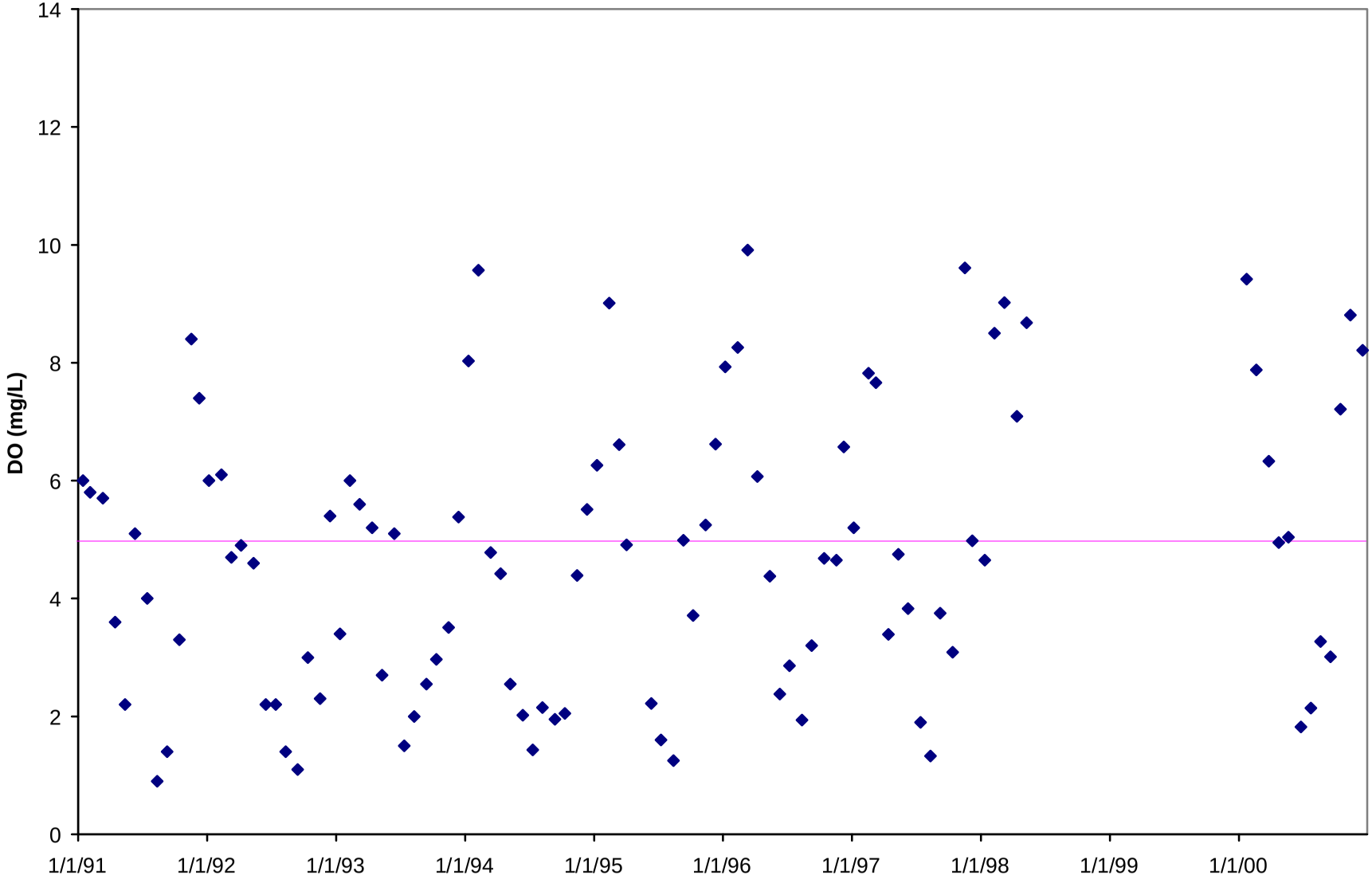


Figure A2.3. USGS DO data for Bayou Segnette 2.9 miles south of Westwego

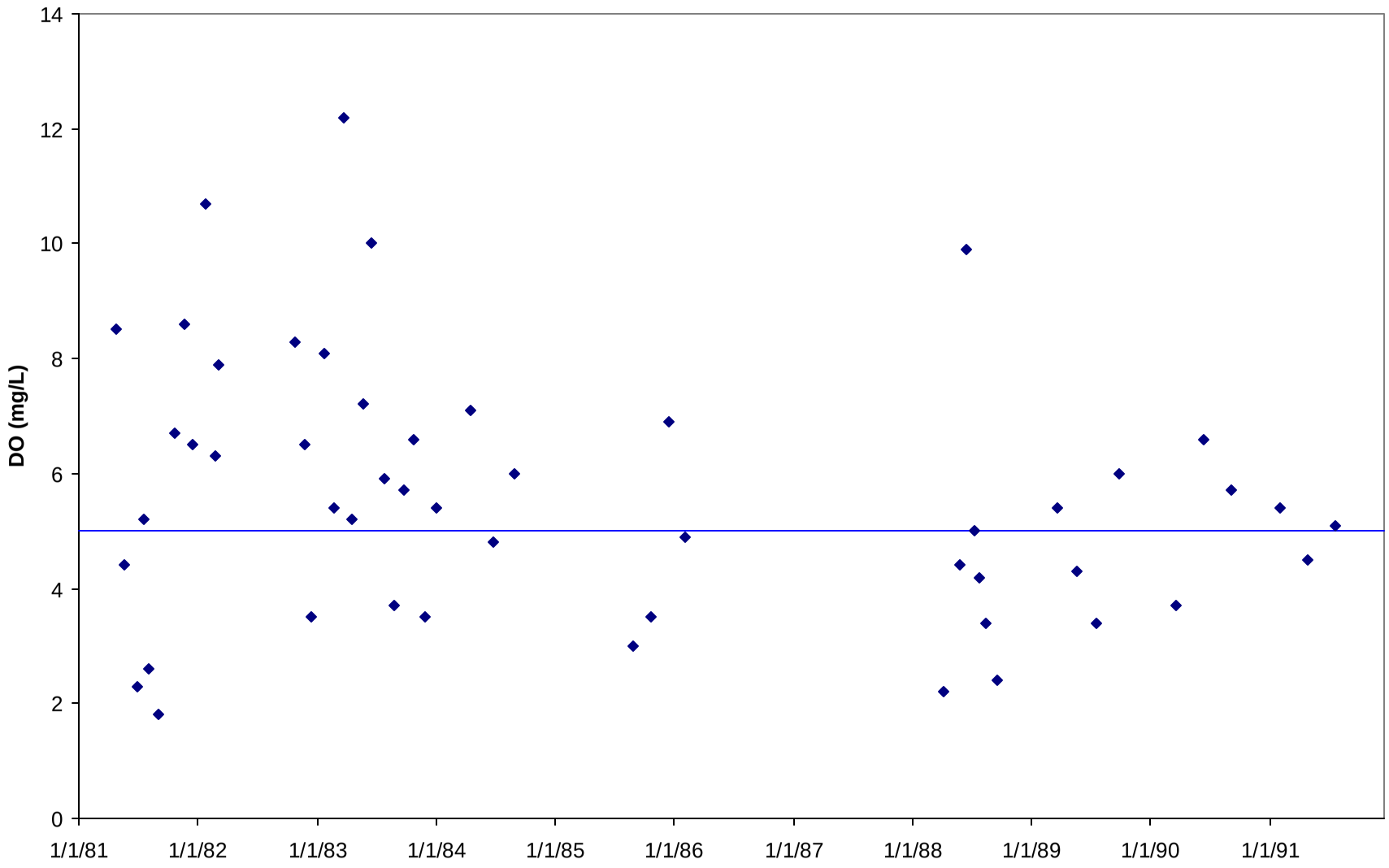


Figure A2.4. USGS DO data for Bayou Segnette 4.6 miles south of Westwego

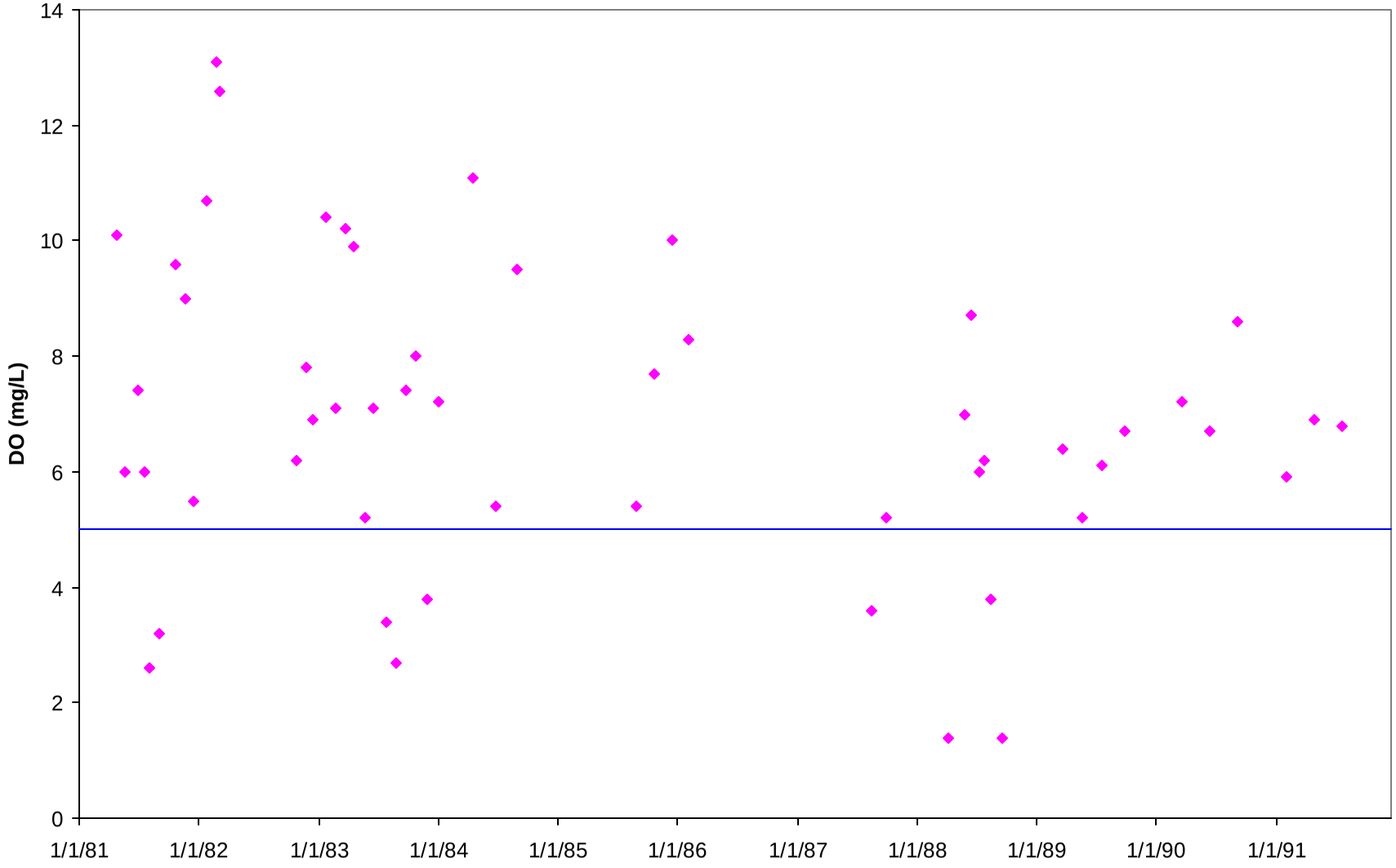


Figure A2.5. USGS DO data for Bayou Segnette near Barataria

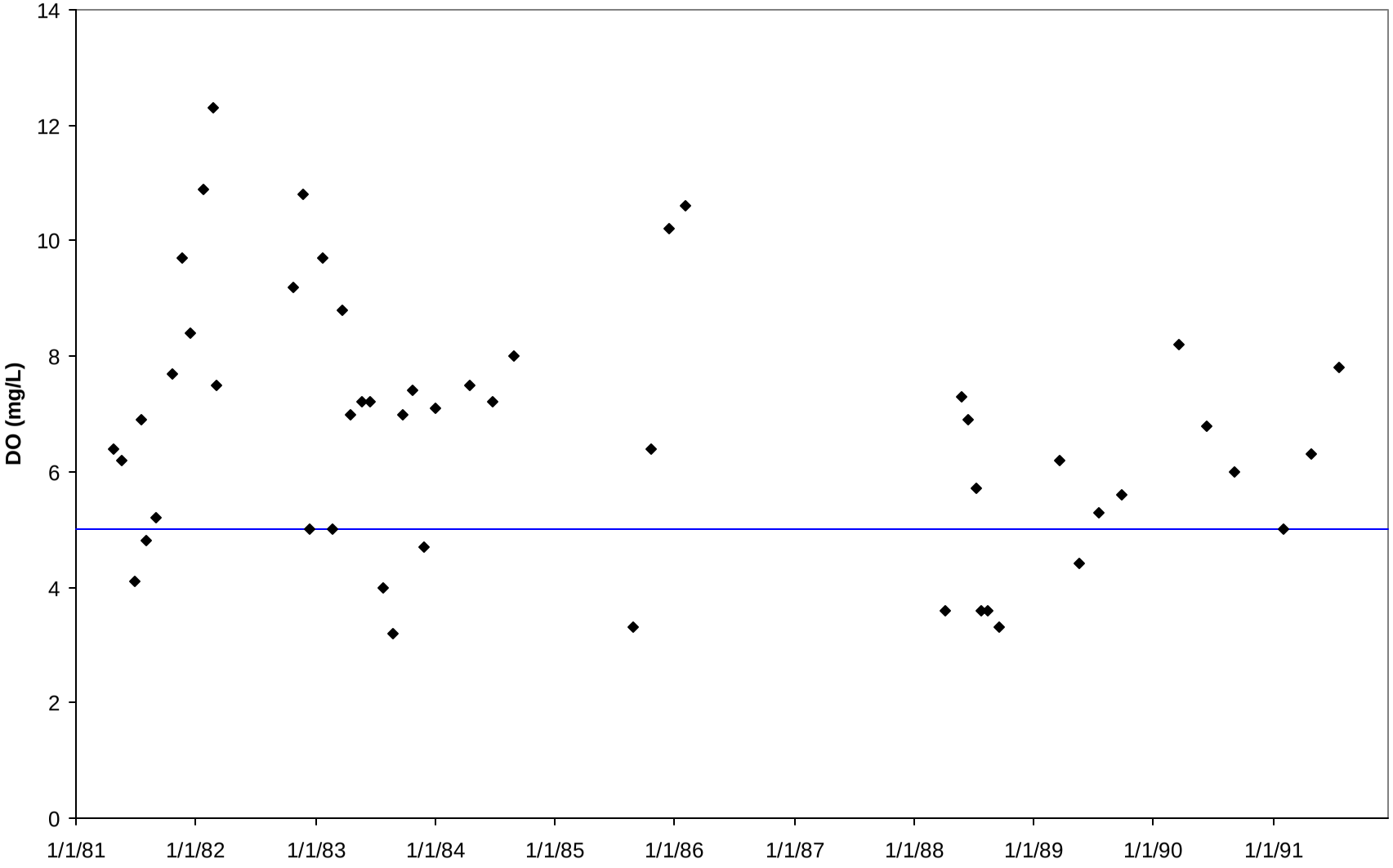


Figure A2.6. USGS DO data for Millaudon Canal near Westwego

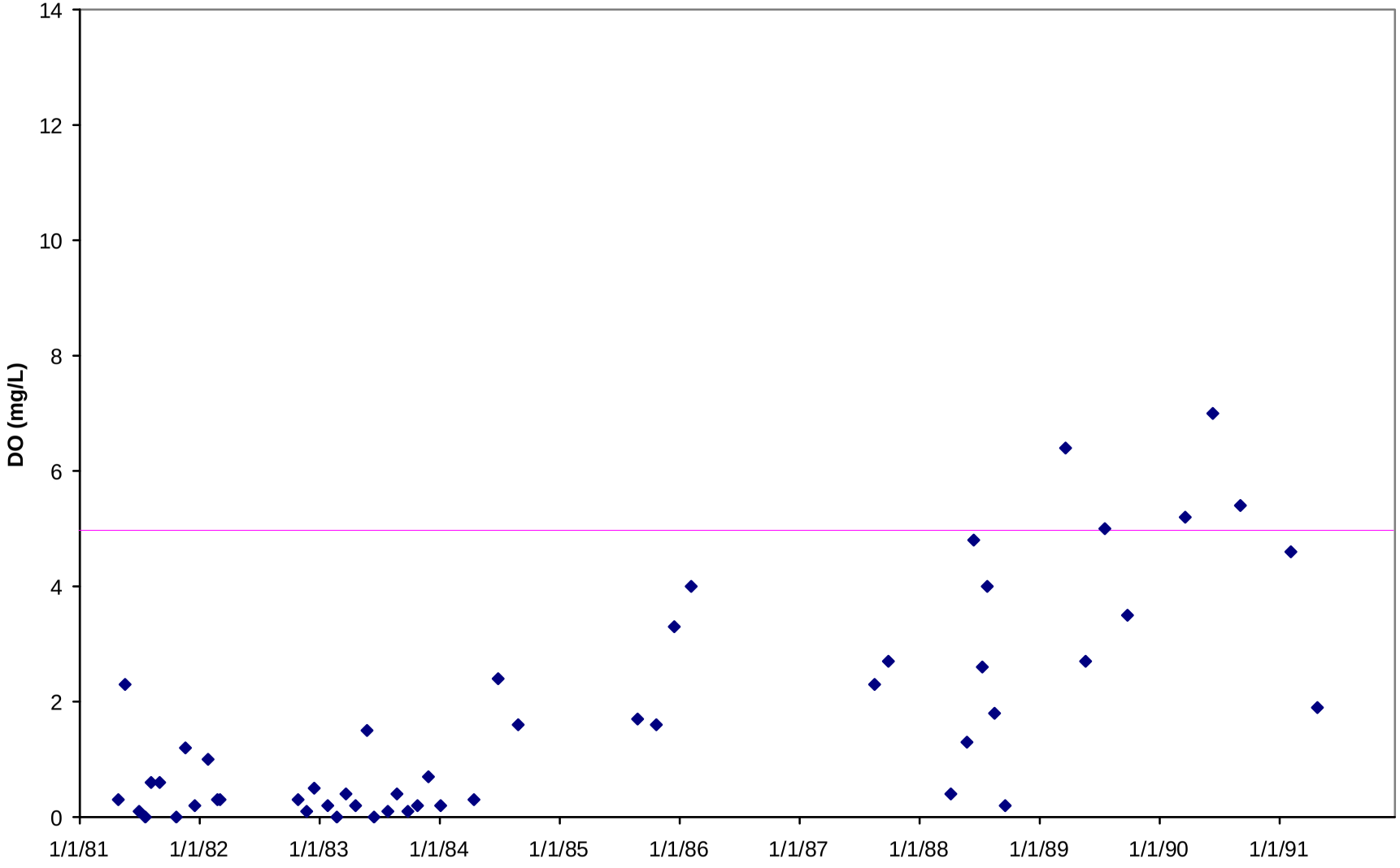
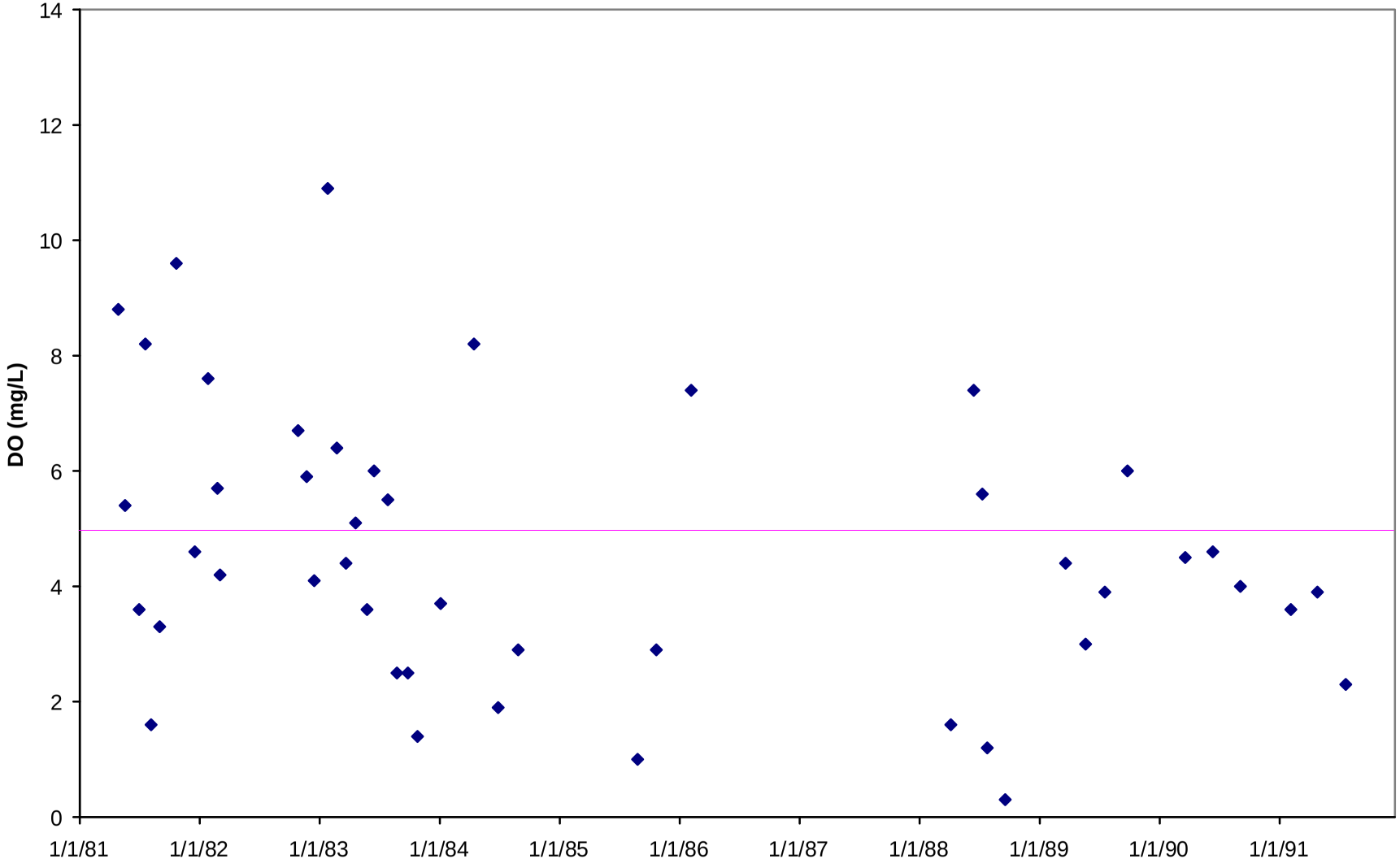


Figure A2.7. USGS DO data for Kenta Canal northwest of Crown Point



APPENDIX B1

Field Data Collection Sites

DESCRIPTIONS OF BAYOU SEGNETTE FIELD DATA COLLECTION SITES

Station Name	Station Location	Purpose for Modeling	Data that were collected:				
			In Situ	Lab	Flow	Contin. Monitor	Cross section
PS-1	Inflow to northernmost pumping station (east side of Bayou Segnette)	Boundary (inflow)	X	X	Op		
PS-2	Inflow to Main Canal pumping station (west side of Bayou Segnette)	Boundary (inflow)	X	X	Op		
BS-1	Bayou Segnette at Lapalco Blvd bridge (near LDEQ Station 0296)	Calibration target (and compare with historical data)	X	X	Dr	F	X
PS-3	Inflow to southernmost pumping station (east side of Bayou Segnette)	Boundary (inflow)	X	X	Op		
OCC-1	Outer Cataouatche Canal about 0.4 miles below connection to Bayou Segnette loop	Boundary	X	X	Dr		X
XS-2	Bayou Segnette midway between BS-1 and BS-2	Cross section					X
PS-4	Westminster & Lincolnshire pump station	Boundary (inflow)			Op		
UCA-1	Unnamed Canal A about 0.4 mi E of openings to Bayou Segnette	Boundary (flow)	X	X	Dr		X
BS-2	Bayou Segnette about 1/3 of the way from BS-1 to BS-4	Calibration target	X	X	Dr	B	X
XS-3	Bayou Segnette midway between BS-2 and BS-3	Cross section					X
BS-3	Bayou Segnette about 2/3 of the way from BS-1 to BS-4	Calibration target and flow balance	X	X	Dr	B	X
PS-5	Ames pump station	Boundary (inflow)	X	X	Op		
MC-1	Millaudon Canal about 0.4 mi NE of openings to Bayou Segnette	Boundary (flow)	X	X	Dr		X
XS-4	Bayou Segnette midway between BS-3 and BS-4	Cross section					X
TC-1	Tarpaper Canal about 0.4 mi E of opening to Bayou Segnette	Boundary (flow)	X	X	Dr		X
BB-1	Northern connection between Bayou Bardeaux and Bayou Segnette	Flow balance					
BB-2	Bayou Bardeaux between connections to Bayou Segnette	Boundary (flow)	X	X		B	
BS-4	Bayou Segnette in middle of camps	Calibration target	X	X	Dr	F	X
BB-3	Southernmost connection between Bayou Bardeaux and Bayou Segnette	Flow balance					
BS-5	Bayou Segnette about 1/3 of the way from BS-4 to BV-1	Calibration target and flow balance	X	X	Dr		X
BS-6	Bayou Segnette about 2/3 of the way from BS-4 to BV-1	Calibration target	X	X	Dr	F	X
PC-1	Pipeline Canal about 0.4 miles above junction with Bayou Segnette	Boundary	X	X	Dr		X
BS-7	Bayou Segnette about 0.2 mi north of confluence with Bayou Villars	Flow balance			Ac		
BV-1	Bayou Villars at south end of Bayou Segnette	Downstream boundary	X	X			

Abbreviations: Ac = Acoustic Doppler flow measurements; Dr = velocity with drogue plus cross section; Op = operation records from pumping station personnel; F = Fixed location, vented depth, continuous monitors for measurement of stage and water quality. B = Buoy deployed continuous monitors for water quality.

Note: Pump station samples represents water being pumped into Bayou Segnette before it mixes with water in the bayou.

Bayou Segnette - Subsegment 020701 - Map 1

Legend

- Cross Sections
- Proposed Sites
- GPS Sites
- bayou_bardeaux
- Streampath
- Pumping_Stations
- tenthsofkilos
- kilometers

N W E S

0 0.5 1 2 3 Kilometers

Map Date: 11/20/02
Map Number: 200203019
Map Sources: Digitized from USGS 1:24000 DRG
Site locations from contractor
Map Projection: UTM Zone 15; NAD 27

LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEQ cannot guarantee the accuracy of this data set, and does not accept any responsibility for the consequences of its use.

Bayou Segnette - Subsegment 020701 - Map 2

Legend

- Cross Sections
- Proposed Sites
- GPS Sites
- bayou_bardeaux
- Streampath
- Pumping_Stations
- tenthsofkilos
- kilometers

N W E S

0 0.5 1 2 Kilometers

Map Date: 11/20/02
Map Number: 200203019
Map Sources: Digitized from USGS 1:24000 DRG
Site locations from contractor
Map Projection: UTM Zone 15; NAD 27

LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of map accuracy. Therefore, LDEQ cannot guarantee the accuracy of this data set, and does not accept any responsibility for the consequences of its use.

APPENDIX B2

Water Quality Sampling Data

Table B2.1. Summary of Sampling and In Situ Data for Bayou Segnette (Subsegment 020701).

Site	Lab ID	Date	Time	Sampling Depth (m)	Temp. (ºC)	DO (mg/L)	DO (% sat)	Conduc. (umhos /cm)	Salinity (ppt)	pH (su)	Secchi Depth (ft)	TDS (ppm)	Chloride (ppm)	Chloro-phyll a, calc. (ug/L)	Total Phos. (ppm)	Ammonia Nitrogen (ppm)	TKN (ppm)	NO2 + NO3 (ppm)	TOC (ppm)
BS1	TRG	5/22/03	11:40	1.0	27.5	2.5	32	665	0.34	7.3	1.3	376	110	54	0.58	0.66	1.88	0.24	13.40
BS2	TRG	5/22/03	11:00	1.0	26.7	3.0	37	733	0.38	7.2	1.8	404	149	55	0.43	0.29	1.91	0.07	18.90
BS3	TRG	5/22/03	11:30	1.0	26.9	4.8	60	711	0.37	7.4	1.5	398	151	45	0.36	0.52	1.52	ND	17.60
BS4	TRG	5/22/03	11:00	1.0	27.2	4.5	57	1226	0.64	7.1	2.0	618	289	33	0.13	ND	1.36	ND	17.70
BS5	TRG	5/22/03	11:35	1.0	27.2	4.6	58	1951	1.04	7.1	1.5	998	504	30	0.26	0.25	1.18	ND	13.90
BS6	TRG	5/22/03	11:55	1.0	26.8	3.2	40	1555	0.83	6.8	2.5	816	395	36	0.13	0.12	1.28	ND	16.00
MC1	TRG	5/21/03	10:15	1.0	26.6	2.3	28	1037	0.54	7.2		616	243		0.24	0.13	1.65	ND	19.00
MC1	TRG	5/22/03	10:20	1.0	27.0	2.7	34	1913	1.02	7.4		1058	484		0.27	0.34	1.41	ND	12.80
OCC1	TRG	5/21/03	11:18	1.0	27.5	4.6	58	630	0.32	7.3		368	125		0.18	ND	1.51	ND	14.00
OCC1	TRG	5/22/03	10:20	1.0	27.2	3.3	42	587	0.30	7.3	1.4	330	104		0.48	0.49	1.78	0.20	10.60
PC1	TRG	5/21/03	11:00	1.0	26.1	1.2	22	1258	0.66	6.8	2.0	662	315		0.09	0.14	1.52	ND	24.40
PC1	TRG	5/22/03	09:50	1.0	25.7	1.2	15	1161	0.61	6.6	3.0	616	293		0.12	ND	1.48	ND	23.40
TC1	TRG	5/21/03	12:30	1.0	27.2	2.6	33	948	0.50	7.2		526	240		0.12	0.10	1.43	ND	18.90
TC1	TRG	5/22/03	10:25	1.0	26.8	2.2	28	914	0.48	6.7	2.5	502	227		0.16	0.14	1.21	ND	19.00
UCA1	TRG	5/21/03	10:36	1.0	27.3	1.9	25	782	0.40	7.0		434	150		0.48	0.13	1.54	ND	21.20
UCA1	TRG	5/22/03	08:55	1.0	25.7	0.7	8	794	0.41	6.9	2.9	470	158		0.48	0.26	1.47	ND	20.20
PS5	TRG	5/21/03	12:45	0.6	27.7	0.9	11	2304	1.24	7.4		1154	556		0.35	0.95	2.65	0.15	19.00
BV1	TRG	5/21/03	10:35	1.0	27.4	6.5	83	3236	1.75	7.6	2.5	1670	907		0.09	ND	0.86	0.09	10.60
BV1	TRG	5/22/03	09:15	1.0	26.5	6.9	87	3502	1.91	7.7	1.5	1742	971		0.24	0.18	1.17	ND	10.70
PS1	TRG	5/22/03	10:25	1.0	25.3	0.2	2	718	0.37	7.0		364	84		3.40	7.60	9.56	NR	8.50
PS2	TRG	5/22/03	11:00	1.0	26.7	4.5	55	1280	0.68	8.2		774	215		0.59	ND	1.33	0.23	19.30
PS3	TRG	5/21/03	09:40	0.3	25.6	2.3	30	345	0.17	7.3		176	31		0.55	0.91	1.98	0.43	9.50
PS3	TRG	5/22/03	09:20	0.3	25.9	1.2	15	476	0.24	7.1		316	57		1.21	1.32	2.70	0.30	8.40
BB2	TRG	5/21/03	13:30	1.0	27.7	6.5	83	1095	0.57	7.6		590	271		0.16	ND	1.36	ND	14.60
BB2	TRG	5/22/03	11:00	1.0	27.1	5.9	74	934	0.49	7.6		512	221		0.26	0.12	1.23	ND	16.30

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\WQ_SUMMARY.XLS

Table B2.2. Comparison of historical data and survey data.

Parameter	Historical data at LDEQ station 0296 for May and June (16 samples)		Survey data at BS-1 on 5/22/03
	Range	Median	
Temperature (C)	22.3 - 33.6	27.6	27.5
DO (mg/L)	1.8 - 8.7	3.3	2.5
Conductivity (umhos)	188 - 4837	802	665
NO2+NO3 (mg/L of N)	0.06 - 2.84	0.26	0.24
TKN (mg/L of N)	0.91 - 2.80	1.90	1.88
Total phos. (mg/L)	0.07 - 0.82	0.53	0.58
TOC (mg/L)	7.5 - 18.6	14.9	13.4

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\0296WQNF.XLS

APPENDIX B3

Plots of Continuous In Situ Data

Figure B3.1. Temperature vs. Time for Bayou Segnette at BS-1

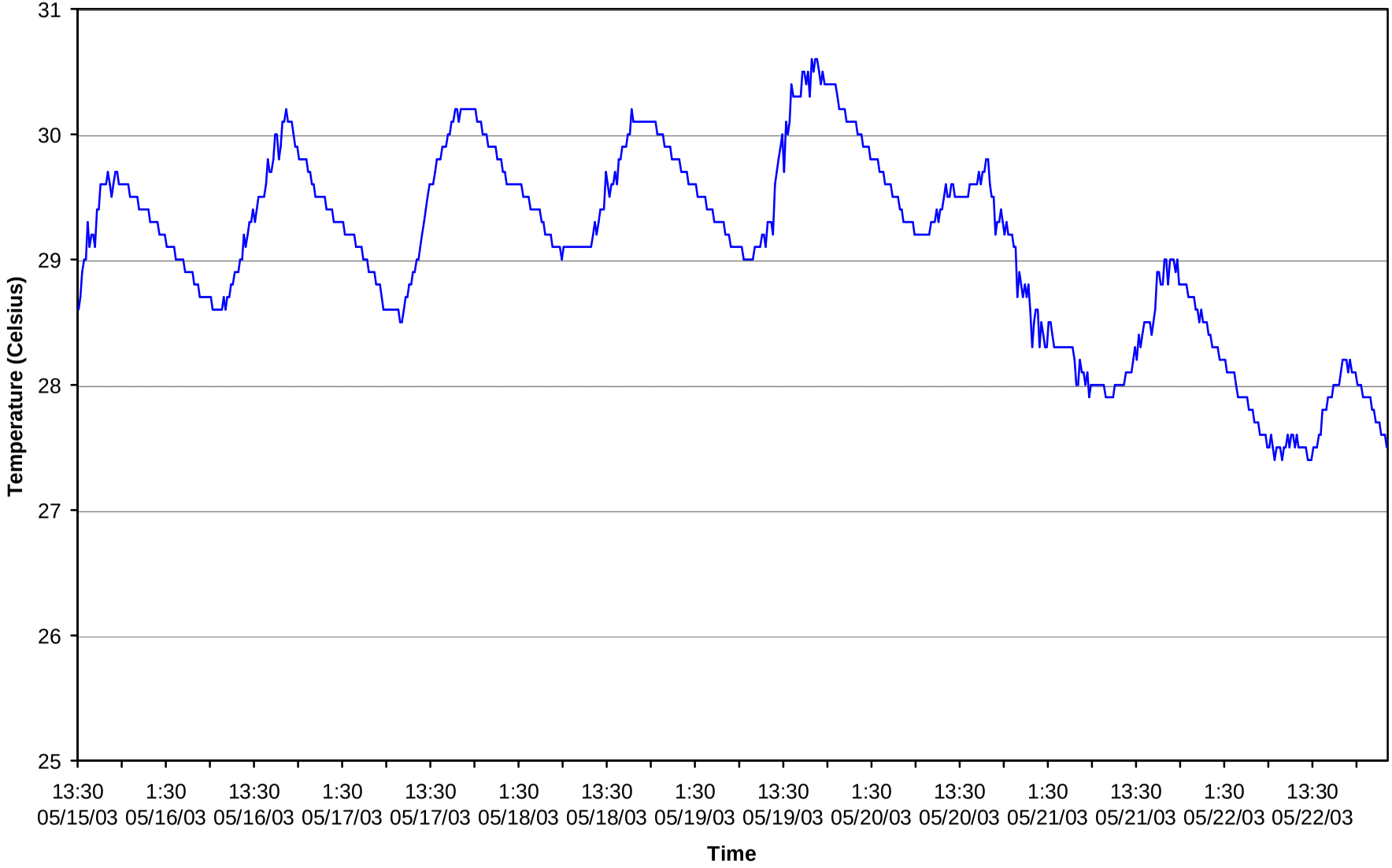


Figure B3.2. DO vs. Time for Bayou Segnette at BS-1

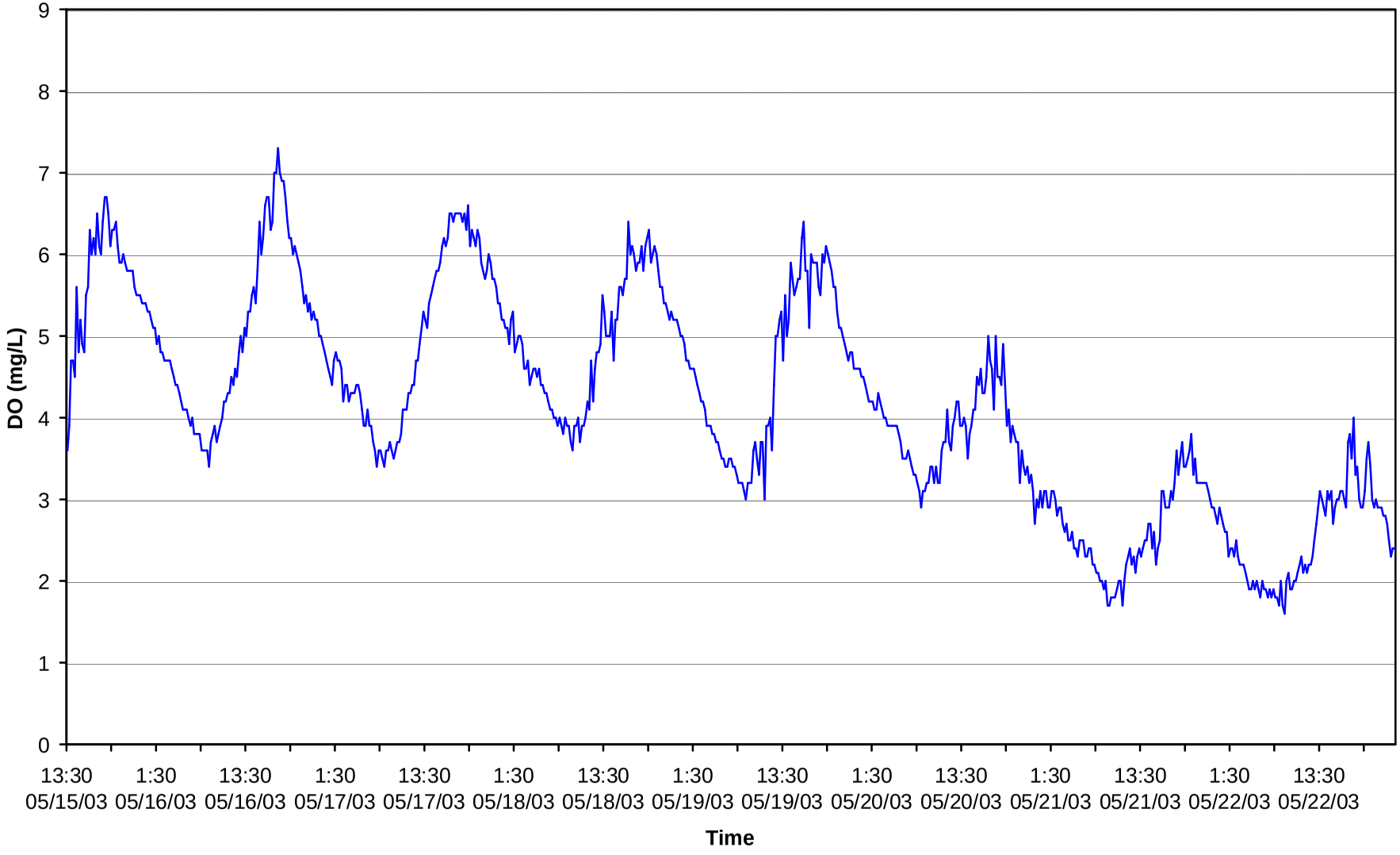


Figure B3.3. DO Percent Saturation vs. Time for Bayou Segnette at BS-1

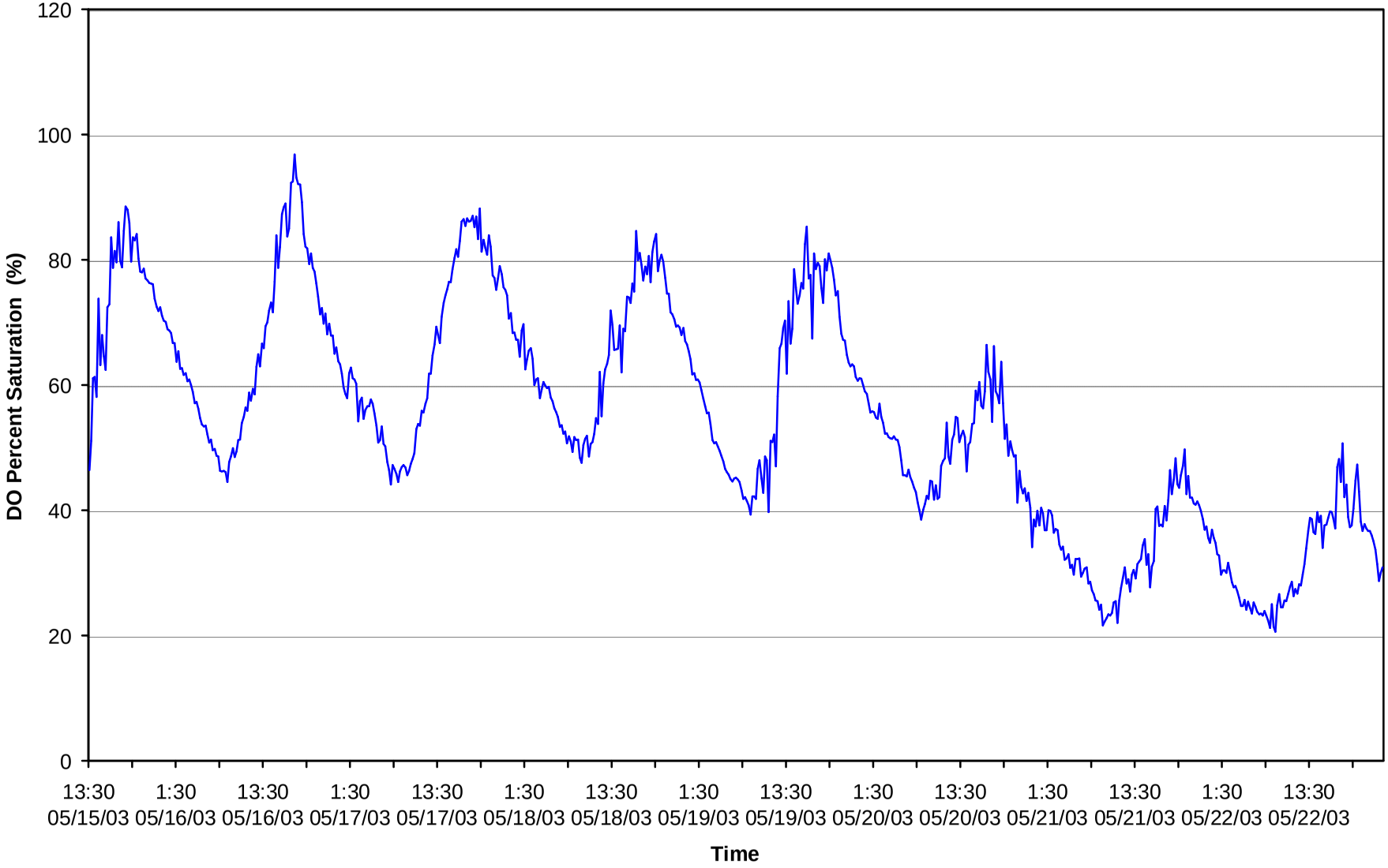


Figure B3.4. pH vs. Time for Bayou Segnette at BS-1

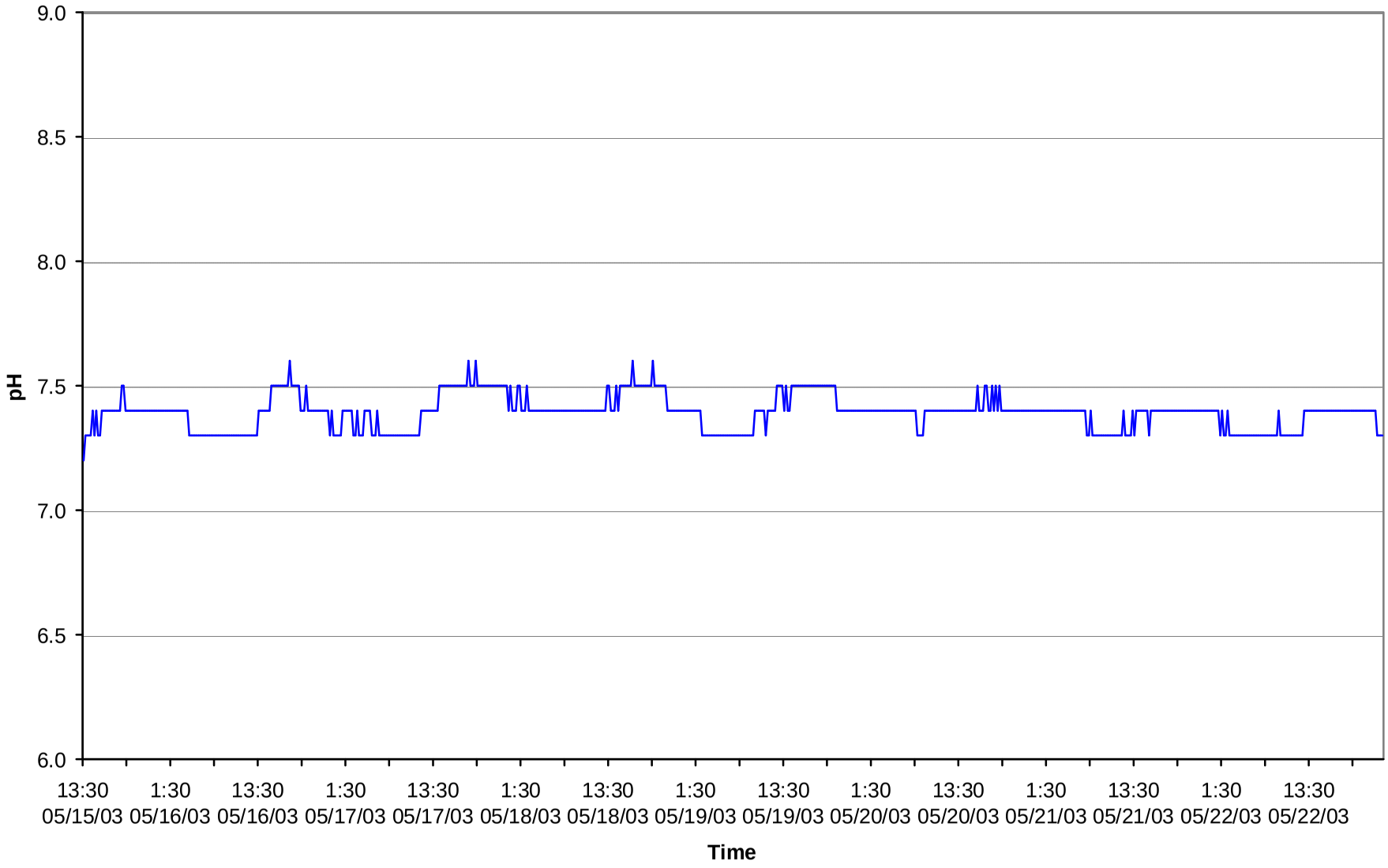


Figure B3.5. Specific Conductivity vs. Time for Bayou Segnette at BS-1

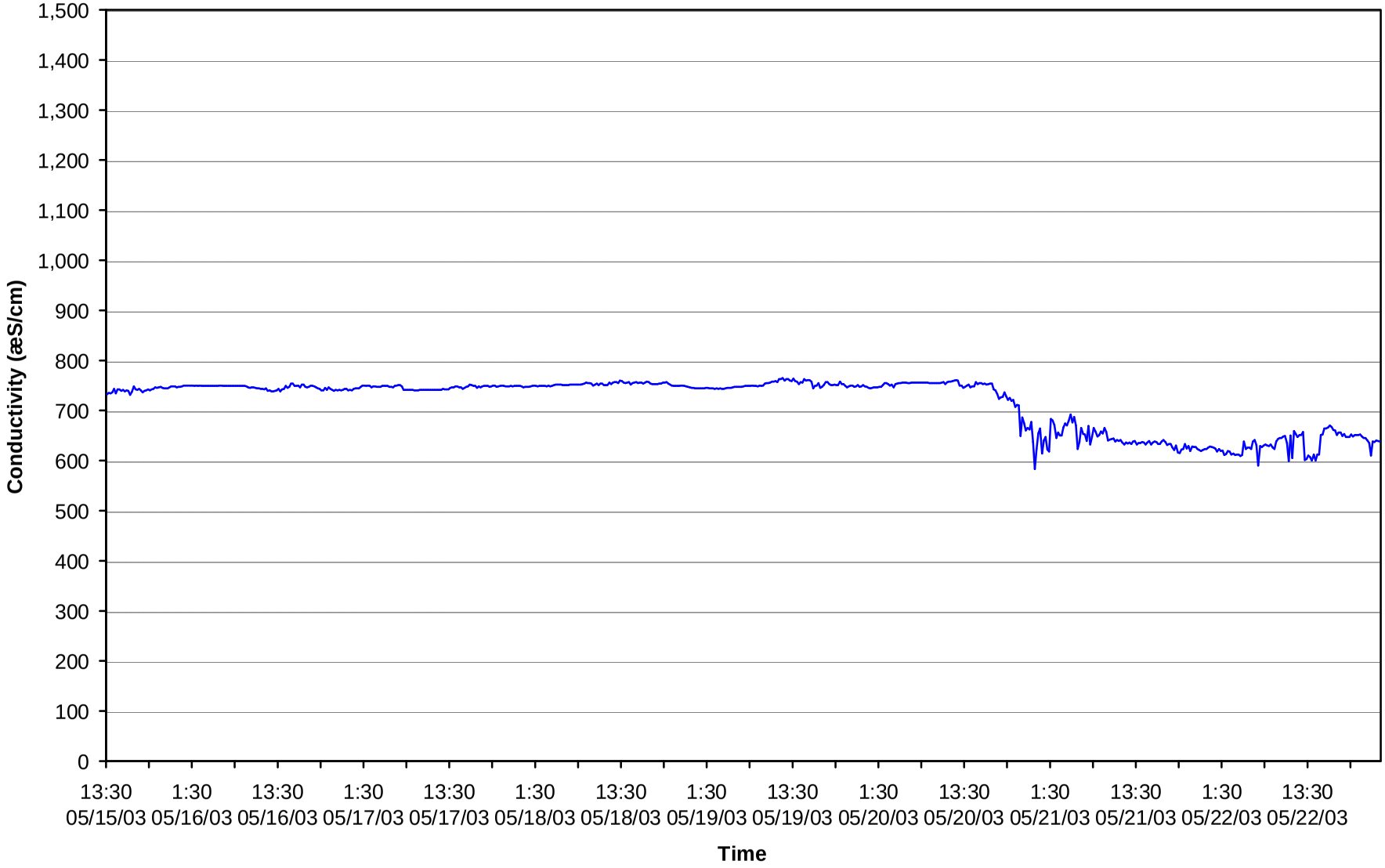


Figure B3.6. Water Level vs. Time for Bayou Segnette at BS-1

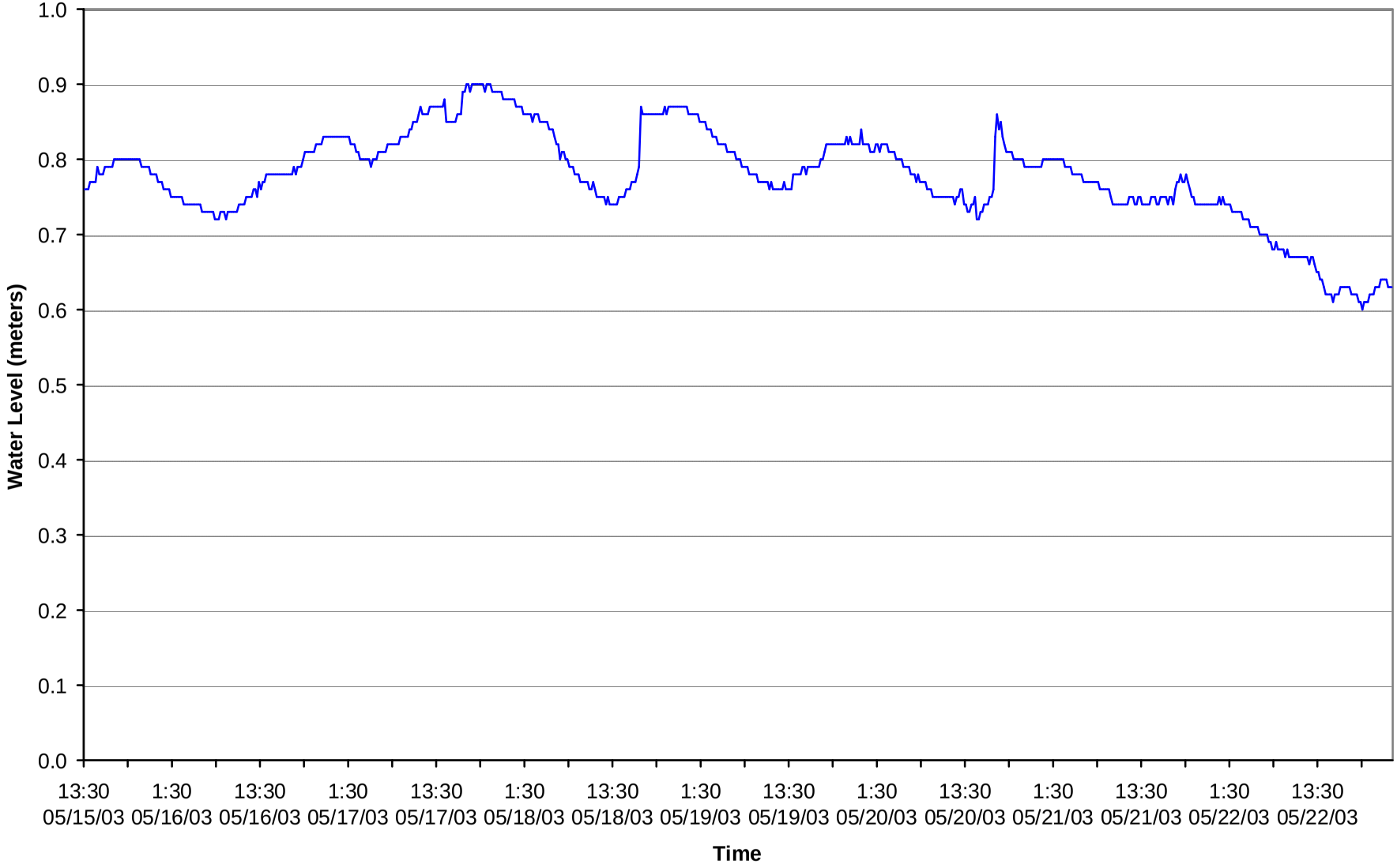


Figure B3.7. Temperature vs. Time for Bayou Segnette at BS-4

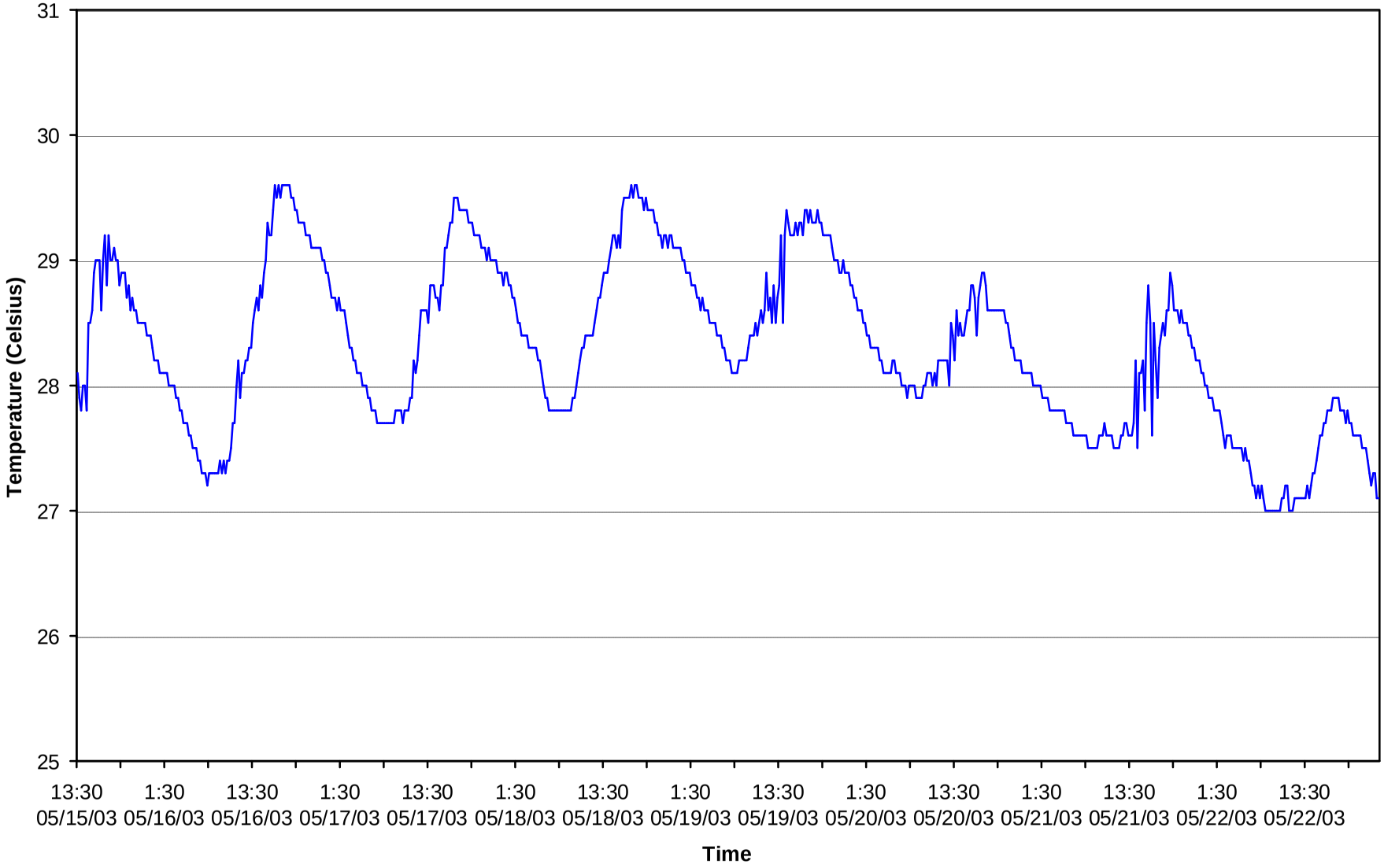


Figure B3.8. DO vs. Time for Bayou Segnette at BS-4

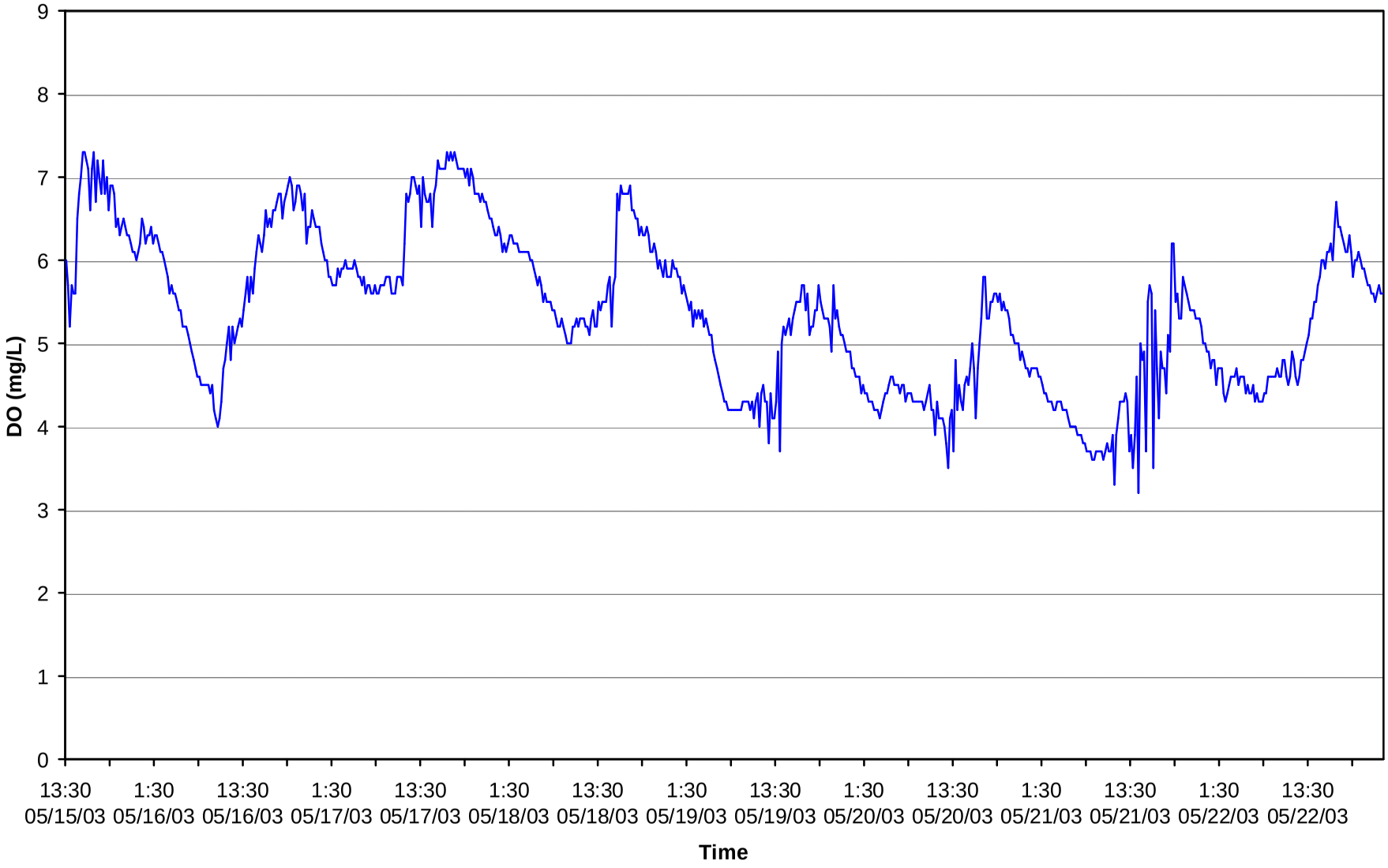


Figure B3.9. DO Percent Saturation vs. Time for Bayou Segnette at BS-4

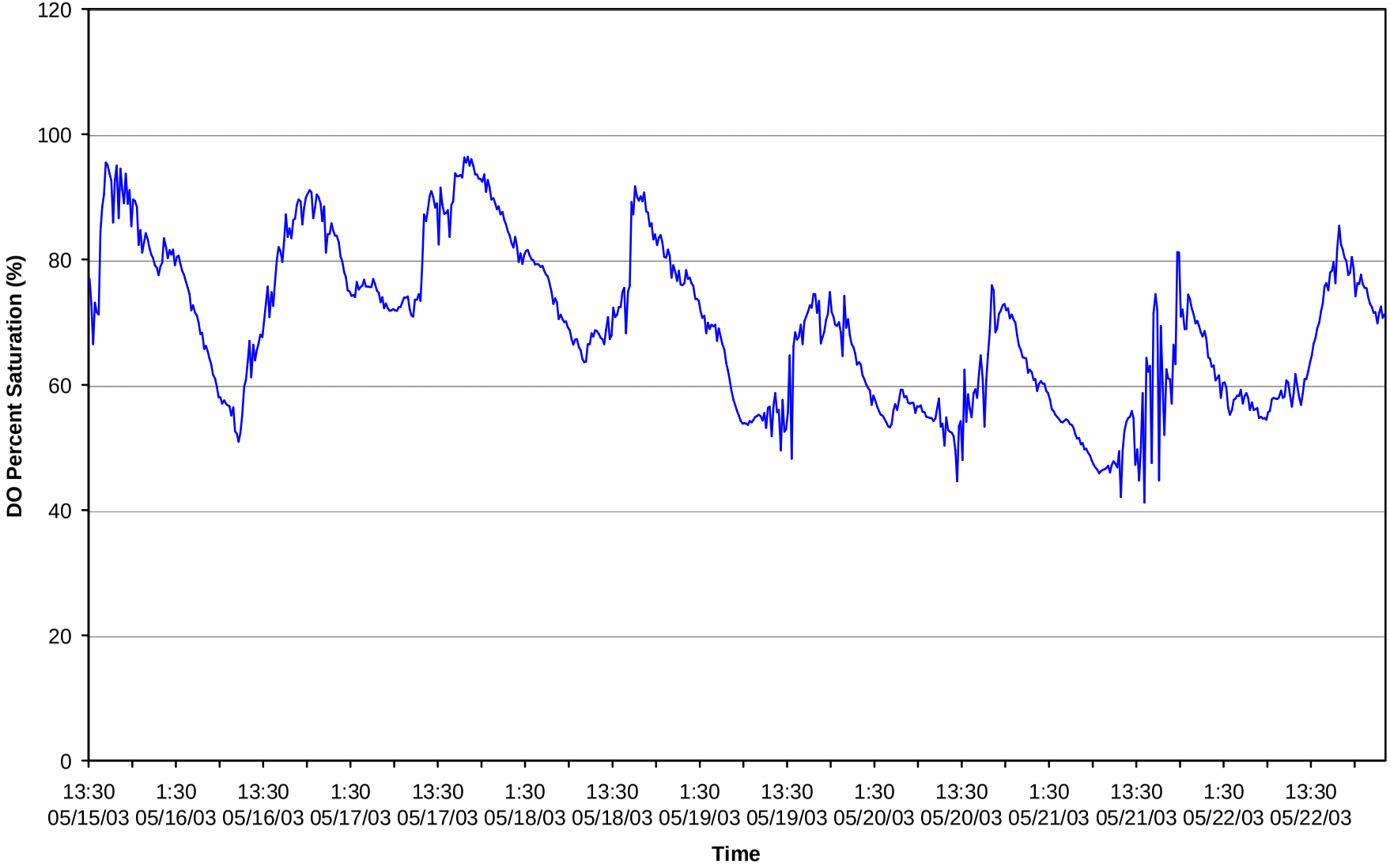


Figure B3.10. pH vs. Time for Bayou Segnette at BS-4

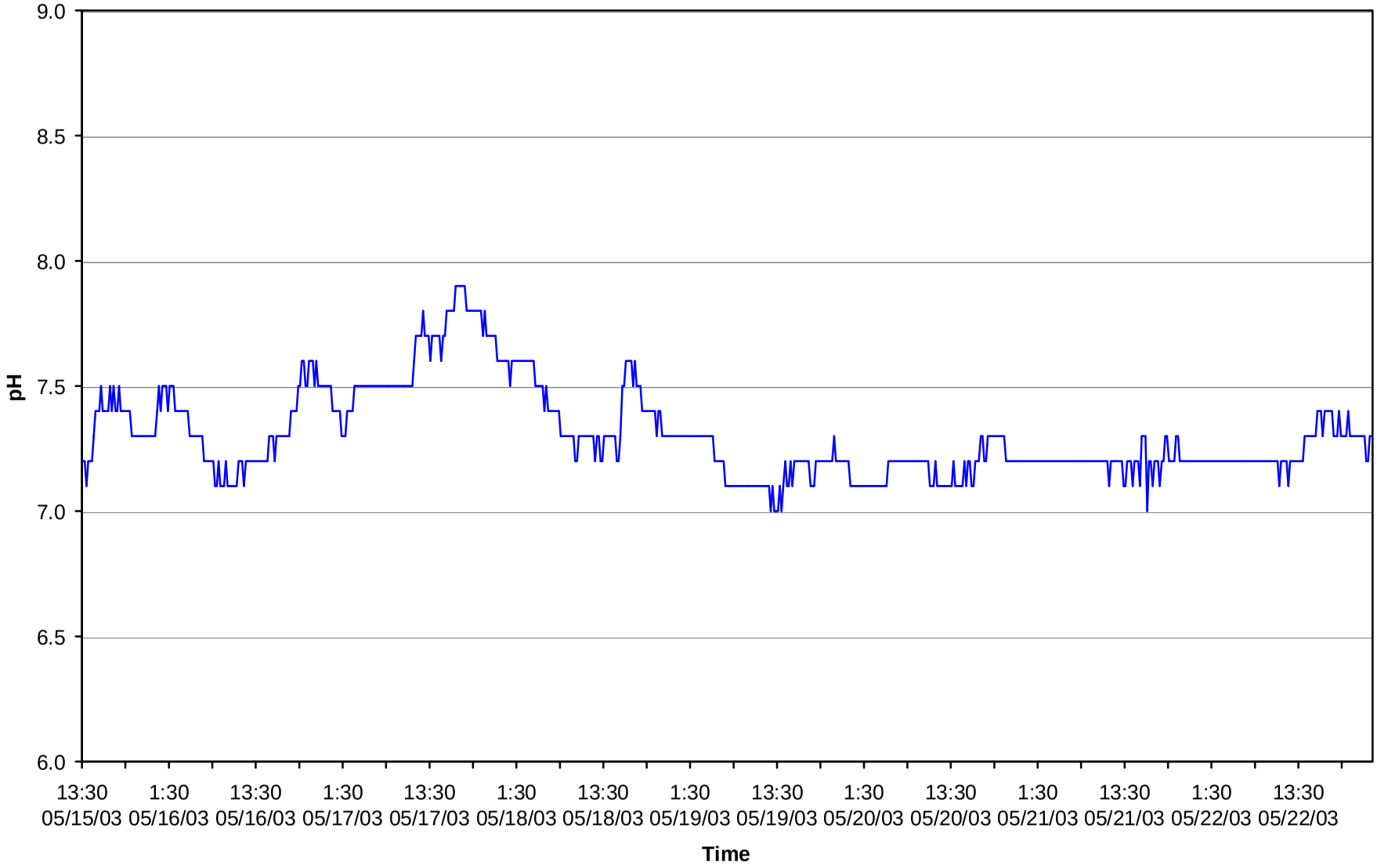


Figure B3.11. Specific Conductivity vs. Time for Bayou Segnette at BS-4

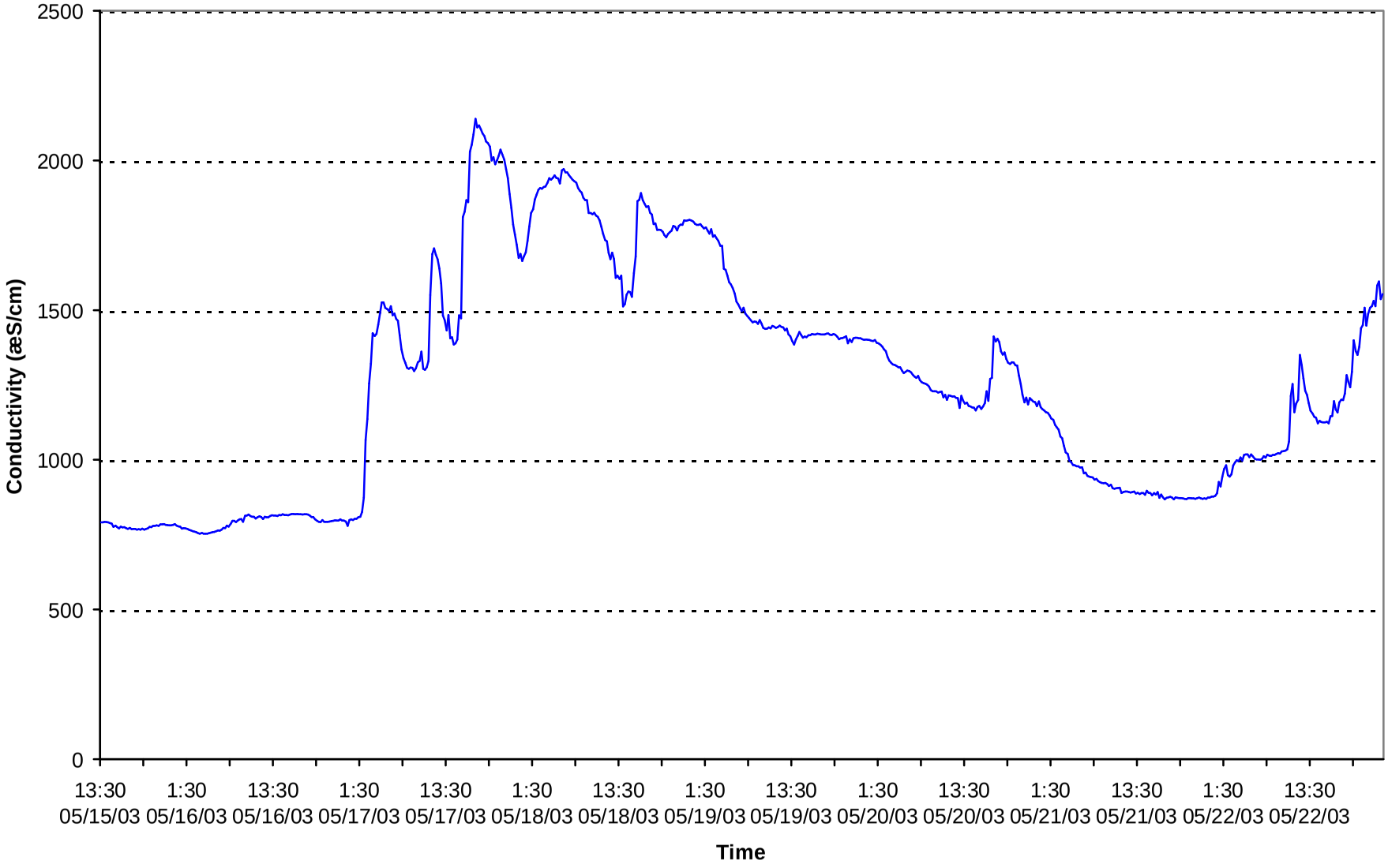


Figure B3.12. Water Level vs. Time for Bayou Segnette at BS-4

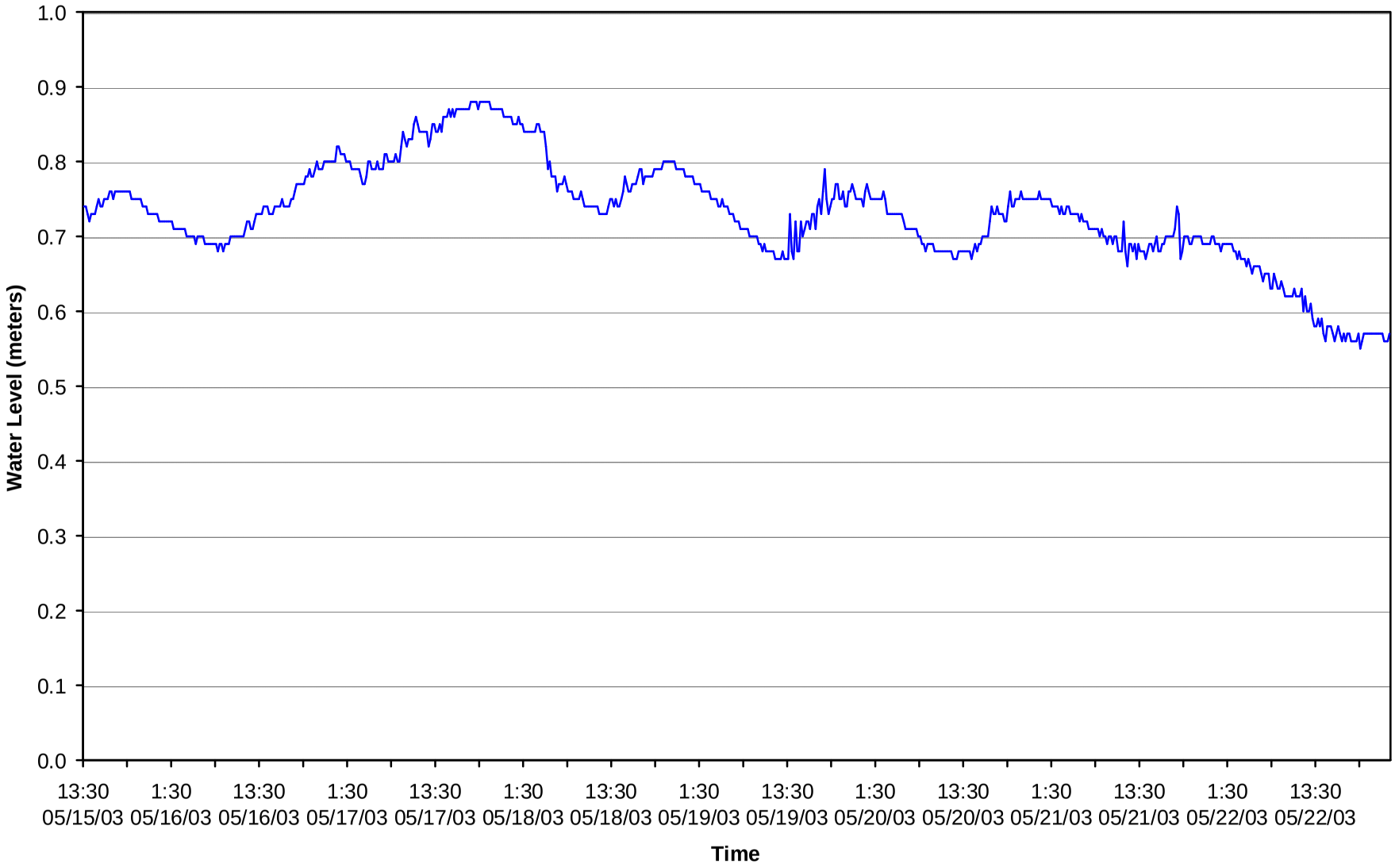


Figure B3.13. Temperature vs. Time for Bayou Segnette at BS-6

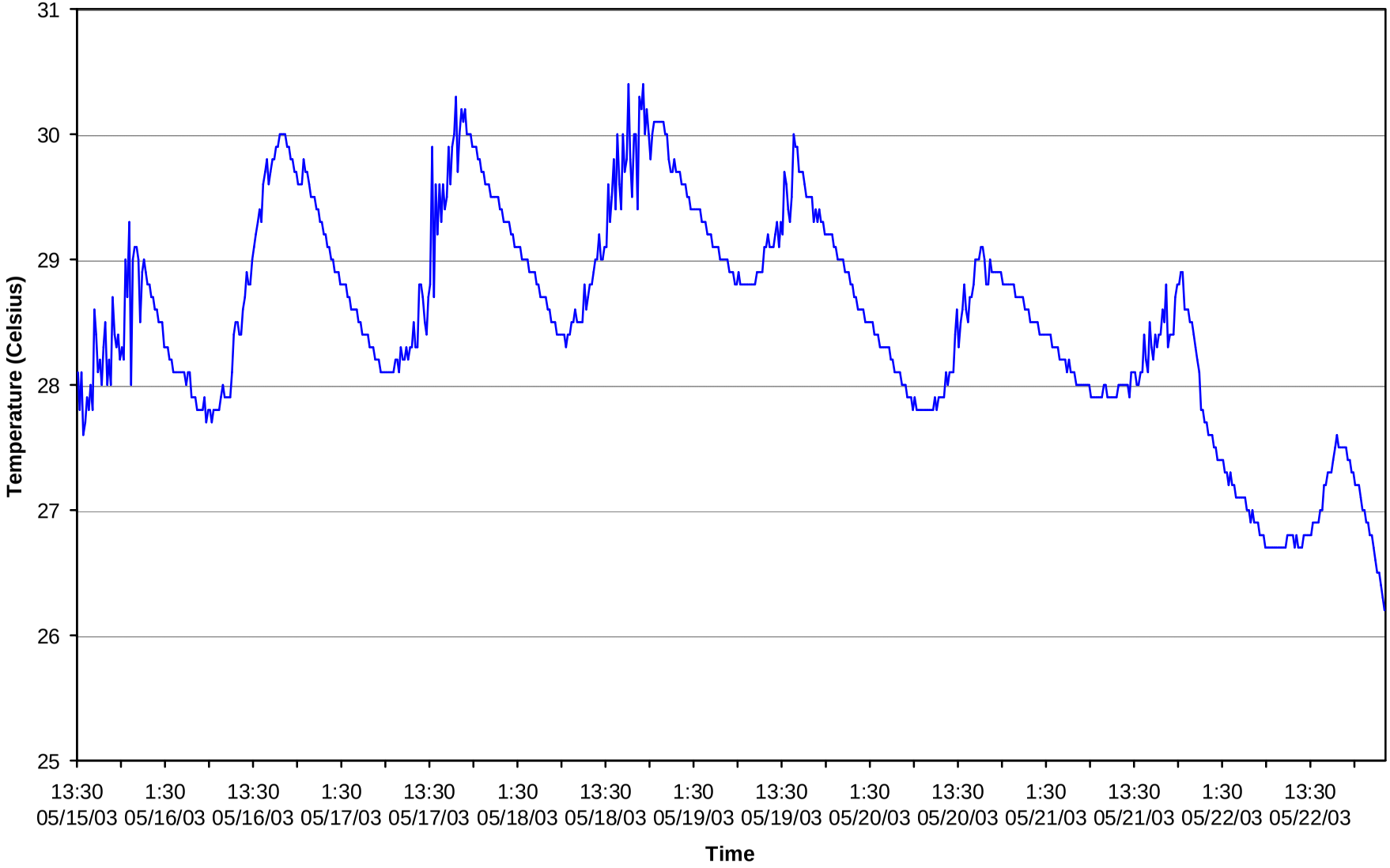


Figure B3.14. DO vs. Time for Bayou Segnette at BS-6

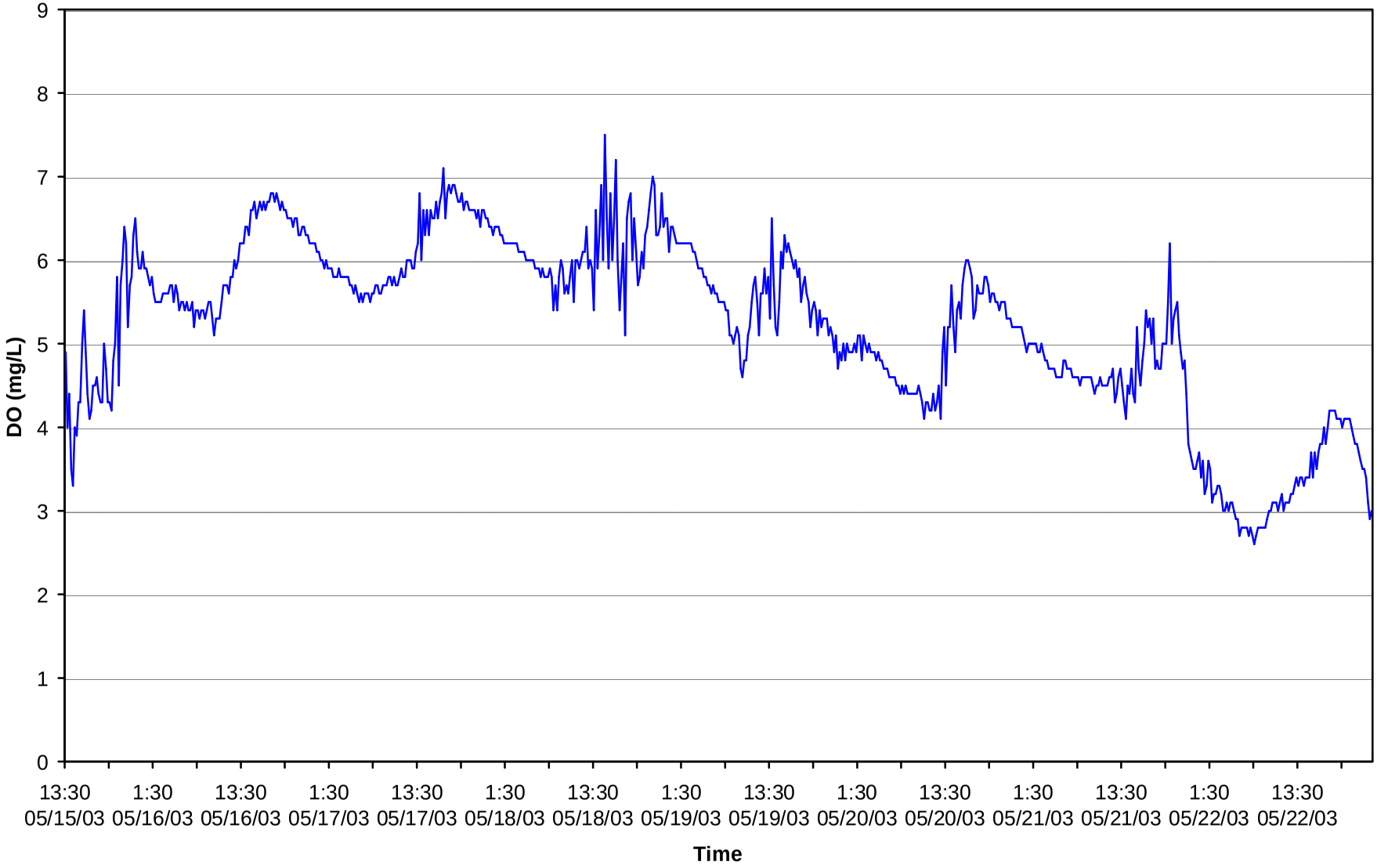


Figure B3.15. DO Percent Saturation vs. Time for Bayou Segnette at BS-6

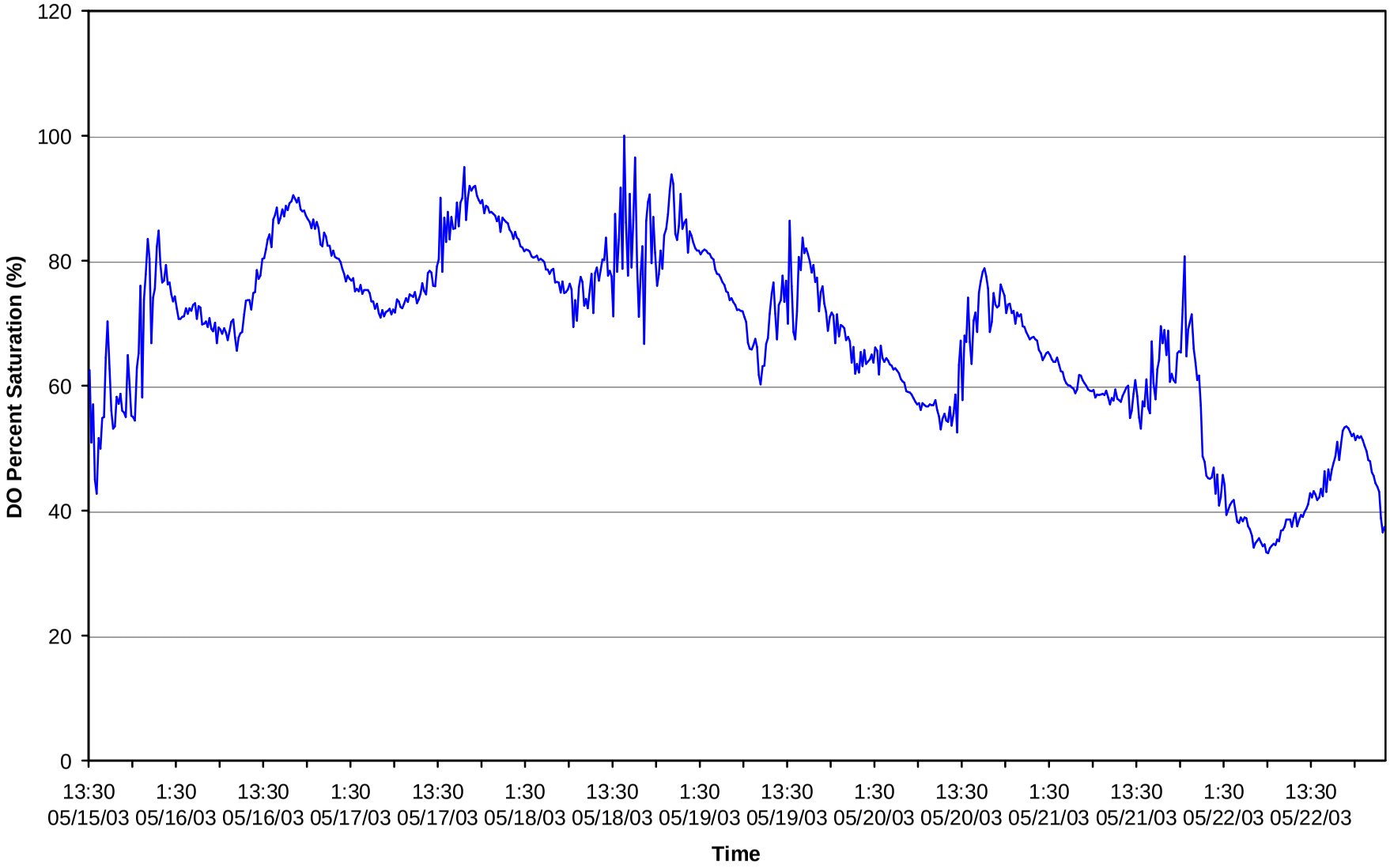


Figure B3.16. pH vs. Time for Bayou Segnette at BS-6

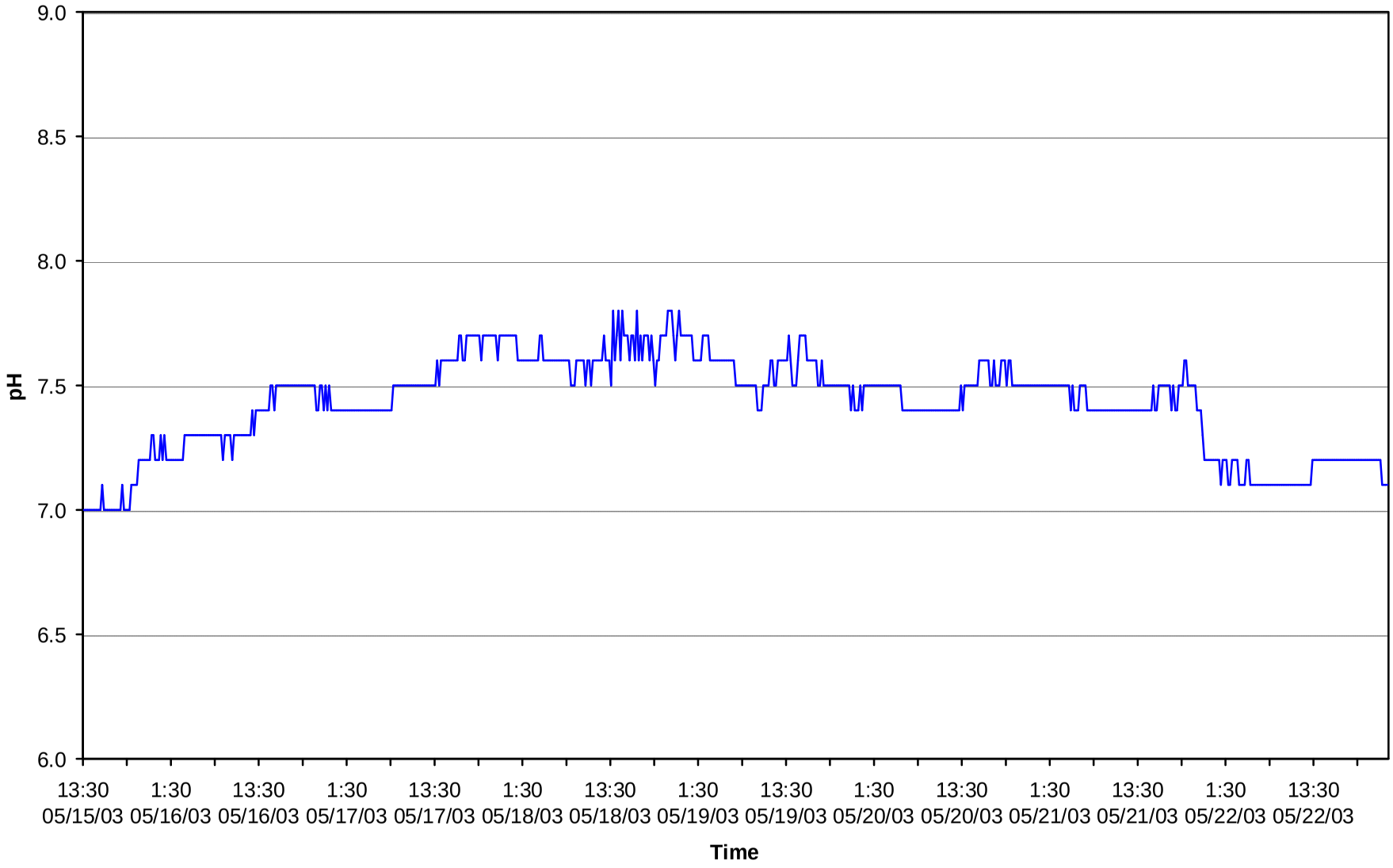


Figure B3.17. Specific Conductivity vs. Time for Bayou Segnette at BS-6

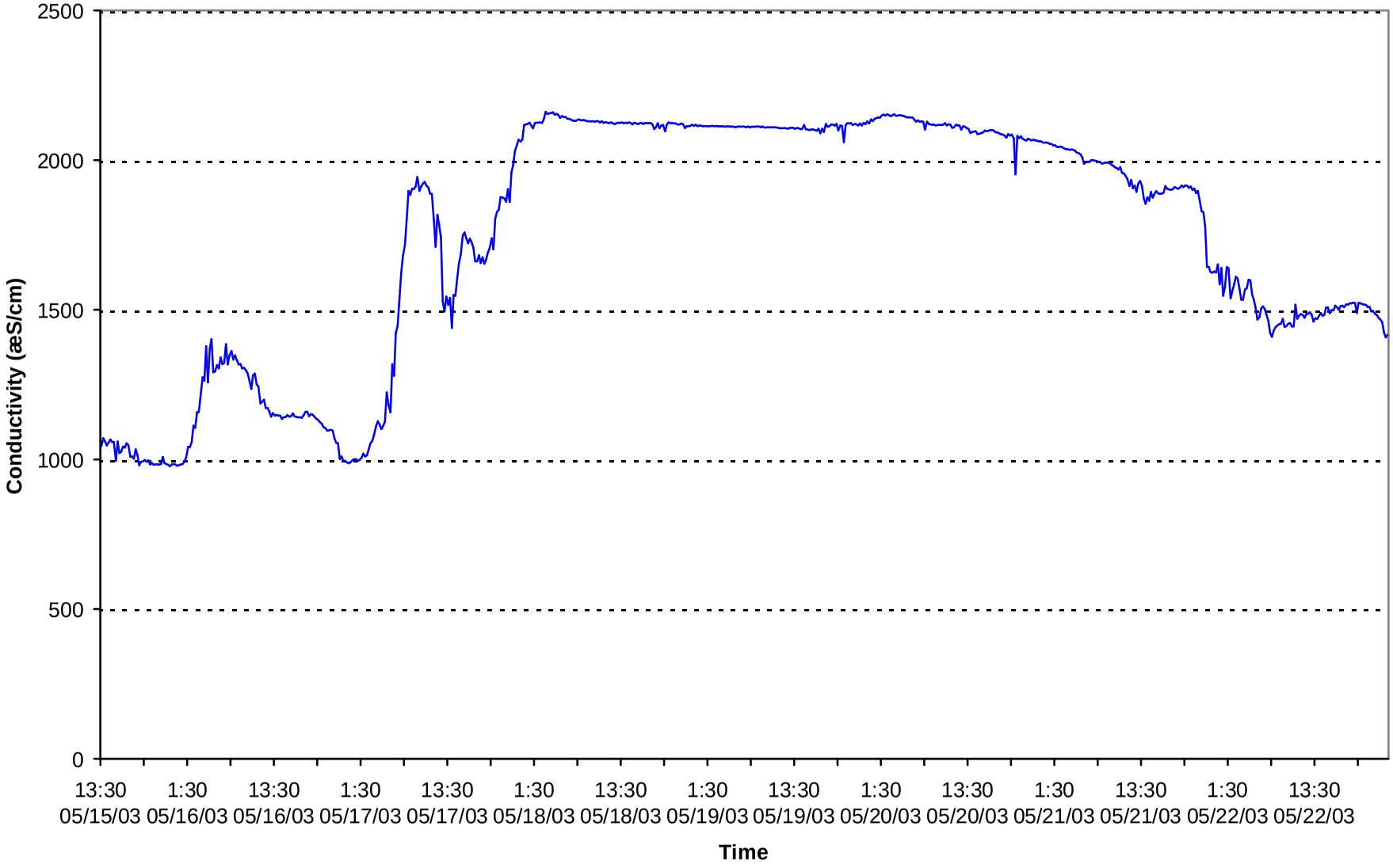


Figure B3.18. Water Level vs. Time for Bayou Segnette at BS-6

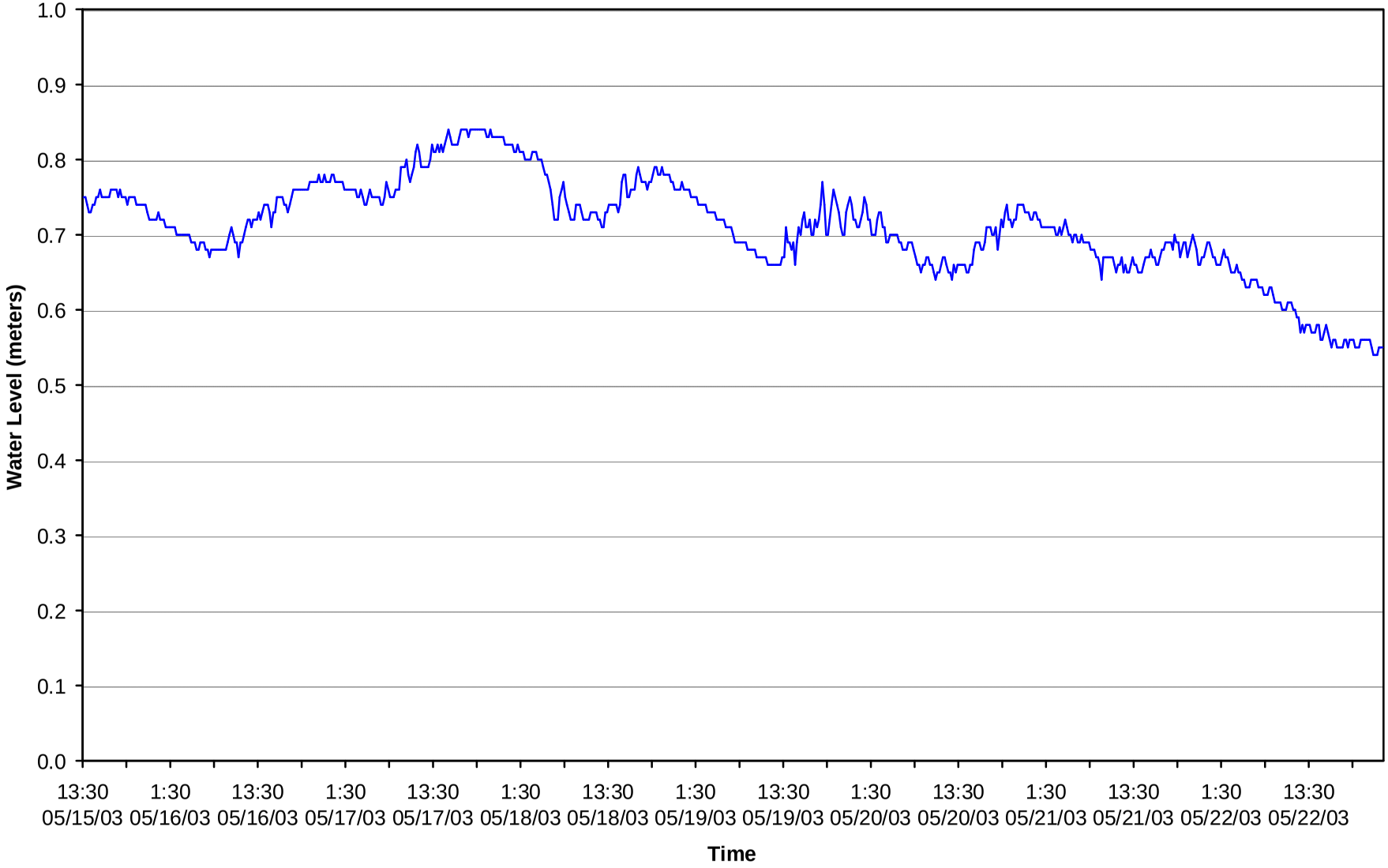


Figure B3.19. Temperature vs. Time for Bayou Bardeaux at BB-2

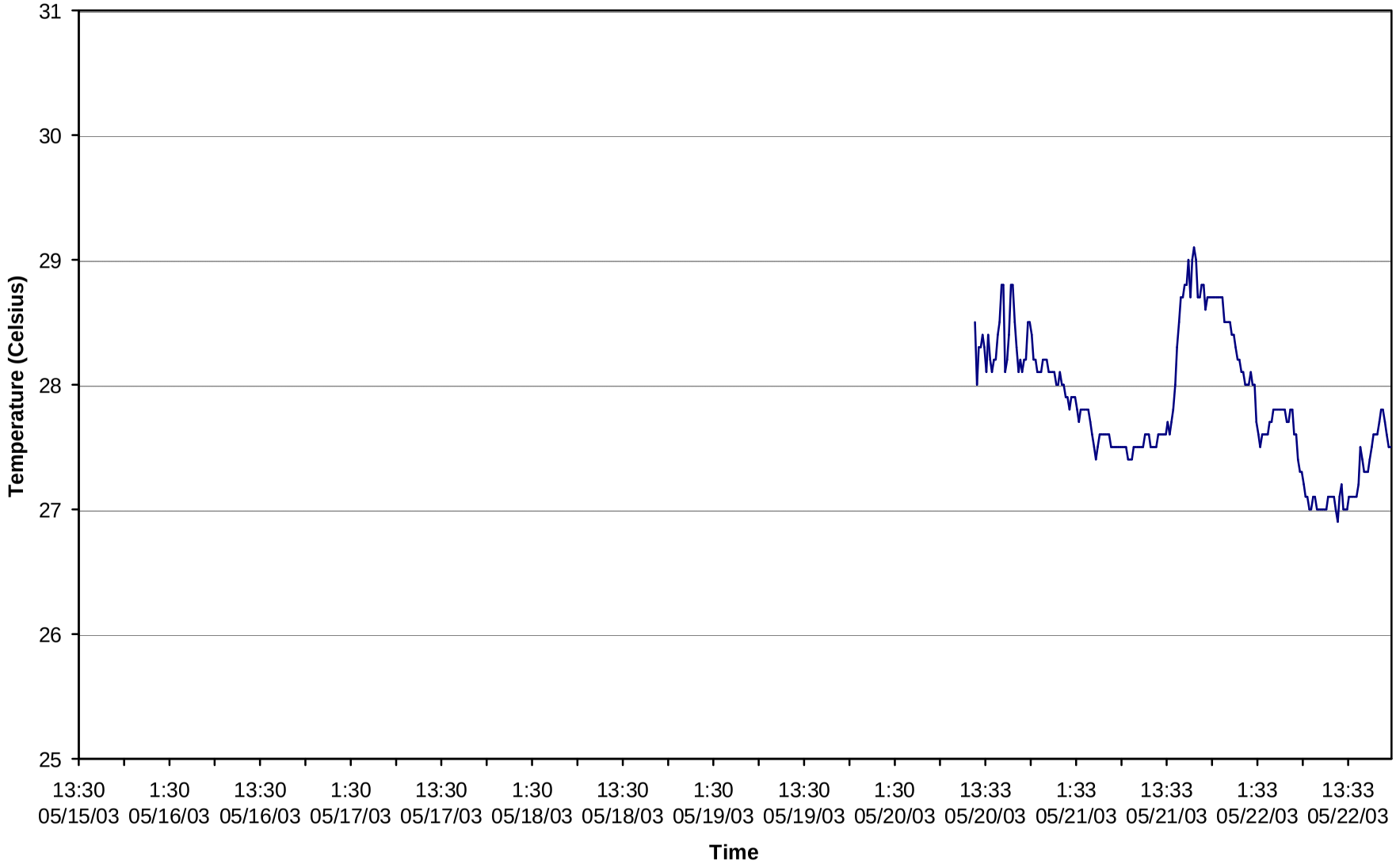


Figure B3.20. DO vs. Time for Bayou Bardeaux BB-2

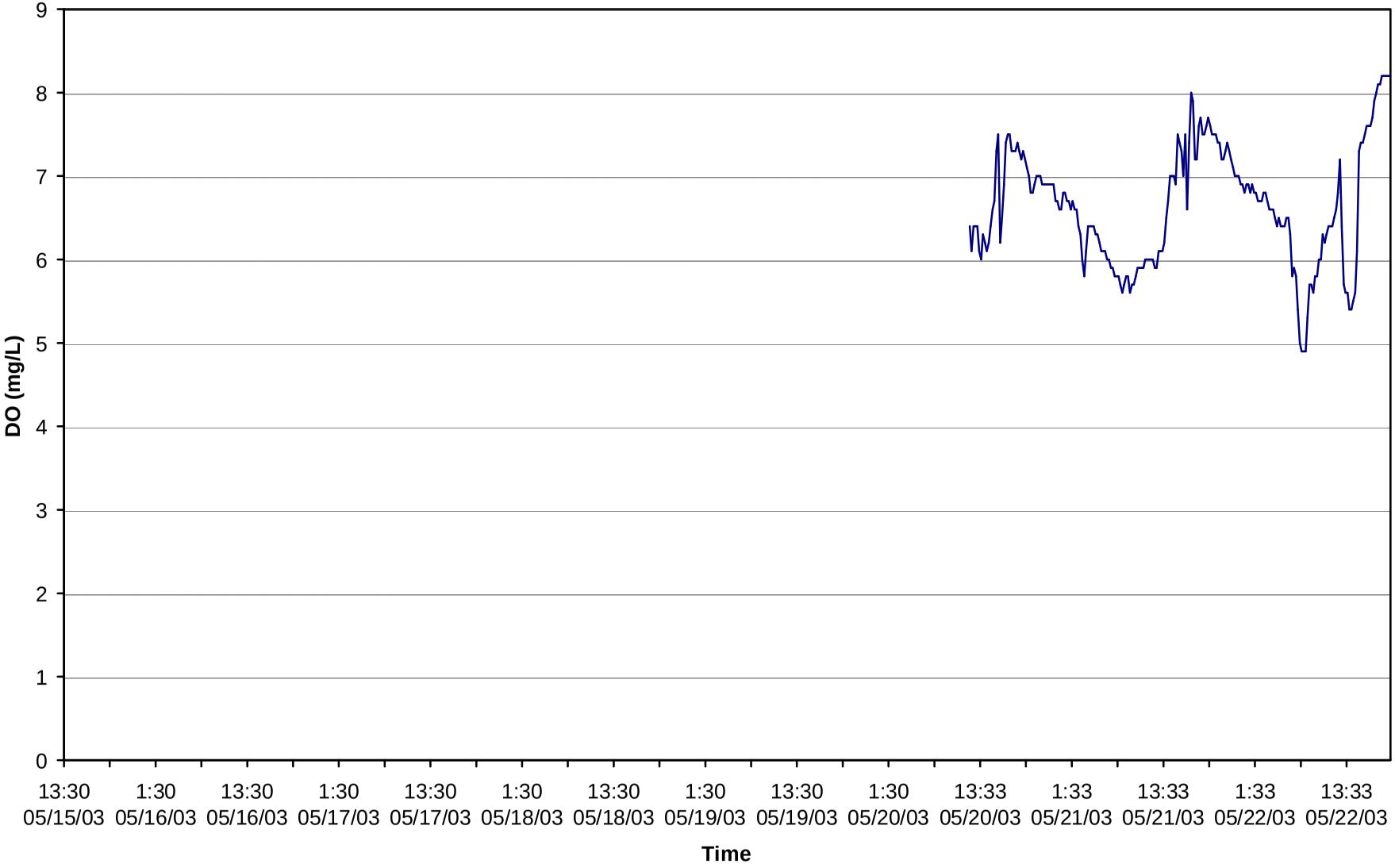


Figure B3.21. DO Percent Saturation vs. Time for Bayou Bardeaux at BB-2

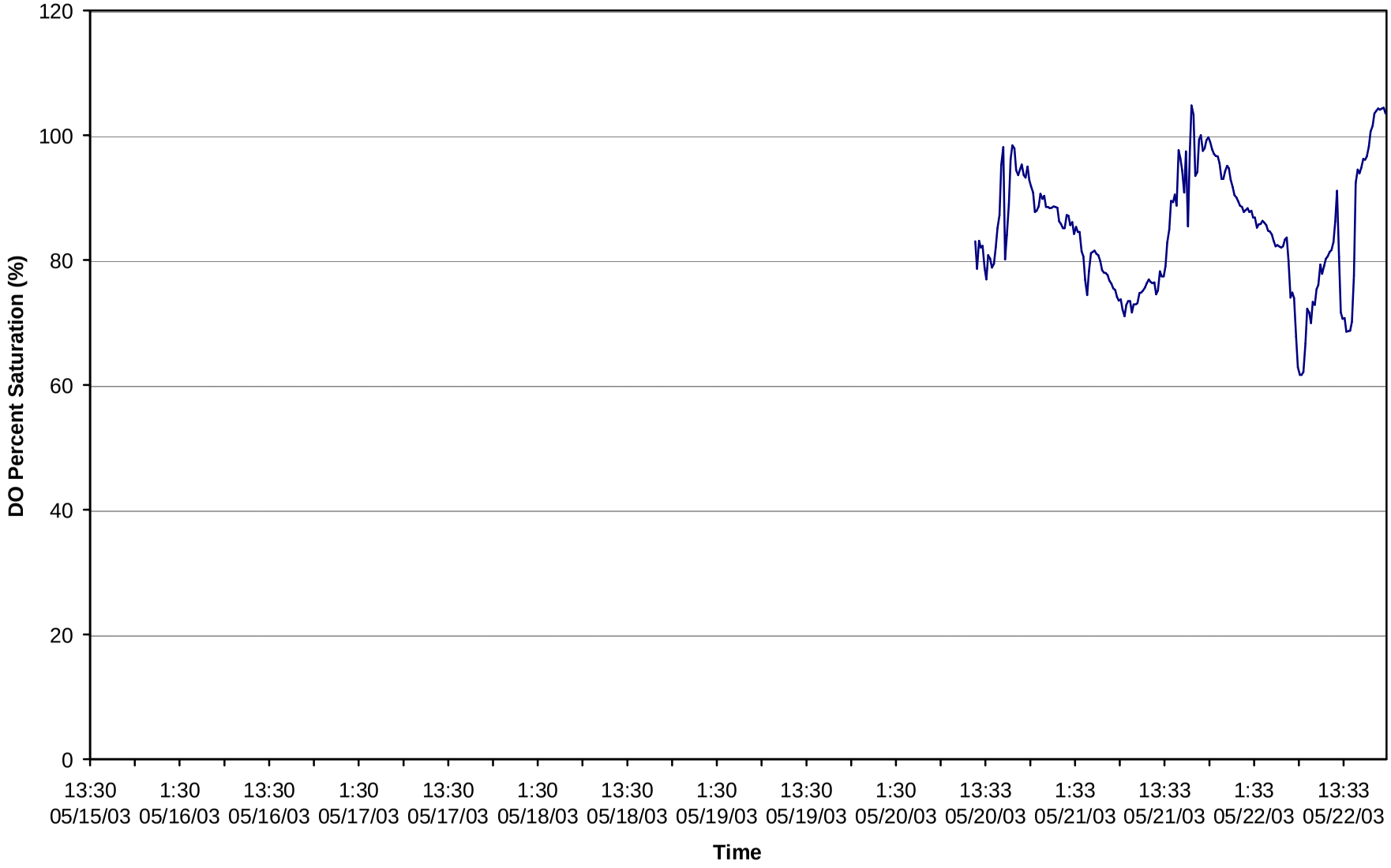


Figure B3.22. pH vs. Time for Bayou Bardeaux BB-2

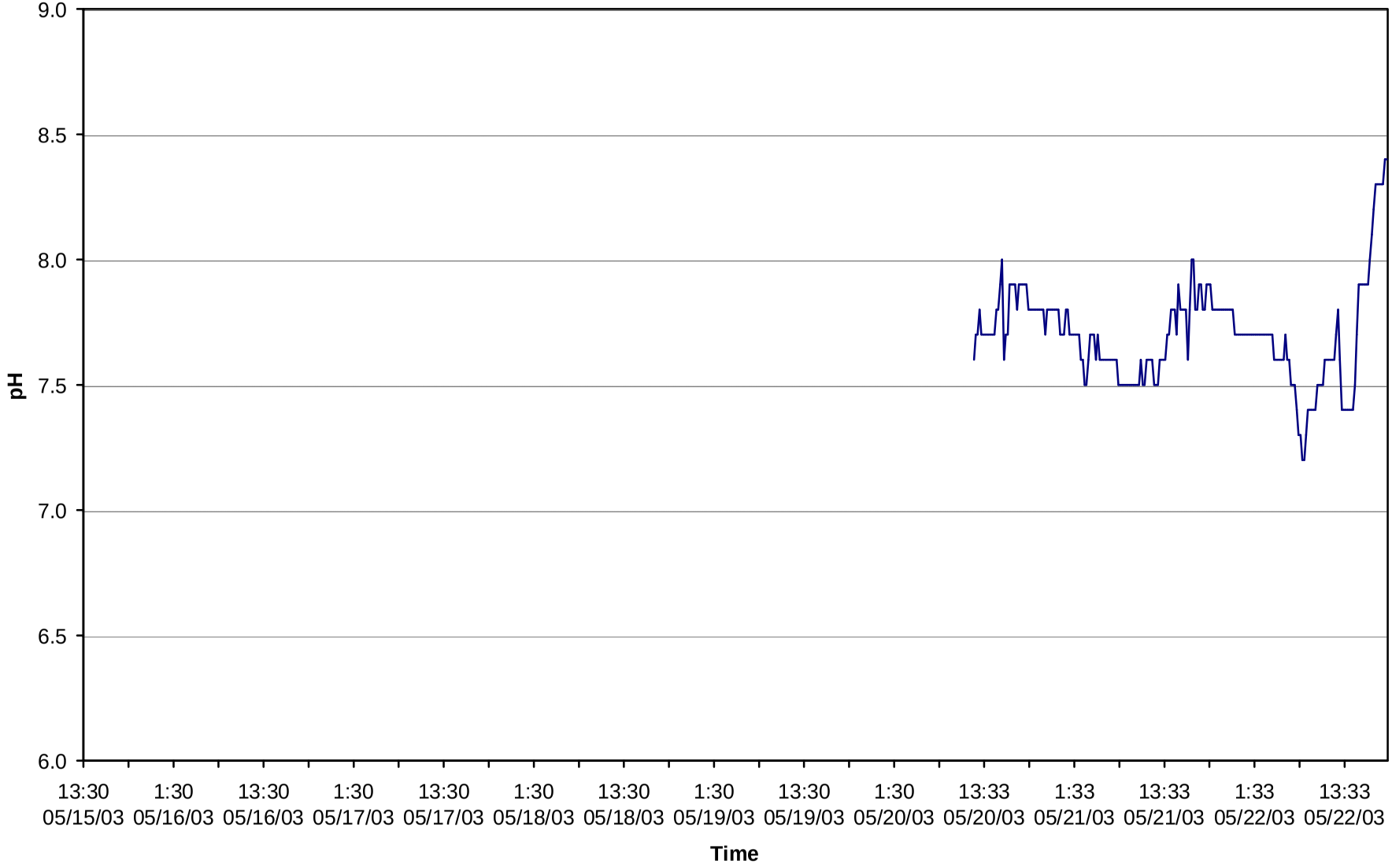
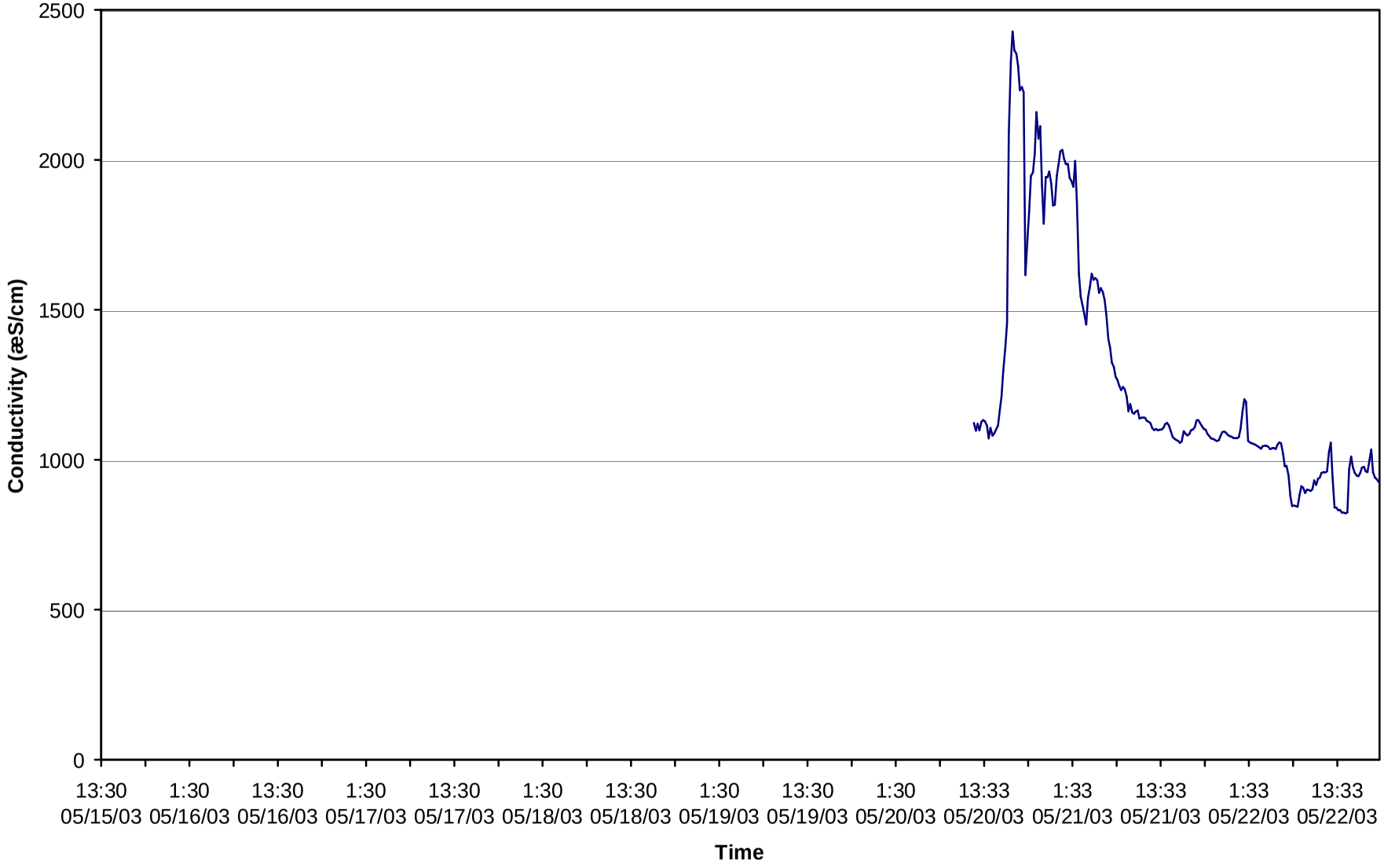


Figure B3.23. Specific Conductivity vs. Time for Bayou Bardeaux at BB-2



APPENDIX B4

Results of BOD Time Series Analyses

Table B4.1. Summary of GSBOD results for Bayou Segnette.

Sample No.	NBODu (mg/L)	NBODu rate (1/day)	CBODu (mg/L)	CBODu rate (1/day)
Samples collected on 5-21-03				
BB2-Between connections to Bayou Segnette	2.13	0.09	10.47	0.07
BV1-Bayou Villars at south end of Bayou Segnette	0.99	0.13	4.73	0.05
MC1-Millaudon Canal	3.49	0.14	13.87	0.11
OCC1-Outer Cataouatche Canal,	2.59	0.10	11.60	0.09
PC1-Pipeline Canal	1.32	0.08	11.03	0.04
PS3-East side of Bayou Segnette	*	*	*	*
PS5-Bayou Segnette, Pumping station #5	9.45	0.12	16.00	0.16
TC1-Tarpaper Canal	2.35	0.14	11.88	0.07
UCA1-Unamed Canal A	1.75	0.10	10.57	0.06
PS3-East side of Bayou Segnette	*	*	*	*
Samples collected on 5-22-03				
BB2-Between connections to Bayou Segnette	1.83	0.10	11.28	0.08
BS1-Bayou Segnette at Lapalco Blvd.	*	*	*	*
BS2-Bayou Segnette	2.78	0.11	11.80	0.07
BS3-Bayou Segnette	2.25	0.10	11.79	0.07
BS4-Bayou Segnette	1.40	0.10	10.49	0.06
BS5-Bayou Segnette	1.17	0.10	8.77	0.05
BS6-Bayou Segnette	1.34	0.13	11.28	0.04
BV1-Bayou Villars at south end of Bayou Segnette	1.20	0.06	7.31	0.05
MC1-Millaudon Canal	2.83	0.11	10.68	0.09
OCC1-Outer Cataouatche Canal	4.55	0.25	10.98	0.08
PC1-Pipeline Canal	1.13	0.08	12.05	0.04
PS1-East side of Bayou Segnette	39.11	0.51	19.61	0.60
PS2-West side of Bayou Segnette	1.34	0.10	8.75	0.06
PS3-East side of Bayou Segnette	7.26	0.40	14.40	0.04
TC1-Tarpaper Canal	1.20	0.13	9.95	0.05
UCA1-Unamed Canal A	2.02	0.18	11.97	0.06

*Ultimate BOD values and decay rates could not be calculated for the two PS-3 samples on 5/21/03 and the BS-1 sample on 5/22/03. For each of these three samples, the DO in the sample was depleted between reading 3 and reading 4; all BOD values after reading 3 were reported as "NR".

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\GSBOD_ BAY_SEG 5-21-03.XLS

Instructions for the worksheet:

1. Enter the appropriate data into the green highlighted cells. The 60th or final day analysis data goes into the far right date column. The rest of the analysis data goes in the columns to the left of the 60th or final day values. The NOx data for the analysis start date goes in the NOx section underneath the analysis start date.
2. Click on the "Measured BOD" tab at the bottom of the page and follow that page's instructions. This page can be printed for reporting purposes.

Survey Stream and date: **Bayou Segnette**

Sample Collection date: 05/21/03 **Analysis Start date:** 05/23/03

Total BOD data

Item No.	Sample No.	05/23/03				05/24/03	05/26/03	05/28/03	05/30/03	06/02/03	06/06/03	06/12/03	06/20/03	07/02/03	07/11/03	07/22/03
		Daily analysis start dates:														
1	BB2-Between connections to Bayou Segnette					1.1	2.3	3.6	4.4	5.5	7.0	8.8	10.1	11.3	12.5	13.0
2	BV1-Bayou Villars at south end of Bayou Segnette					0.2	1.0	1.3	1.6	1.9	2.8	3.6	4.5	4.9	5.5	5.7
3	MC1-Millaudon Canal					2.3	3.9	6.6	7.6	9.7	11.8	14.0	15.5	16.8	17.9	18.4
4	OCC1-Outer Cataouatche Canal,					1.4	2.9	4.8	5.6	7.2	8.9	10.6	11.9	13.5	14.4	14.8
5	PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette					0.6	1.9	2.6	3.1	3.7	5.2	6.6	8.2	9.6	11.0	11.9
6	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station					2.1	4.6	6.9	NR	NR	NR	NR	NR	NR	NR	NR
7	PS5-Bayou Segnette, Pumping station #5					3.9	8.6	10.4	11.9	15.8	20.2	22.3	23.9	25.0	26.3	27.6
8	TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette					1.3	3.4	4.5	5.2	6.3	8.2	9.8	12.1	13.2	14.2	14.9
9	UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands					0.9	2.4	3.2	3.9	4.9	6.4	7.8	9.6	10.7	11.8	12.6
10	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station					2.2	4.8	7.2	NR	NR	NR	NR	NR	NR	NR	NR
11																
12																
13																
14																
15																

(NO_2+NO_3) as Nitrogen data (mg/l)

Item No.	Sample No.	05/23/03				05/24/03	05/26/03	05/28/03	05/30/03	06/02/03	06/06/03	06/12/03	06/20/03	07/02/03	07/11/03	07/22/03
		Daily analysis start dates:														
1	BB2-Between connections to Bayou Segnette	0.06				0.05	0.05	0.06	0.05	0.11	0.21	0.37	0.46	0.49	0.49	0.54
2	BV1-Bayou Villars at south end of Bayou Segnette	0.11				0.10	0.10	0.11	0.10	0.11	0.15	0.25	0.30	0.32	0.30	0.35
3	MC1-Millaudon Canal	0.06				0.05	0.05	0.05	0.05	0.19	0.41	0.69	0.80	0.81	0.79	0.84
4	OCC1-Outer Cataouatche Canal,	0.07				0.07	0.08	0.07	0.06	0.16	0.30	0.47	0.57	0.60	0.58	0.68
5	PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette	0.06				0.05	0.05	0.05	0.05	0.05	0.07	0.19	0.28	0.30	0.29	0.39
6	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station	0.44				0.42	0.43	1.09	NR	NR	NR	NR	NR	NR	NR	NR
7	PS5-Bayou Segnette, Pumping station #5	0.15				0.17	0.40	0.48	0.44	0.96	1.80	1.92	2.24	2.16	2.16	2.12
8	TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette	0.06				0.05	0.06	0.05	0.05	0.08	0.21	0.42	0.52	0.56	0.55	0.60
9	UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands	0.05				0.05	0.05	0.05	0.05	0.08	0.19	0.31	0.39	0.40	0.40	0.46
10	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station	0.44				0.44	0.52	1.15	NR	NR	NR	NR	NR	NR	NR	NR
11																
12																
13																
14																
15																

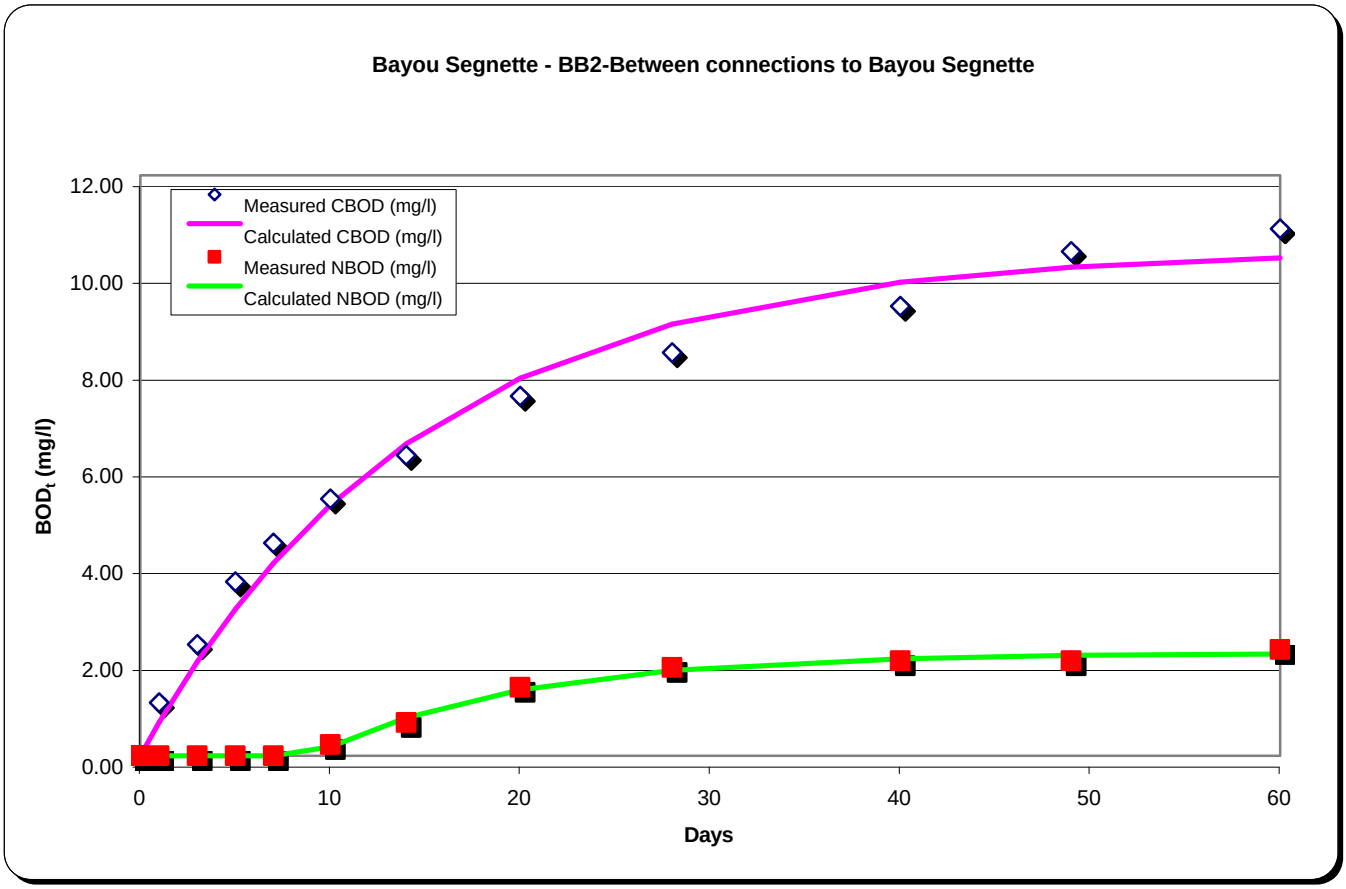
1. ALL "ND"s in the nitrogen data have been replaced with 0.05.

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\GSBOD_ BAY_SEG 5-21-03.XLS

BOD Analysis of the for: **Bayou Segnette - BB2-Between connections to Bayou Segnette**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.1	0.05	0.00	1.10	0.00	0.69
3	2.3	0.05	0.00	2.30	0.00	1.94
5	3.6	0.06	0.00	3.60	0.00	3.03
7	4.4	0.05	0.00	4.40	0.00	3.98
10	5.5	0.11	0.23	5.31	0.19	5.19
14	7.0	0.21	0.69	6.21	0.79	6.45
20	8.8	0.37	1.42	7.44	1.36	7.80
28	10.1	0.46	1.83	8.34	1.76	8.93
40	11.3	0.49	1.97	9.29	2.01	9.79
49	12.5	0.49	1.97	10.43	2.07	10.10
60	13.0	0.54	2.19	10.89	2.11	10.30

2.13	10.47	**UBOD (mg/l)**
0.09	0.07	**k rate (1/day)**
9.02	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

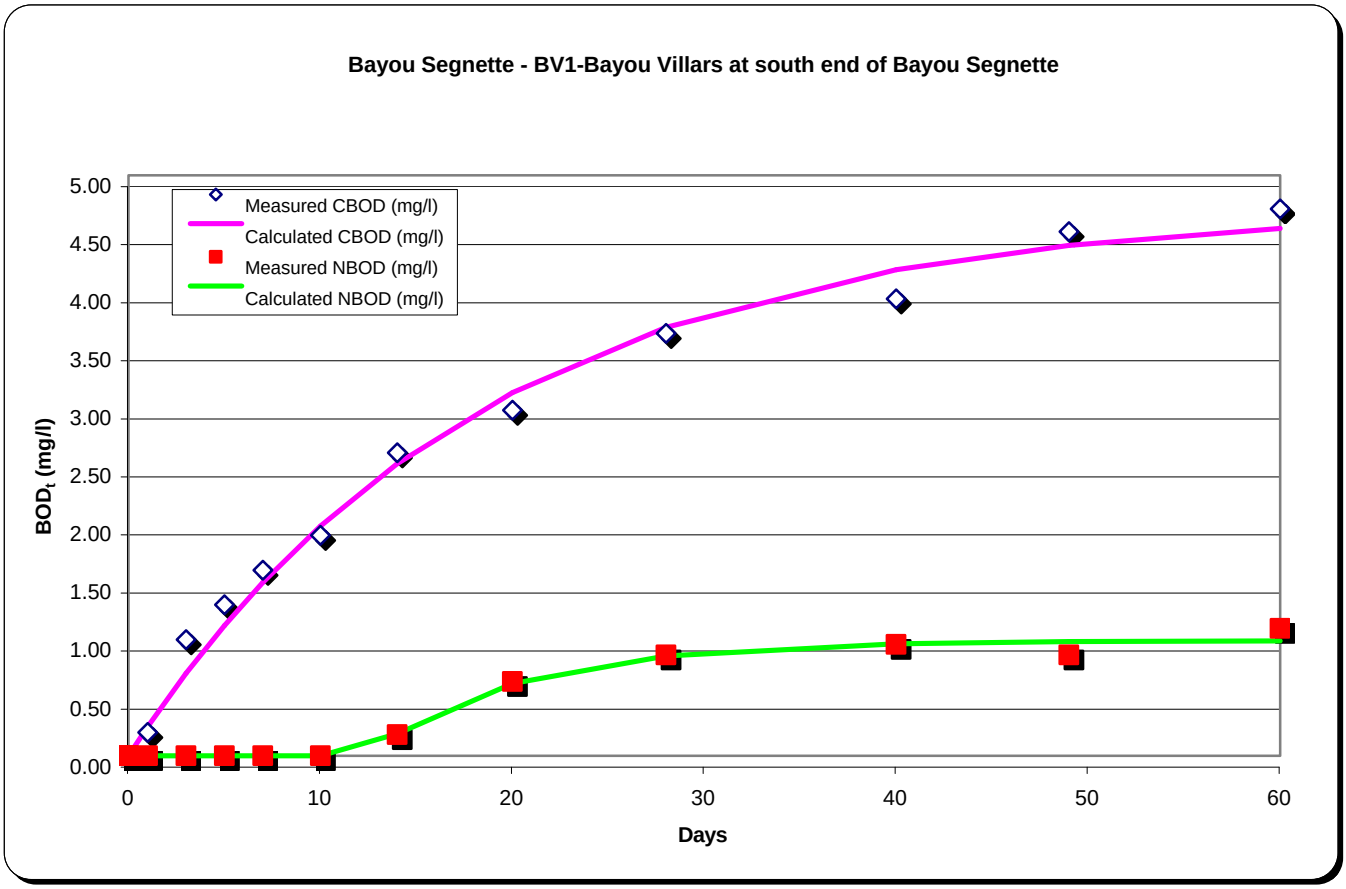
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BV1-Bayou Villars at south end of Bayou Segnette**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.11				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.2	0.10	0.00	0.20	0.00	0.25
3	1.0	0.10	0.00	1.00	0.00	0.71
5	1.3	0.11	0.00	1.30	0.00	1.12
7	1.6	0.10	0.00	1.60	0.00	1.49
10	1.9	0.11	0.00	1.90	0.00	1.98
14	2.8	0.15	0.18	2.61	0.19	2.52
20	3.6	0.25	0.64	2.98	0.62	3.13
28	4.5	0.30	0.87	3.64	0.86	3.69
40	4.9	0.32	0.96	3.94	0.96	4.19
49	5.5	0.30	0.87	4.52	0.98	4.39
60	5.7	0.35	1.10	4.71	0.99	4.54

0.99	4.73	**UBOD (mg/l)**
0.13	0.05	**k rate (1/day)**
12.35	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

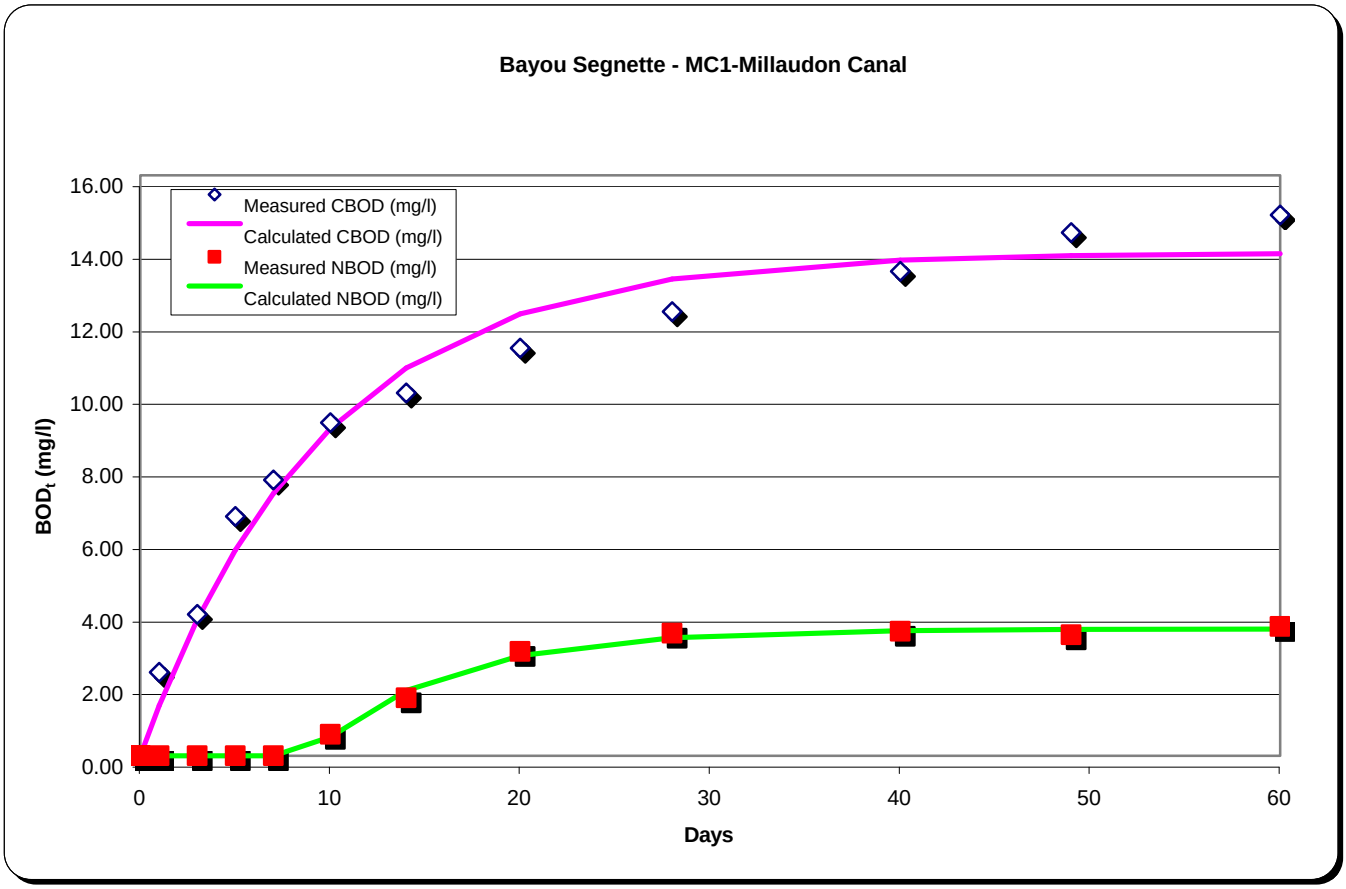
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - MC1-Millaudon Canal**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	2.3	0.05	0.00	2.30	0.00	1.39
3	3.9	0.05	0.00	3.90	0.00	3.75
5	6.6	0.05	0.00	6.60	0.00	5.67
7	7.6	0.05	0.00	7.60	0.00	7.23
10	9.7	0.19	0.59	9.18	0.52	9.03
14	11.8	0.41	1.60	10.00	1.80	10.69
20	14.0	0.69	2.88	11.24	2.76	12.18
28	15.5	0.80	3.38	12.24	3.26	13.14
40	16.8	0.81	3.43	13.35	3.45	13.66
49	17.9	0.79	3.34	14.42	3.48	13.79
60	18.4	0.84	3.56	14.91	3.49	13.84

3.49	13.87	**UBOD (mg/l)**
0.14	0.11	**k rate (1/day)**
8.85	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

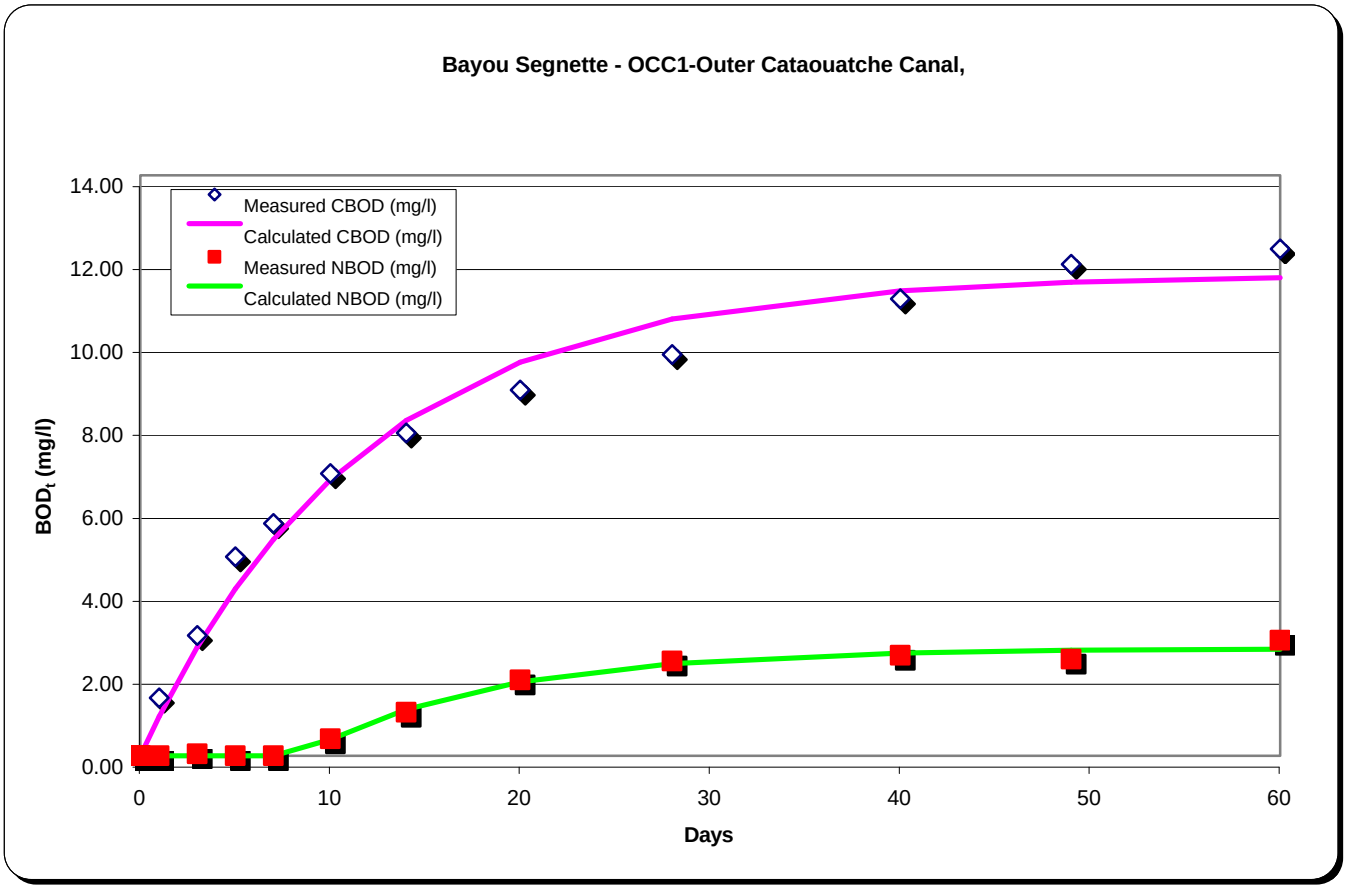
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - OCC1-Outer Cataouatche Canal,**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.07				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.4	0.07	0.00	1.40	0.00	0.95
3	2.9	0.08	0.05	2.90	0.00	2.62
5	4.8	0.07	0.00	4.80	0.00	4.03
7	5.6	0.06	0.00	5.60	0.00	5.22
10	7.2	0.16	0.41	6.81	0.39	6.66
14	8.9	0.30	1.05	7.78	1.12	8.09
20	10.6	0.47	1.83	8.82	1.78	9.50
28	11.9	0.57	2.29	9.67	2.23	10.54
40	13.5	0.60	2.42	11.02	2.48	11.22
49	14.4	0.58	2.33	11.86	2.54	11.42
60	14.8	0.68	2.79	12.23	2.57	11.53

2.59	11.60	**UBOD (mg/l)**
0.10	0.09	**k rate (1/day)**
8.36	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

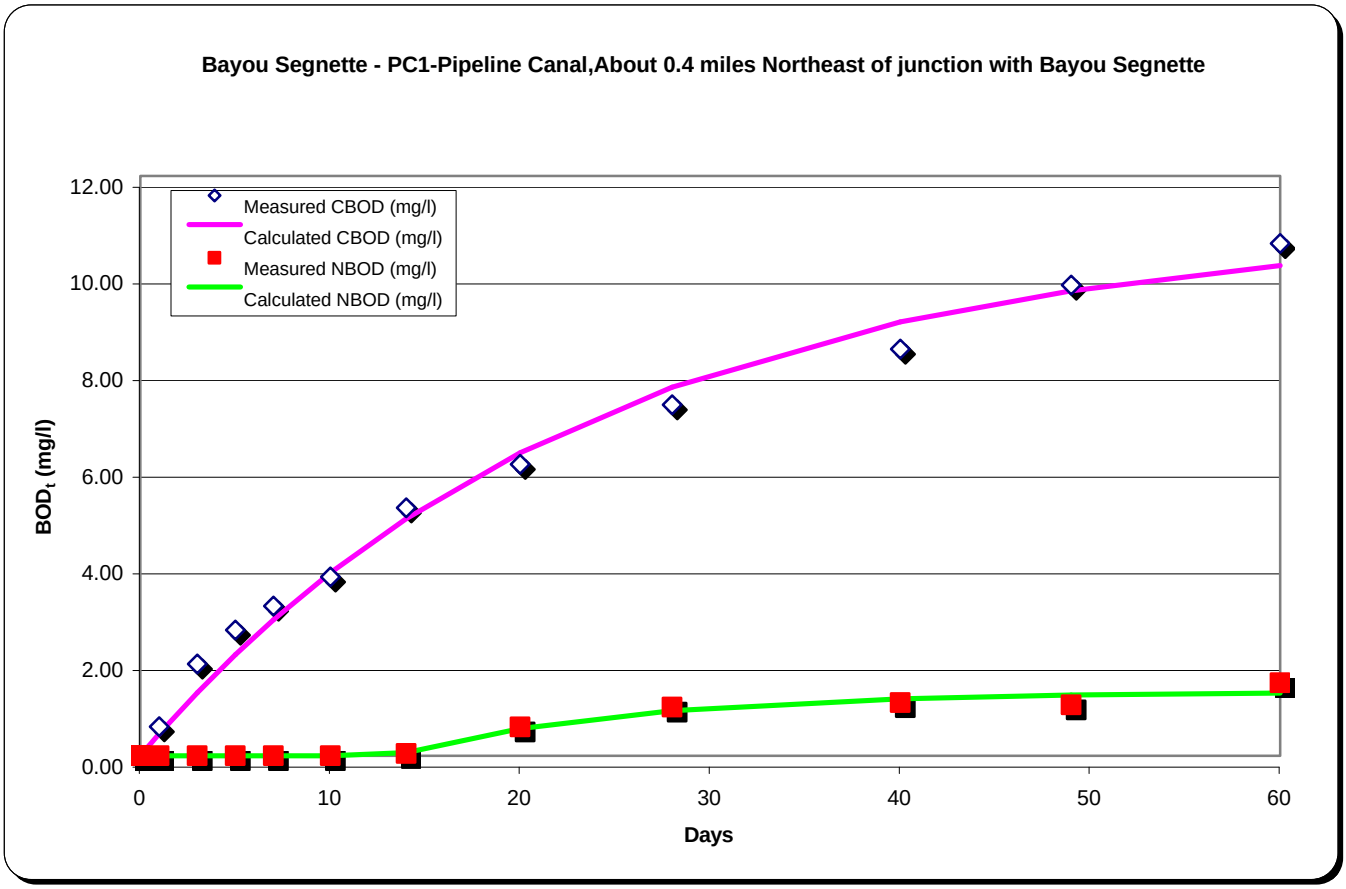
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.6	0.05	0.00	0.60	0.00	0.45
3	1.9	0.05	0.00	1.90	0.00	1.31
5	2.6	0.05	0.00	2.60	0.00	2.09
7	3.1	0.05	0.00	3.10	0.00	2.81
10	3.7	0.05	0.00	3.70	0.00	3.79
14	5.2	0.07	0.05	5.13	0.07	4.91
20	6.6	0.19	0.59	6.04	0.56	6.27
28	8.2	0.28	1.01	7.26	0.94	7.63
40	9.6	0.30	1.10	8.42	1.18	8.98
49	11.0	0.29	1.05	9.74	1.26	9.63
60	11.9	0.39	1.51	10.60	1.30	10.15

1.32	11.03	**UBOD (mg/l)**
0.08	0.04	**k rate (1/day)**
13.37	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

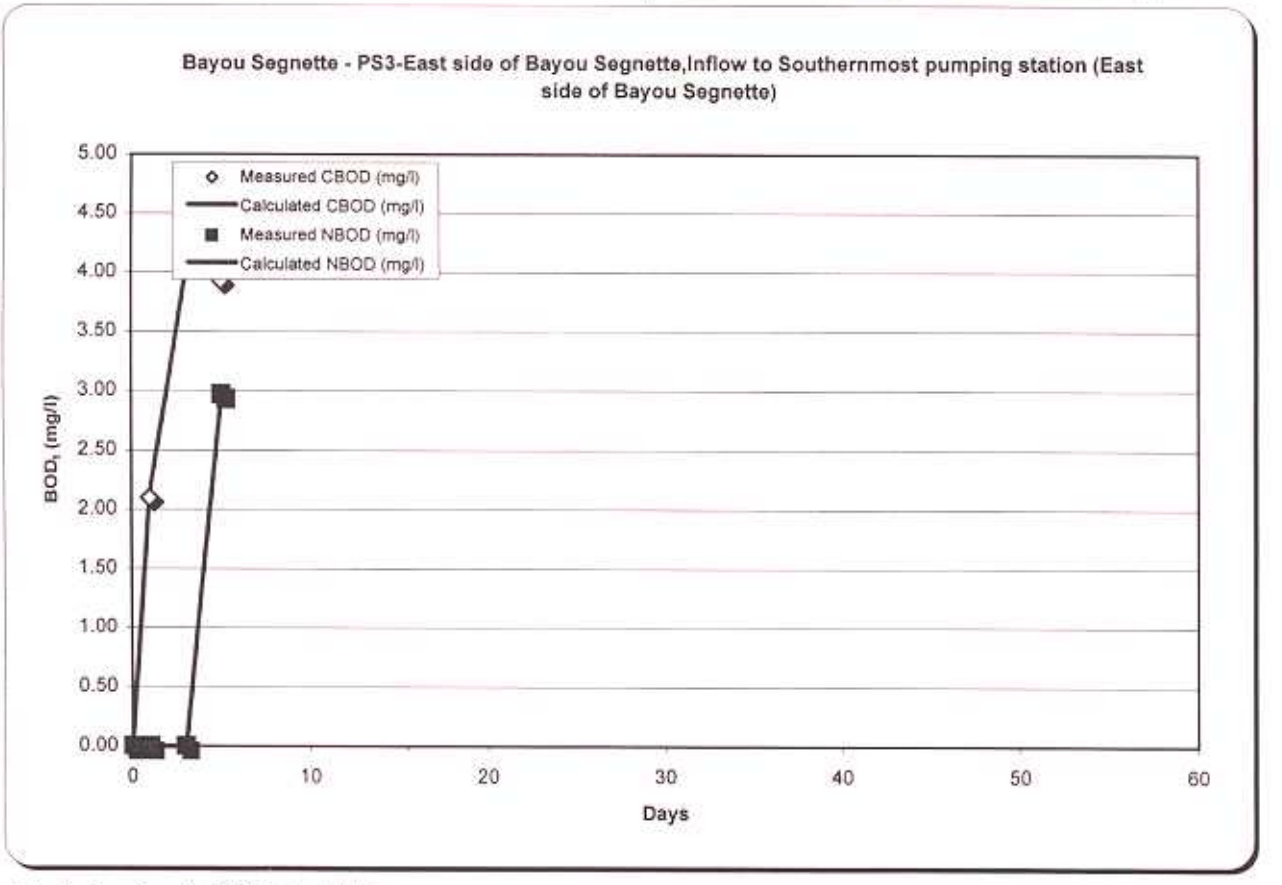
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: Bayou Segnette - PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station (East side of Bayou Segnette)

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.44				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	2.1	0.42	0.00	2.10	0.00	2.15
3	4.6	0.43	0.00	4.60	0.00	3.98
5	6.9	1.09	2.97	3.93	2.97	4.54

7.72	4.78	UBOD (mg/l)
0.28	0.60	k rate (1/day)
3.26	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

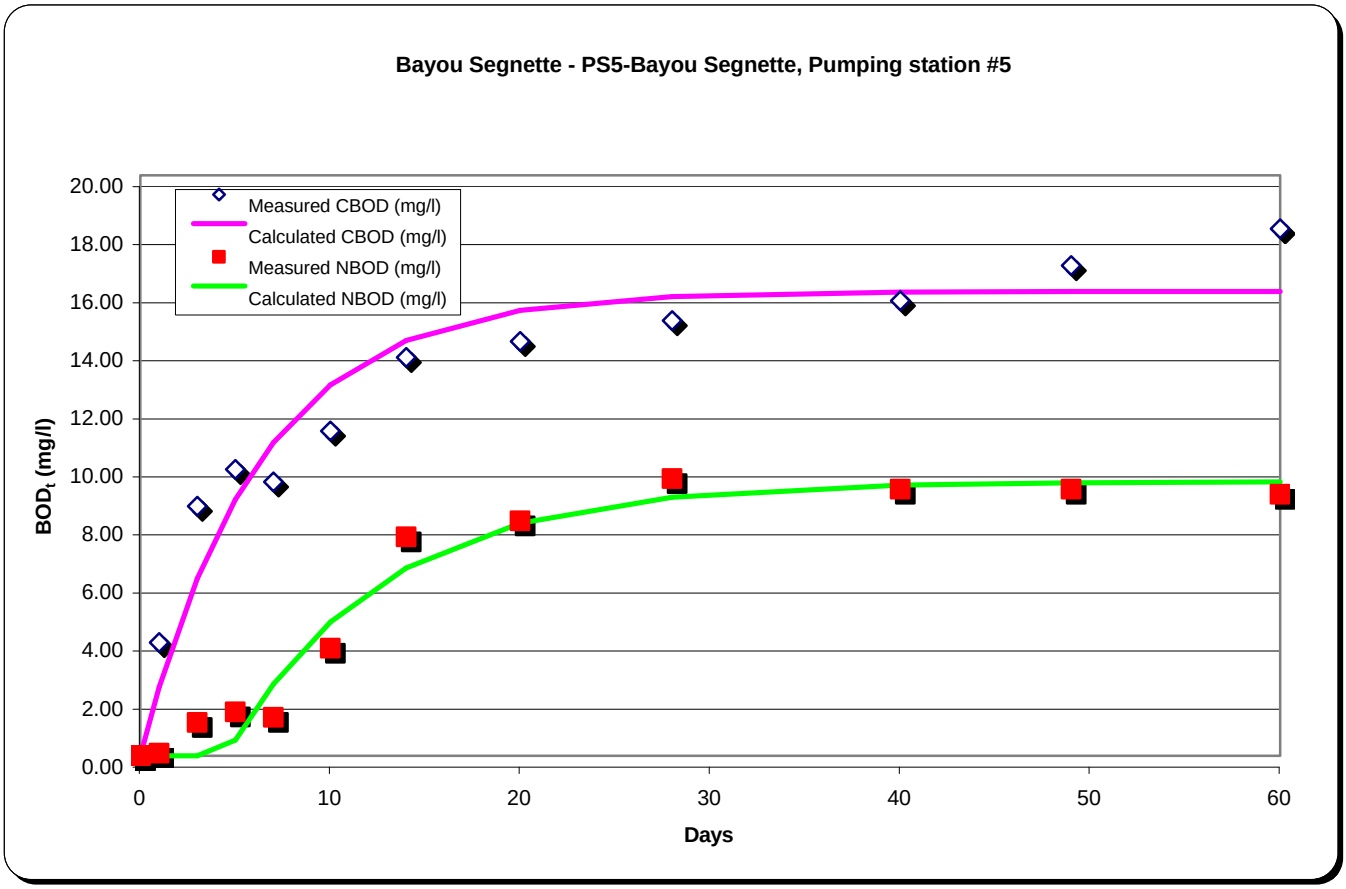
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - PS5-Bayou Segnette, Pumping station #5**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.15				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	3.9	0.17	0.09	3.90	0.00	2.37
3	8.6	0.40	1.14	8.60	0.00	6.11
5	10.4	0.48	1.51	9.86	0.54	8.83
7	11.9	0.44	1.33	9.44	2.46	10.80
10	15.8	0.96	3.70	11.20	4.60	12.78
14	20.2	1.80	7.54	13.73	6.47	14.31
20	22.3	1.92	8.09	14.28	8.02	15.35
28	23.9	2.24	9.55	14.99	8.91	15.82
40	25.0	2.16	9.19	15.67	9.33	15.97
49	26.3	2.16	9.19	16.89	9.41	15.99
60	27.6	2.12	9.00	18.16	9.44	16.00

9.45	16.00	**UBOD (mg/l)**
0.12	0.16	**k rate (1/day)**
4.52	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

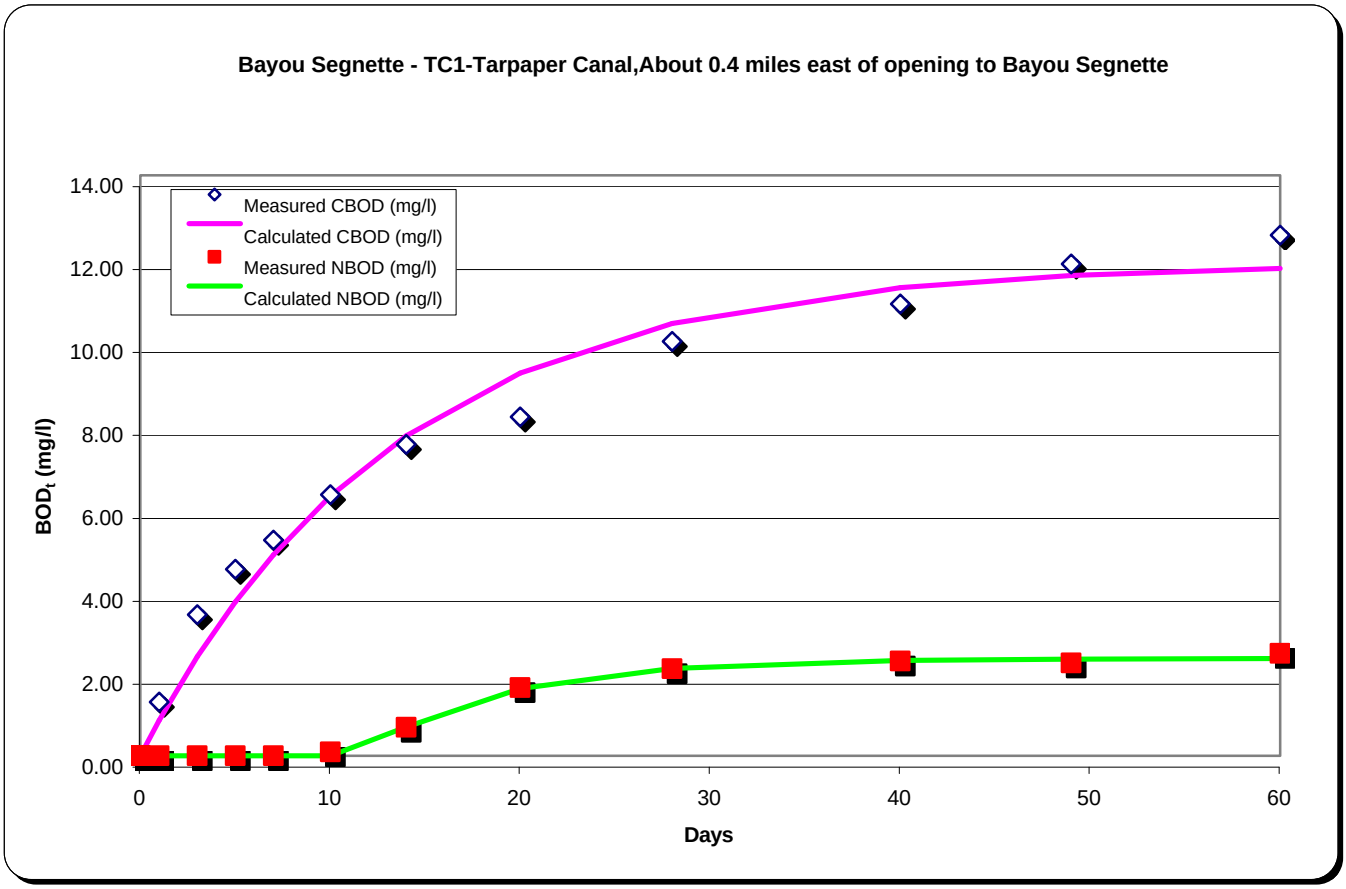
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.3	0.05	0.00	1.30	0.00	0.86
3	3.4	0.06	0.00	3.40	0.00	2.39
5	4.5	0.05	0.00	4.50	0.00	3.71
7	5.2	0.05	0.00	5.20	0.00	4.85
10	6.3	0.08	0.09	6.30	0.00	6.26
14	8.2	0.21	0.69	7.51	0.69	7.72
20	9.8	0.42	1.65	8.18	1.62	9.23
28	12.1	0.52	2.10	9.99	2.11	10.42
40	13.2	0.56	2.29	10.90	2.30	11.29
49	14.2	0.55	2.24	11.87	2.33	11.58
60	14.9	0.60	2.47	12.56	2.34	11.75

2.35	11.88	**UBOD (mg/l)**
0.14	0.07	**k rate (1/day)**
11.47	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

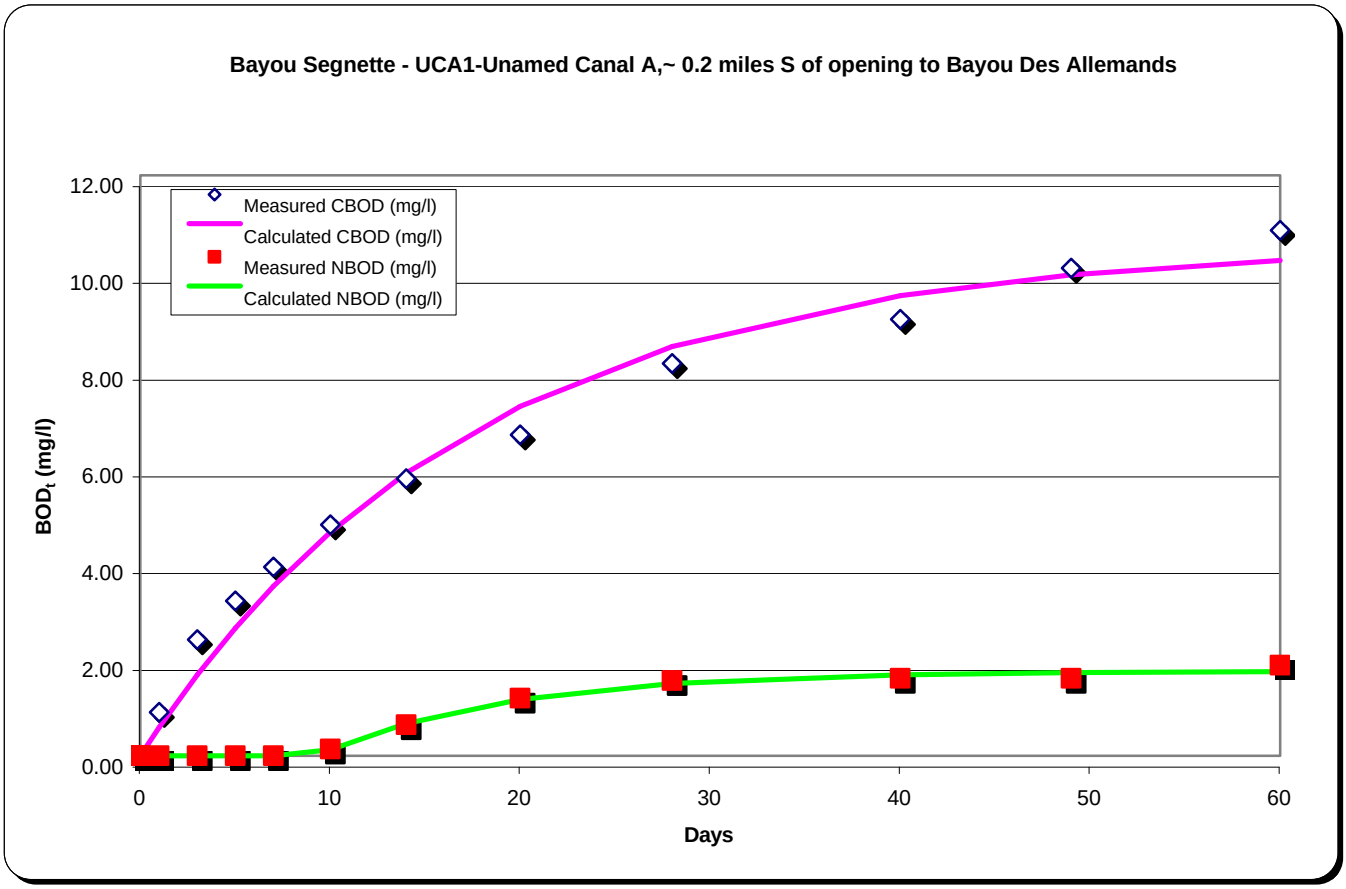
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.05				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.9	0.05	0.00	0.90	0.00	0.59
3	2.4	0.05	0.00	2.40	0.00	1.68
5	3.2	0.05	0.00	3.20	0.00	2.64
7	3.9	0.05	0.00	3.90	0.00	3.50
10	4.9	0.08	0.14	4.78	0.12	4.62
14	6.4	0.19	0.64	5.73	0.67	5.85
20	7.8	0.31	1.19	6.63	1.17	7.23
28	9.6	0.39	1.55	8.11	1.49	8.46
40	10.7	0.40	1.60	9.03	1.67	9.51
49	11.8	0.40	1.60	10.08	1.72	9.94
60	12.6	0.46	1.87	10.86	1.74	10.24

1.75	10.57	**UBOD (mg/l)**
0.10	0.06	**k rate (1/day)**
9.28	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

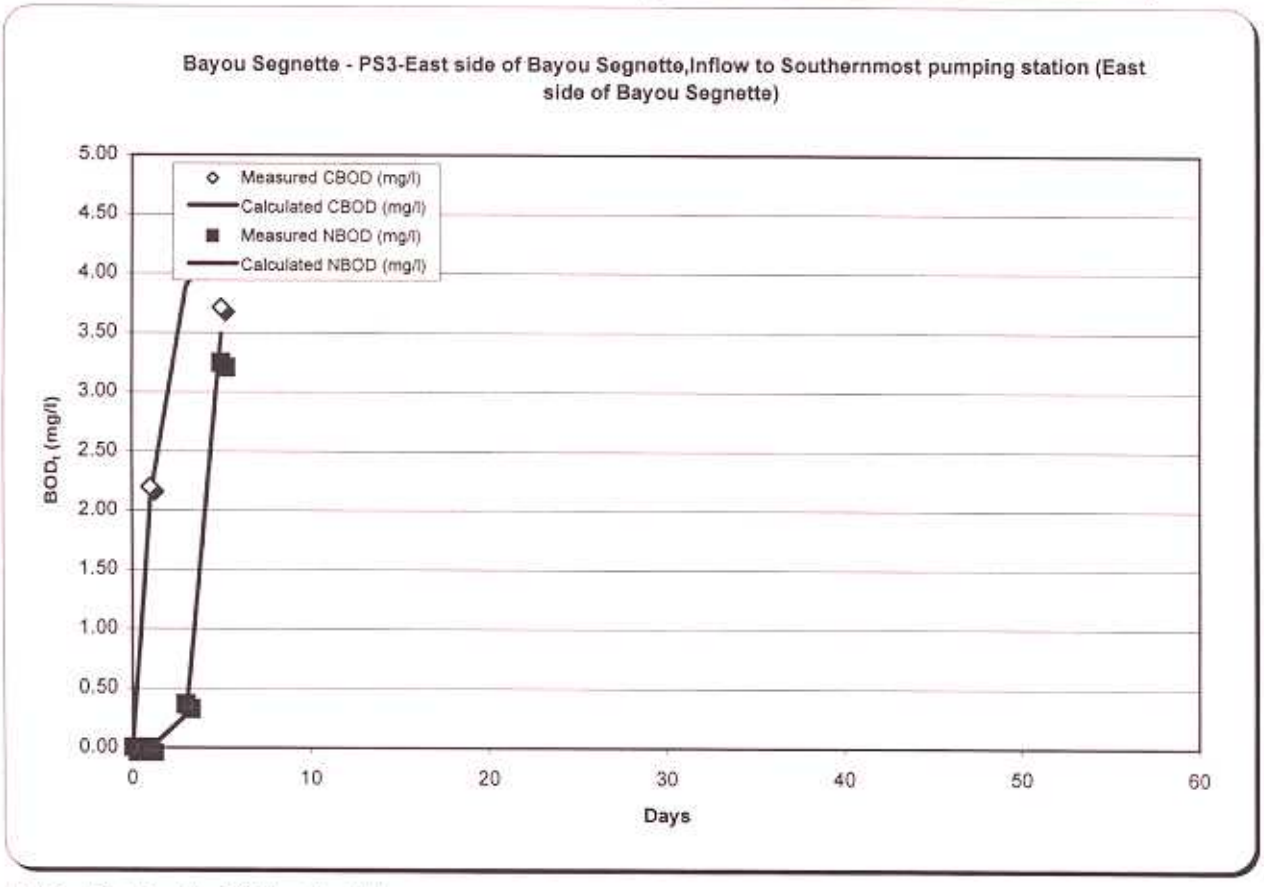
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station (East side of Bayou Segnette)**

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.44				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	2.2	0.44	0.00	2.20	0.00	2.09
3	4.8	0.52	0.37	4.53	0.27	3.89
5	7.2	1.15	3.24	3.71	3.49	4.43

8.38	4.67	UBOD (mg/l)
0.25	0.60	k rate (1/day)
2.87	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

Instructions for the worksheet:

1. Enter the appropriate data into the green highlighted cells. The 60th or final day analysis data goes into the far right date column. The rest of the analysis data goes in the columns to the left of the 60th or final day values. The NOx data for the analysis start date goes in the NOx section underneath the analysis start date.
2. Click on the "Measured BOD" tab at the bottom of the page and follow that page's instructions. This page can be printed for reporting purposes.

Survey Stream and date: **Bayou Segnette**

Sample Collection date: 05/22/03 **Analysis Start date:** 05/23/03

Total BOD data

Item No.	Sample No.	05/23/03				05/24/03	05/26/03	05/28/03	05/30/03	06/02/03	06/06/03	06/12/03	06/20/03	07/02/03	07/02/03	07/22/03
		Daily analysis start dates:														
1	BB2-Between connections to Bayou Segnette					0.9	3.4	4.4	5.1	6.4	8.0	9.4	10.6	12.1	13.2	13.8
2	BS1-Bayou Segnette at Lapalco Blvd.					1.0	2.9	4.1	NR	NR	NR	NR	NR	NR	NR	NR
3	BS2- Bayou Segnette about 1/3 of the way from BS-1 to BS-4					1.4	3.4	4.3	5.1	6.8	8.7	10.3	11.7	13.5	14.6	15.2
4	BS3-Bayou Segnette about 2/3 of the way from BS-1 to BS-4					1.2	3.1	4.1	4.9	6.2	7.9	9.8	11.3	12.7	13.8	14.5
5	BS4-Bayou Segnette in middle of camps					0.9	2.2	3.1	3.7	4.6	6.1	7.6	8.8	10.2	11.3	11.9
6	BS5-Bayou Segnette about 1/3 of the way from BS4 to BV1					0.6	1.7	2.2	2.7	3.5	4.8	6.1	7.1	8.2	9.2	9.7
7	BS6-Bayou Segnette about 2/3 of the way from BS4 to BV1					0.7	1.9	2.5	3.0	3.9	5.4	6.9	8.2	9.6	10.7	11.5
8	BV1-Bayou Villars at south end of Bayou Segnette					0.6	1.6	2.2	2.7	3.4	4.2	4.9	5.9	7.1	7.9	8.4
9	MC1-Millaudon Canal					1.3	3.2	4.2	4.9	7.0	8.4	10.2	11.3	12.6	13.7	14.3
10	OCC1-Outer Cataouatche Canal					1.2	3.4	4.7	6.1	8.6	10.7	12.2	13.5	14.9	15.7	16.3
11	PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette					0.8	1.9	2.5	2.9	3.6	4.7	6.1	7.6	9.7	11.0	11.8
12	PS1-East side of Bayou Segnette,Inflow to Northernmost pumping station					2.7	7.8	12.0	21.0	46.6	51.1	53.2	55.4	57.3	58.7	59.2
13	PS2-West side of Bayou Segnette,Inflow to Main Canal pumping station					0.8	1.9	2.7	3.1	3.7	4.9	6.1	7.2	8.7	9.6	10.1
14	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station					1.3	4.0	5.9	9.4	12.0	13.5	15.2	16.8	18.6	19.8	20.4
15	TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette					0.8	2.1	2.8	3.2	3.8	5.2	6.4	7.7	9.2	10.2	11.0
16	UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands					1.5	2.7	4.0	4.6	5.7	7.7	9.5	11.0	12.5	13.7	14.4

(NO_2+NO_3) as Nitrogen data (mg/l)

Item No.	Sample No.	05/23/03				05/23/03	05/24/03	05/26/03	05/28/03	05/30/03	06/02/03	06/06/03	06/12/03	06/20/03	07/02/03	07/02/03
		Daily analysis start dates:														
1	BB2-Between connections to Bayou Segnette	0.06				0.05	0.05	0.06	0.05	0.11	0.21	0.34	0.41	0.44	0.42	0.47
2	BS1-Bayou Segnette at Lapalco Blvd.	0.26				0.25	0.25	0.60	NR	NR	NR	NR	NR	NR	NR	NR
3	BS2- Bayou Segnette about 1/3 of the way from BS-1 to BS-4	0.11				0.08	0.08	0.08	0.08	0.22	0.37	0.57	0.67	0.70	0.67	0.73
4	BS3-Bayou Segnette about 2/3 of the way from BS-1 to BS-4	0.08				0.06	0.06	0.06	0.05	0.13	0.27	0.41	0.53	0.55	0.53	0.58
5	BS4-Bayou Segnette in middle of camps	0.07				0.05	0.05	0.05	0.05	0.07	0.17	0.27	0.33	0.36	0.34	0.39
6	BS5-Bayou Segnette about 1/3 of the way from BS4 to BV1	0.08				0.06	0.06	0.06	0.05	0.09	0.17	0.25	0.31	0.32	0.30	0.35
7	BS6-Bayou Segnette about 2/3 of the way from BS4 to BV1	0.09				0.09	0.06	0.06	0.05	0.08	0.16	0.29	0.35	0.38	0.35	0.40
8	BV1-Bayou Villars at south end of Bayou Segnette	0.08				0.06	0.06	0.11	0.09	0.16	0.20	0.24	0.29	0.32	0.28	0.34
9	MC1-Millaudon Canal	0.09				0.06	0.06	0.06	0.05	0.19	0.30	0.56	0.67	0.68	0.66	0.71
10	OCC1-Outer Cataouatche Canal	0.22				0.21	0.21	0.37	0.34	0.83	1.00	1.08	1.25	1.25	1.25	1.26
11	PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette	0.06				0.06	0.05	0.05	0.05	0.05	0.05	0.12	0.23	0.26	0.25	0.31
12	PS1-East side of Bayou Segnette,Inflow to Northernmost pumping station	0.16				0.20	0.20	0.28	0.87	2.92	8.33	8.39	8.47	8.87	8.84	8.68
13	PS2-West side of Bayou Segnette,Inflow to Main Canal pumping station	0.15				0.12	0.13	0.11	0.11	0.12	0.18	0.31	0.39	0.42	0.40	0.46
14	PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station	0.29				0.31	0.31	1.46	1.36	1.69	1.73	1.79	1.94	2.00	1.92	1.97
15	TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette	0.07				0.05	0.05	0.05	0.05	0.05	0.10	0.23	0.30	0.31	0.30	0.36
16	UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands	0.07				0.05	0.05	0.05	0.05	0.05	0.16	0.39	0.49	0.49	0.49	0.55

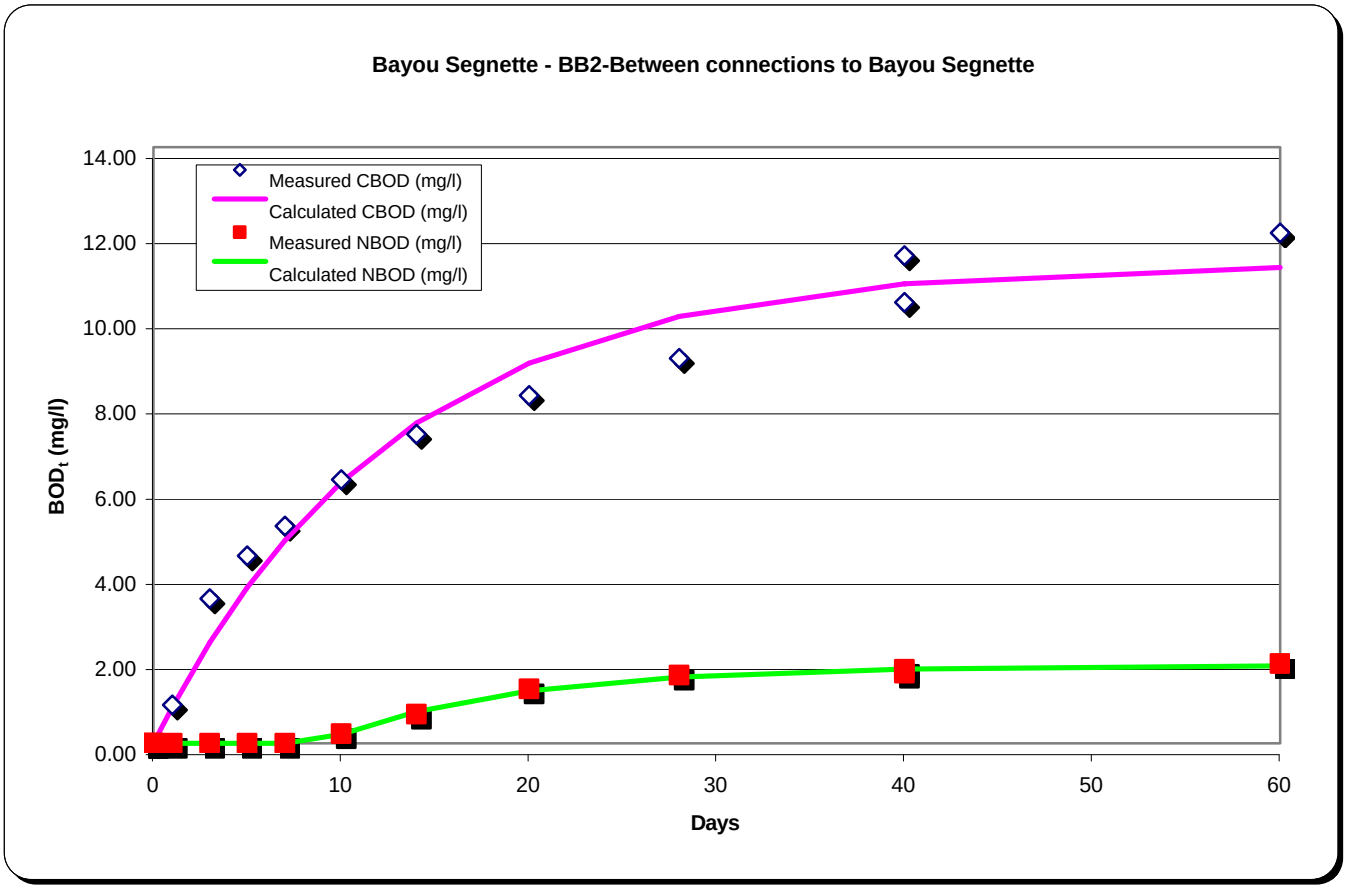
All "ND"s in the nitrogen data with 0.05.

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\GSBOD_ BAY_SEG 5-22-03.XLS

BOD Analysis of the for: **Bayou Segnette - BB2-Between connections to Bayou Segnette**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.9	0.05	0.00	0.90	0.00	0.85
3	3.4	0.05	0.00	3.40	0.00	2.37
5	4.4	0.06	0.00	4.40	0.00	3.66
7	5.1	0.05	0.00	5.10	0.00	4.77
10	6.4	0.11	0.23	6.19	0.21	6.13
14	8.0	0.21	0.69	7.26	0.74	7.52
20	9.4	0.34	1.28	8.17	1.23	8.93
28	10.6	0.41	1.60	9.04	1.56	10.02
40	12.1	0.44	1.74	10.35	1.75	10.79
40	13.2	0.42	1.65	11.45	1.75	10.79
60	13.8	0.47	1.87	11.98	1.82	11.17

1.83	11.28	**UBOD (mg/l)**
0.10	0.08	**k rate (1/day)**
8.80	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

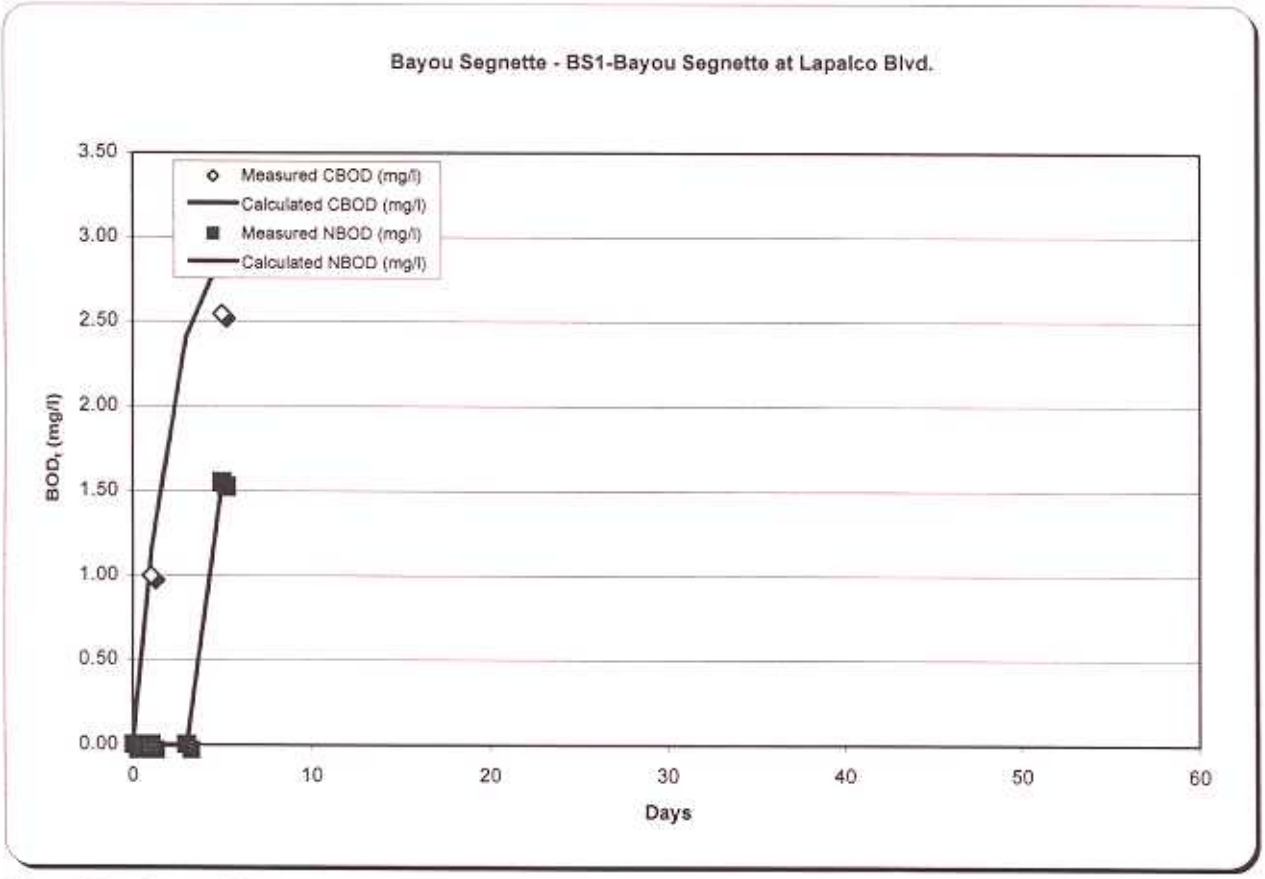
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS1-Bayou Segnette at Lapalco Blvd.**

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.26				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.0	0.25	0.00	1.00	0.00	1.14
3	2.9	0.25	0.00	2.90	0.00	2.41
5	4.1	0.60	1.55	2.55	1.55	2.90

4.04	3.22	UBOD (mg/l)
0.28	0.47	k rate (1/day)
3.26	0.07	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

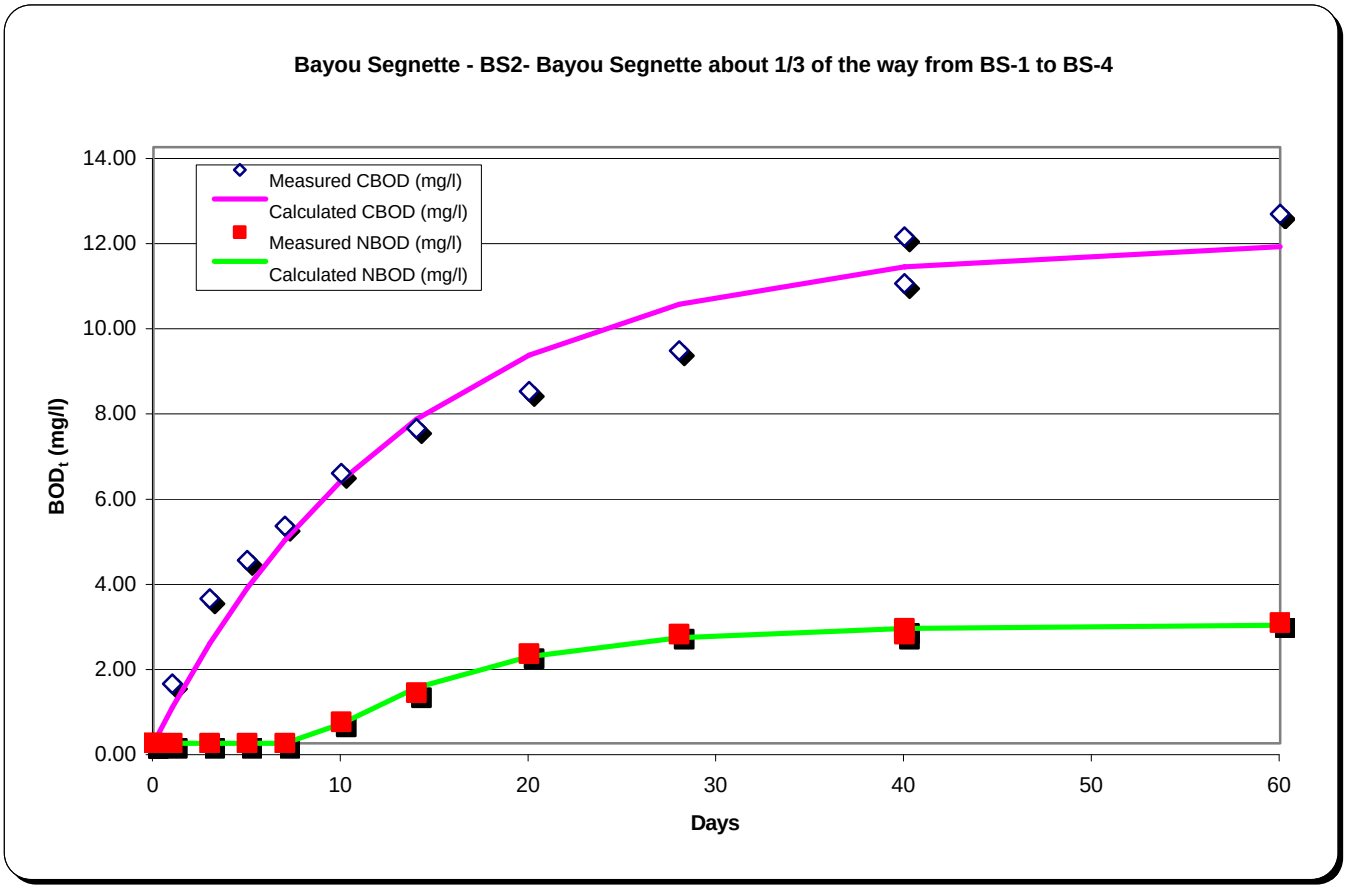
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS2- Bayou Segnette about 1/3 of the way from BS-1 to BS-4**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.11				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.4	0.08	0.00	1.40	0.00	0.84
3	3.4	0.08	0.00	3.40	0.00	2.35
5	4.3	0.08	0.00	4.30	0.00	3.65
7	5.1	0.08	0.00	5.10	0.00	4.77
10	6.8	0.22	0.50	6.34	0.46	6.17
14	8.7	0.37	1.19	7.39	1.31	7.61
20	10.3	0.57	2.10	8.26	2.04	9.11
28	11.7	0.67	2.56	9.22	2.48	10.31
40	13.5	0.70	2.70	10.80	2.70	11.19
40	14.6	0.67	2.56	11.90	2.70	11.19
60	15.2	0.73	2.83	12.43	2.77	11.66

2.78	11.80	**UBOD (mg/l)**
0.11	0.07	**k rate (1/day)**
8.41	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

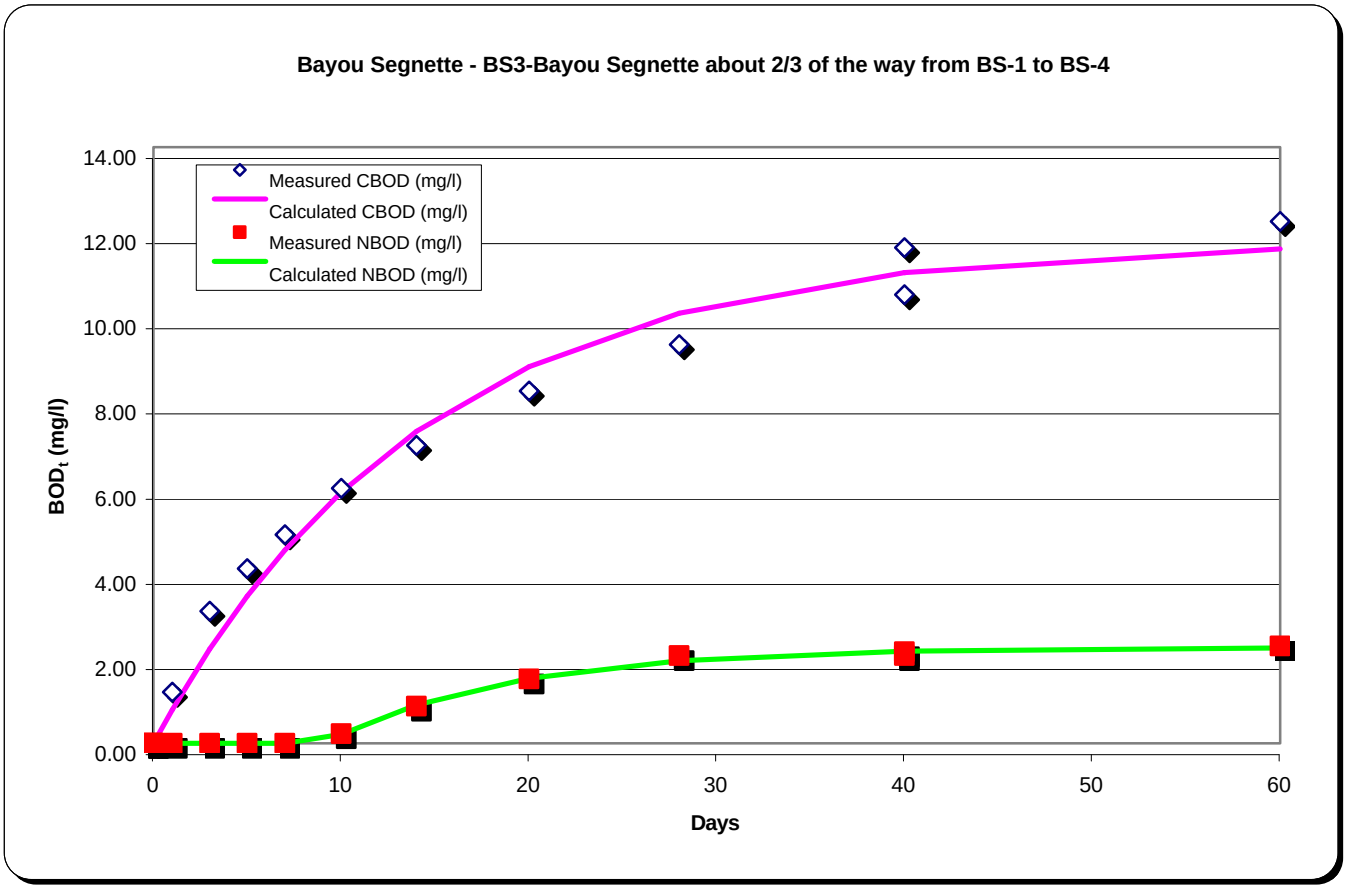
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS3-Bayou Segnette about 2/3 of the way from BS-1 to BS-4**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.08				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.2	0.06	0.00	1.20	0.00	0.79
3	3.1	0.06	0.00	3.10	0.00	2.22
5	4.1	0.06	0.00	4.10	0.00	3.46
7	4.9	0.05	0.00	4.90	0.00	4.54
10	6.2	0.13	0.23	5.99	0.21	5.90
14	7.9	0.27	0.87	7.00	0.90	7.33
20	9.8	0.41	1.51	8.27	1.53	8.85
28	11.3	0.53	2.06	9.36	1.94	10.10
40	12.7	0.55	2.15	10.54	2.16	11.06
40	13.8	0.53	2.06	11.64	2.16	11.06
60	14.5	0.58	2.29	12.26	2.24	11.61

2.25	11.79	**UBOD (mg/l)**
0.10	0.07	**k rate (1/day)**
9.04	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

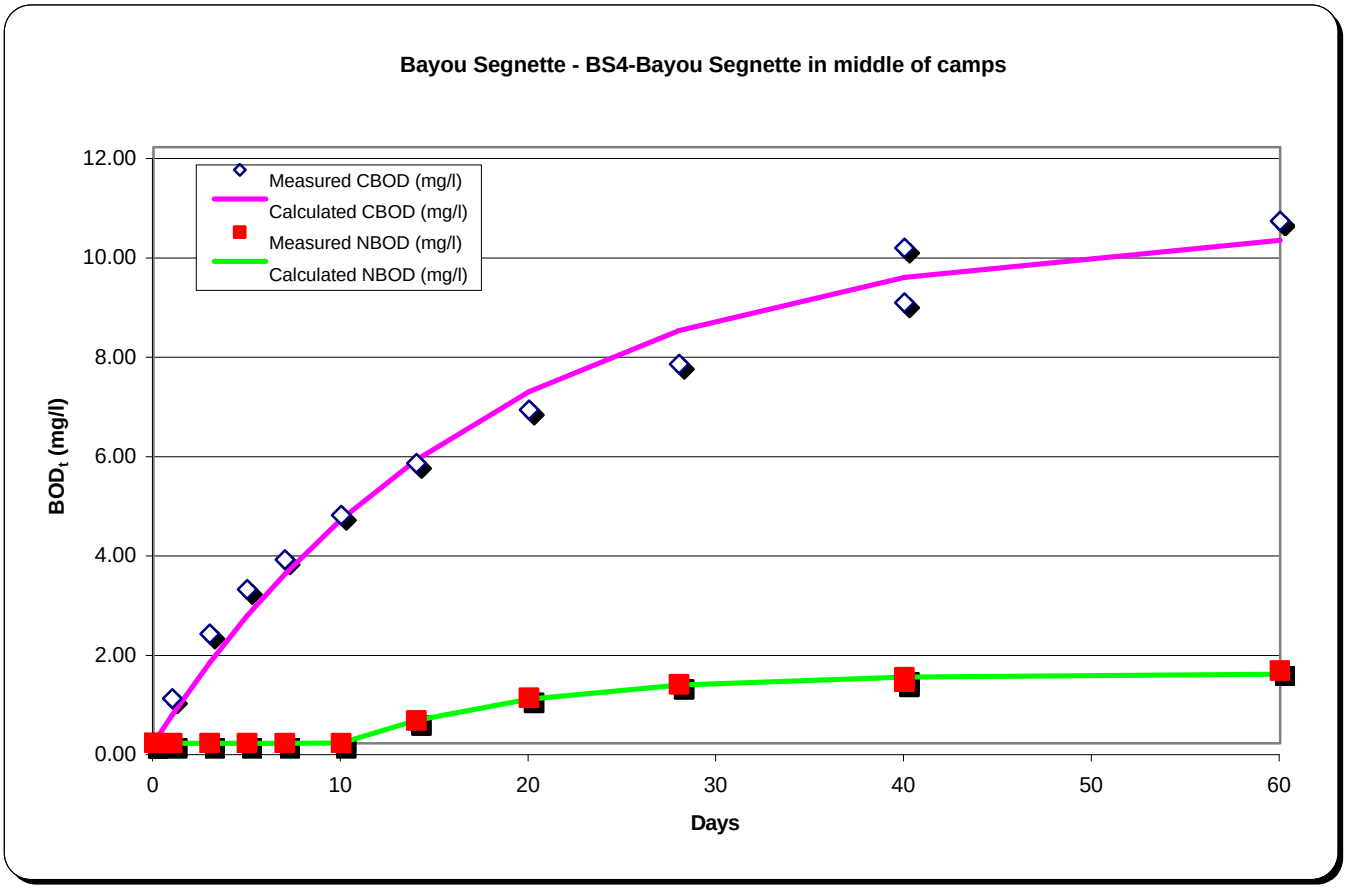
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS4-Bayou Segnette in middle of camps**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.07				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.9	0.05	0.00	0.90	0.00	0.57
3	2.2	0.05	0.00	2.20	0.00	1.63
5	3.1	0.05	0.00	3.10	0.00	2.57
7	3.7	0.05	0.00	3.70	0.00	3.41
10	4.6	0.07	0.00	4.60	0.00	4.51
14	6.1	0.17	0.46	5.63	0.47	5.71
20	7.6	0.27	0.91	6.71	0.89	7.08
28	8.8	0.33	1.19	7.63	1.17	8.31
40	10.2	0.36	1.33	8.87	1.33	9.38
40	11.3	0.34	1.23	9.97	1.33	9.38
60	11.9	0.39	1.46	10.51	1.39	10.12

1.40	10.49	**UBOD (mg/l)**
0.10	0.06	**k rate (1/day)**
9.97	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

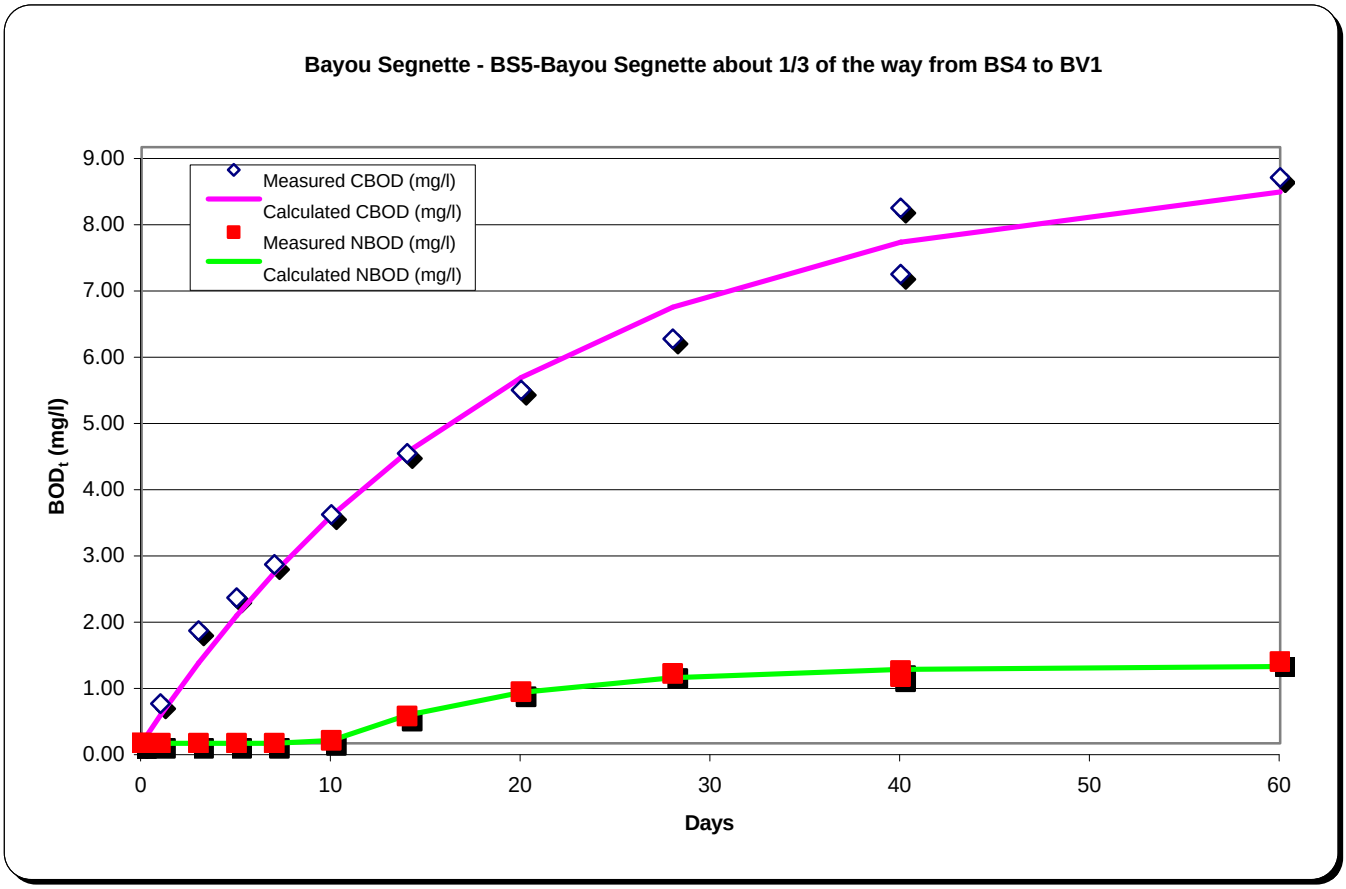
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS5-Bayou Segnette about 1/3 of the way from BS4 to BV1**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.08				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.6	0.06	0.00	0.60	0.00	0.42
3	1.7	0.06	0.00	1.70	0.00	1.21
5	2.2	0.06	0.00	2.20	0.00	1.93
7	2.7	0.05	0.00	2.70	0.00	2.58
10	3.5	0.09	0.05	3.46	0.04	3.43
14	4.8	0.17	0.41	4.37	0.43	4.39
20	6.1	0.25	0.78	5.33	0.77	5.52
28	7.1	0.31	1.05	6.11	0.99	6.59
40	8.2	0.32	1.10	7.08	1.12	7.57
40	9.2	0.30	1.01	8.08	1.12	7.57
60	9.7	0.35	1.23	8.54	1.16	8.32

1.17	8.77	**UBOD (mg/l)**
0.10	0.05	**k rate (1/day)**
9.63	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

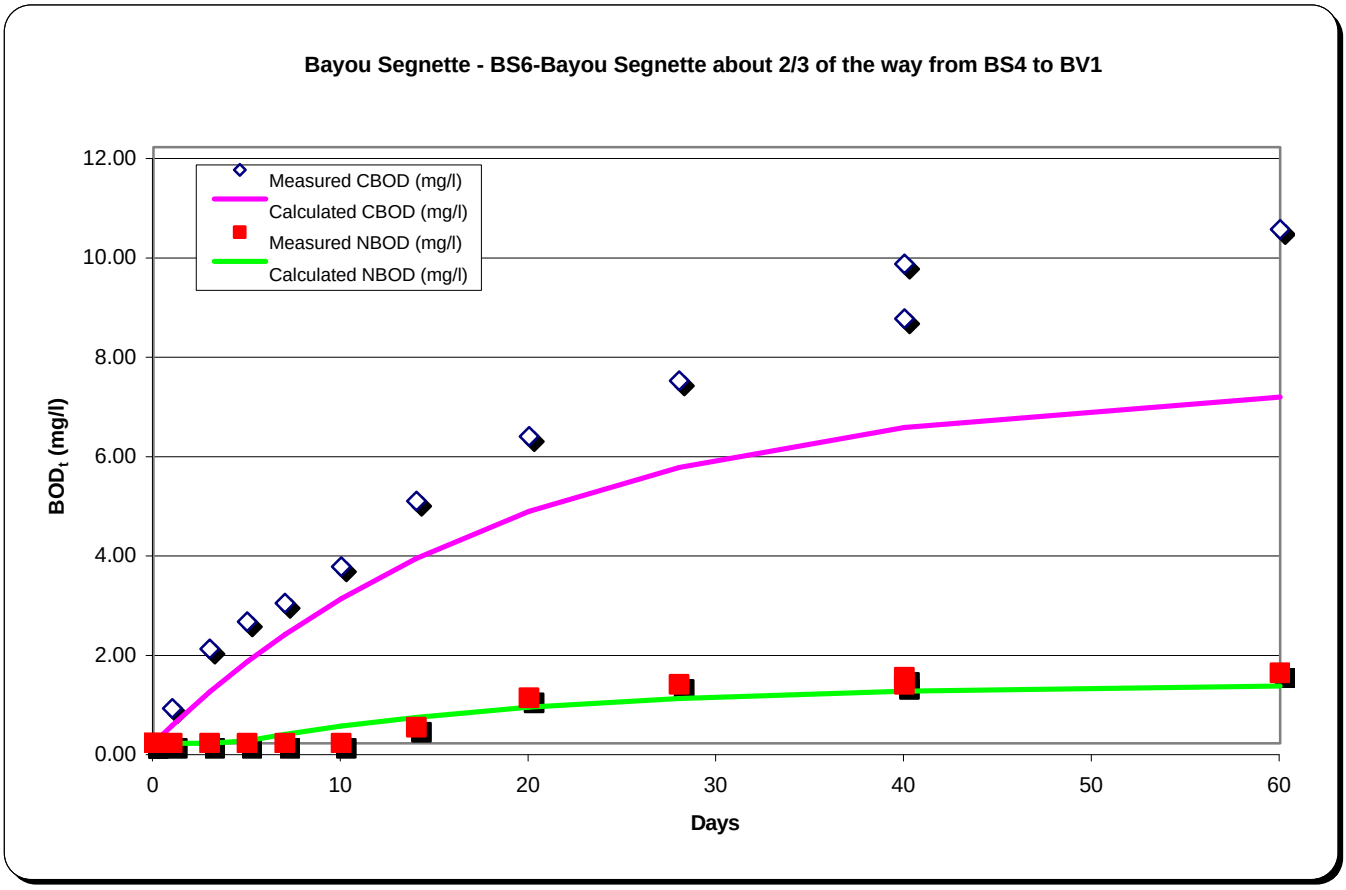
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - BS6-Bayou Segnette about 2/3 of the way from BS4 to BV1**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.09				
0	0.00	0.00	0.00		0.00	0.00
0	0.00	0.00	0.00		0.00	0.00
0	0.00	0.00	0.00		0.00	0.00
1	0.7	0.09	0.00	0.70	0.00	0.36
3	1.9	0.06	0.00	1.90	0.00	1.03
5	2.5	0.06	0.00	2.45	0.05	1.64
7	3.0	0.05	0.00	2.82	0.18	2.19
10	3.9	0.08	0.00	3.55	0.35	2.91
14	5.4	0.16	0.32	4.88	0.52	3.72
20	6.9	0.29	0.91	6.17	0.73	4.67
28	8.2	0.35	1.19	7.30	0.90	5.55
40	9.6	0.38	1.33	8.55	1.05	6.36
40	10.7	0.35	1.19	9.65	1.05	6.36
60	11.5	0.40	1.42	10.35	1.15	6.97

1.34	11.28	**UBOD (mg/l)**
0.13	0.04	**k rate (1/day)**
11.91	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

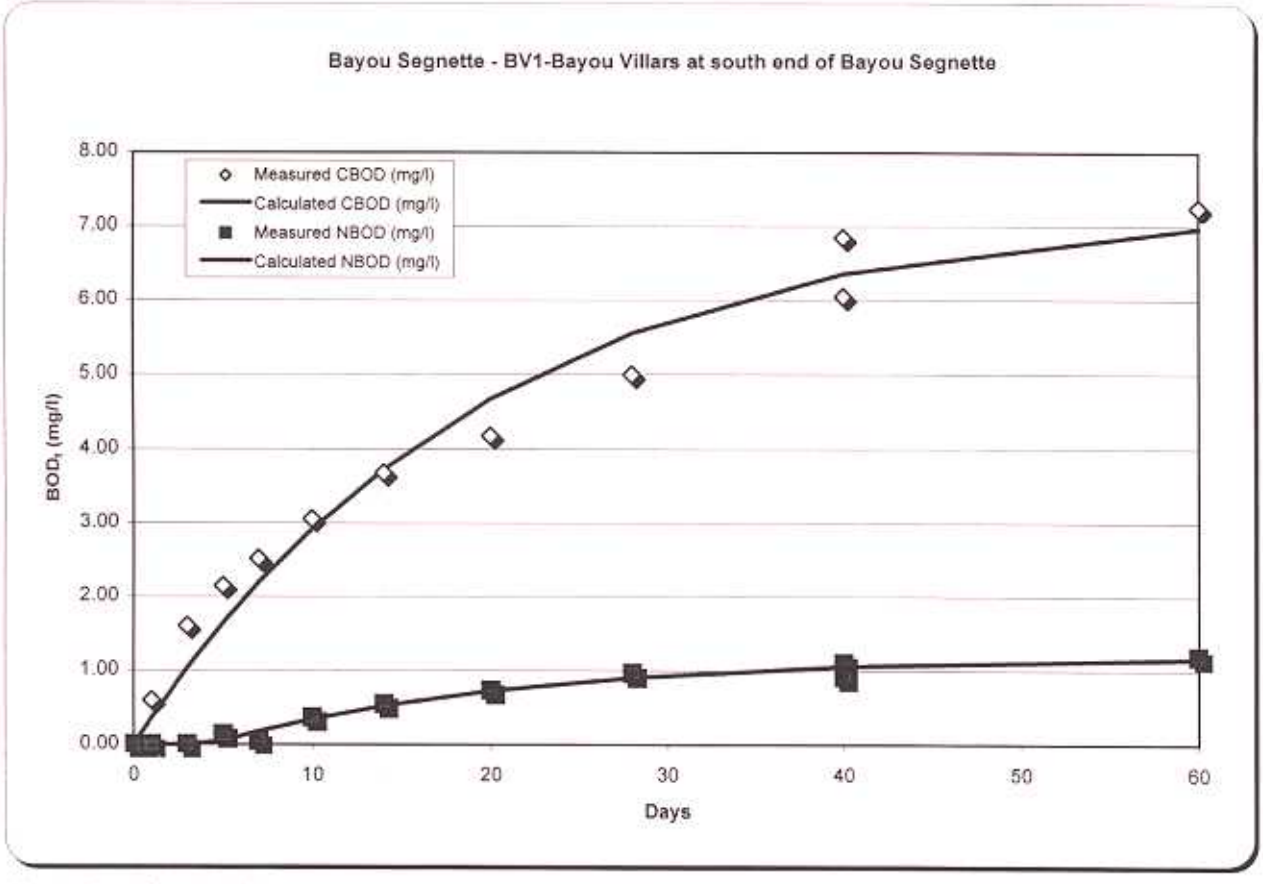
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: Bayou Segnette - BV1-Bayou Villars at south end of Bayou Segnette

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.08				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.6	0.06	0.00	0.60	0.00	0.36
3	1.6	0.06	0.00	1.60	0.00	1.03
5	2.2	0.11	0.14	2.15	0.05	1.64
7	2.7	0.09	0.05	2.52	0.18	2.19
10	3.4	0.16	0.37	3.05	0.35	2.91
14	4.2	0.20	0.55	3.68	0.52	3.72
20	4.9	0.24	0.73	4.17	0.73	4.67
28	5.9	0.29	0.96	5.00	0.90	5.55
40	7.1	0.32	1.10	6.05	1.05	6.36
40	7.9	0.28	0.91	6.85	1.05	6.36
60	8.4	0.34	1.19	7.25	1.15	6.97

1.20	7.31	UBOD (mg/l)
0.06	0.05	k rate (1/day)
4.23	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

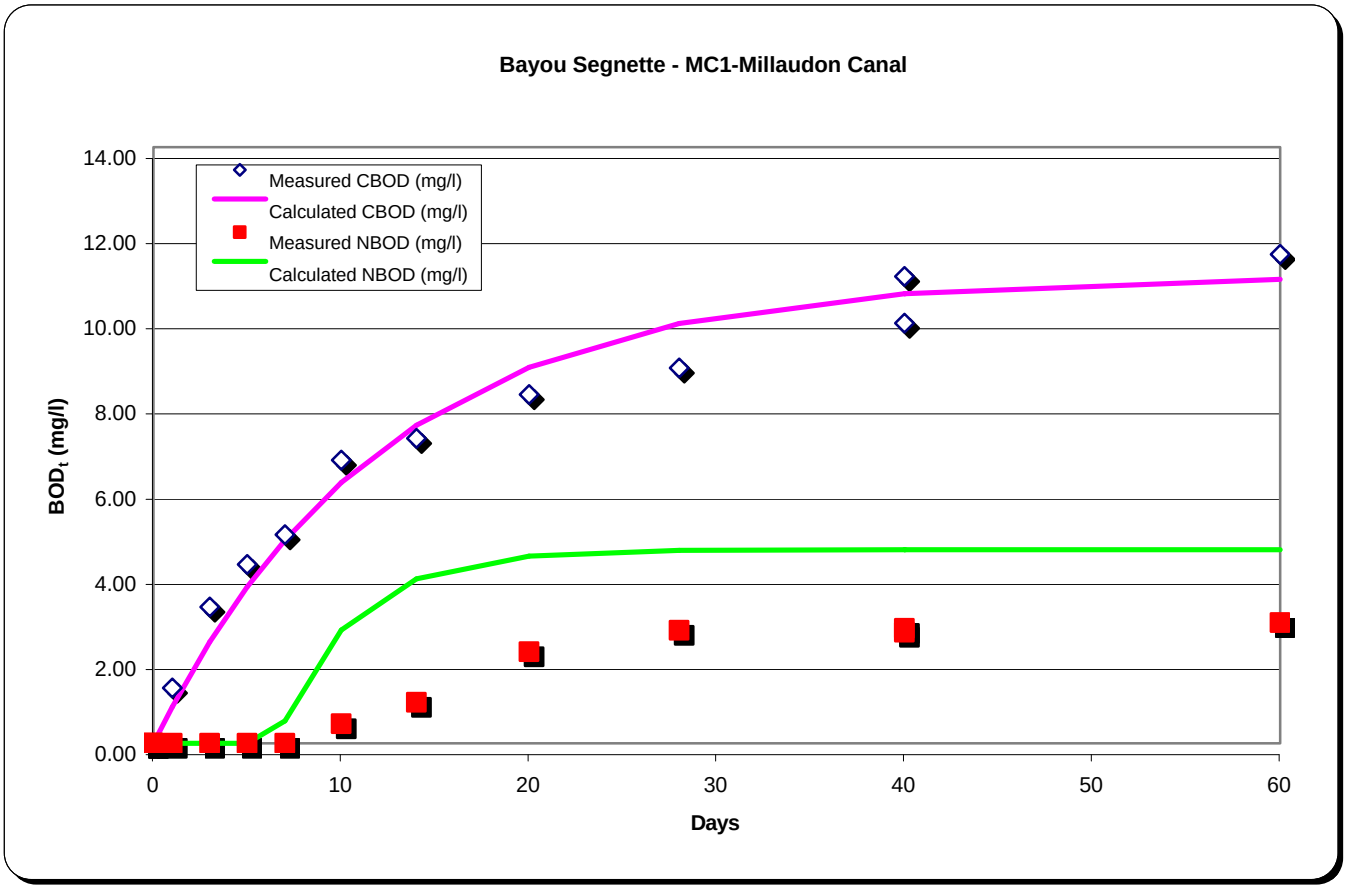
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - MC1-Millaudon Canal**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.09				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.3	0.06	0.00	1.30	0.00	0.86
3	3.2	0.06	0.00	3.20	0.00	2.38
5	4.2	0.06	0.00	4.20	0.00	3.68
7	4.9	0.05	0.00	4.90	0.53	4.78
10	7.0	0.19	0.46	6.65	2.66	6.12
14	8.4	0.30	0.96	7.16	3.86	7.47
20	10.2	0.56	2.15	8.19	4.40	8.83
28	11.3	0.67	2.65	8.81	4.53	9.86
40	12.6	0.68	2.70	9.86	4.55	10.56
40	13.7	0.66	2.60	10.96	4.55	10.56
60	14.3	0.71	2.83	11.48	4.55	10.89

2.83	10.68	**UBOD (mg/l)**
0.11	0.09	**k rate (1/day)**
8.80	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

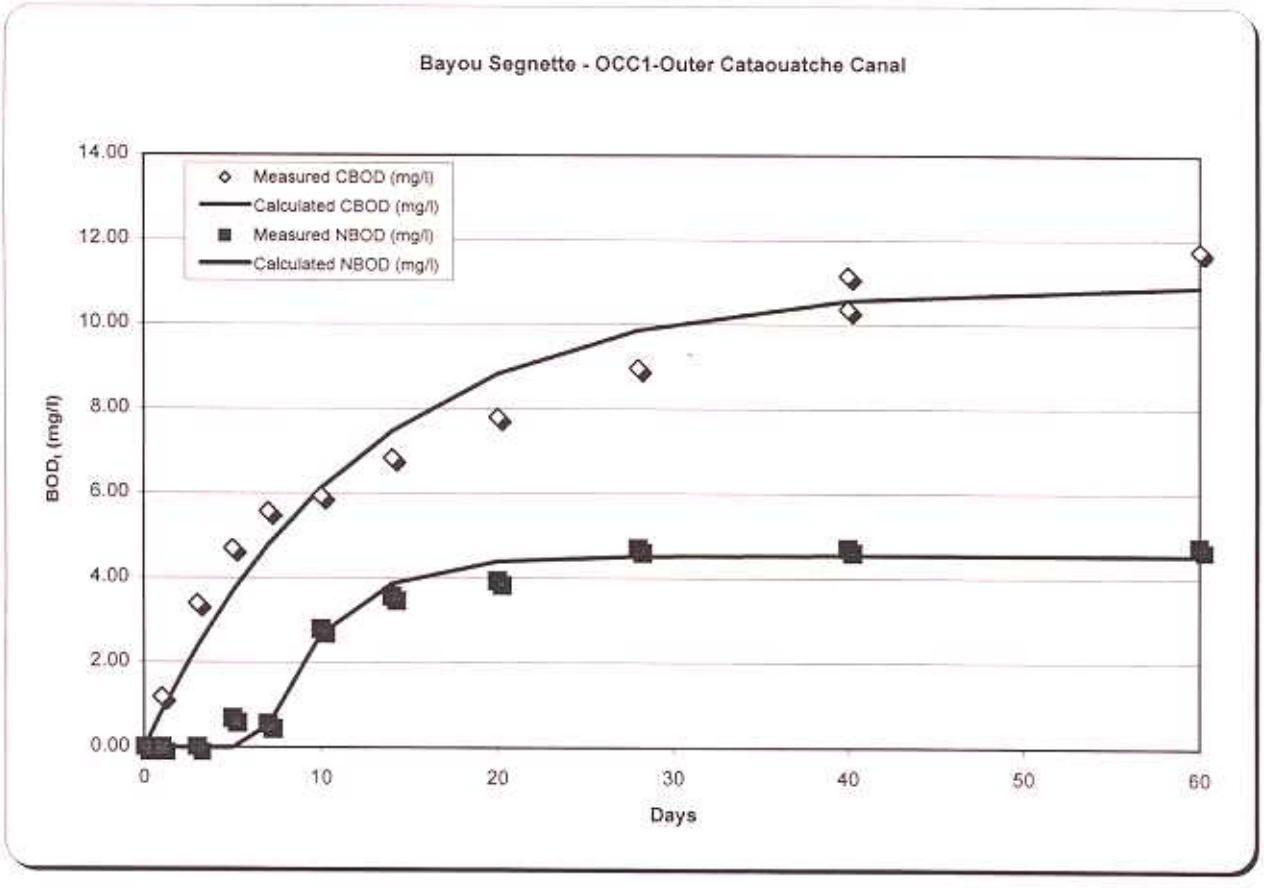
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: Bayou Segnette - OCC1-Outer Cataouatche Canal

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.22				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.2	0.21	0.00	1.20	0.00	0.86
3	3.4	0.21	0.00	3.40	0.00	2.38
5	4.7	0.37	0.69	4.70	0.00	3.68
7	6.1	0.34	0.55	5.57	0.53	4.78
10	8.6	0.83	2.79	5.94	2.66	6.12
14	10.7	1.00	3.56	6.84	3.86	7.47
20	12.2	1.08	3.93	7.80	4.40	8.83
28	13.5	1.25	4.71	8.97	4.53	9.86
40	14.9	1.25	4.71	10.35	4.55	10.56
40	15.7	1.25	4.71	11.15	4.55	10.56
60	16.3	1.26	4.75	11.75	4.55	10.89

4.55	10.98	UBOD (mg/l)
0.25	0.08	k rate (1/day)
6.51	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

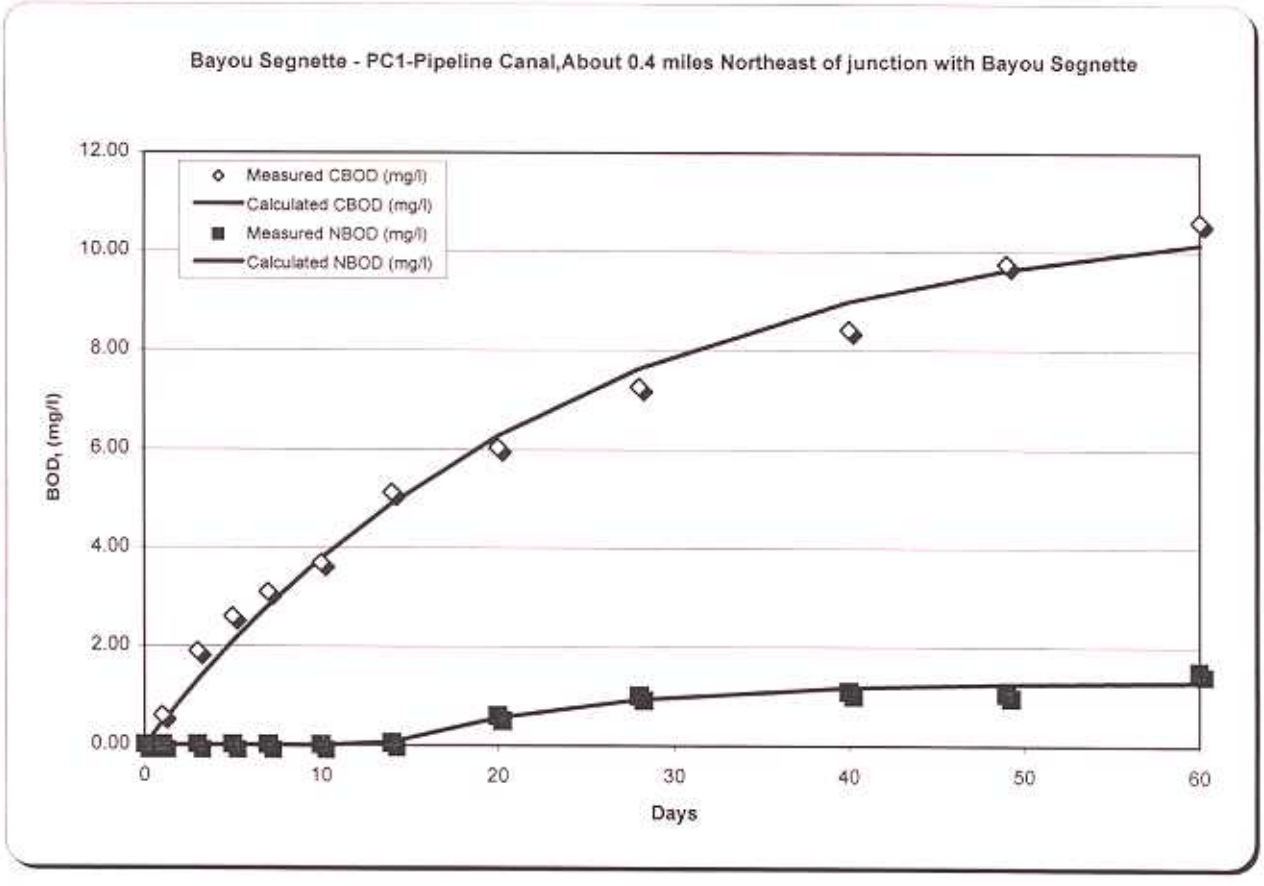
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - PC1-Pipeline Canal,About 0.4 miles Northeast of junction with Bayou Segnette**

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.06				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.6	0.05	0.00	0.60	0.00	0.45
3	1.9	0.05	0.00	1.90	0.00	1.31
5	2.6	0.05	0.00	2.60	0.00	2.09
7	3.1	0.05	0.00	3.10	0.00	2.81
10	3.7	0.05	0.00	3.70	0.00	3.79
14	5.2	0.07	0.05	5.13	0.07	4.91
20	6.6	0.19	0.59	6.04	0.56	6.27
28	8.2	0.28	1.01	7.26	0.94	7.63
40	9.6	0.30	1.10	8.42	1.18	8.98
49	11.0	0.29	1.05	9.74	1.26	9.63
60	11.9	0.39	1.51	10.60	1.30	10.15

1.32	11.03	UBOD (mg/l)
0.08	0.04	k rate (1/day)
13.37	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

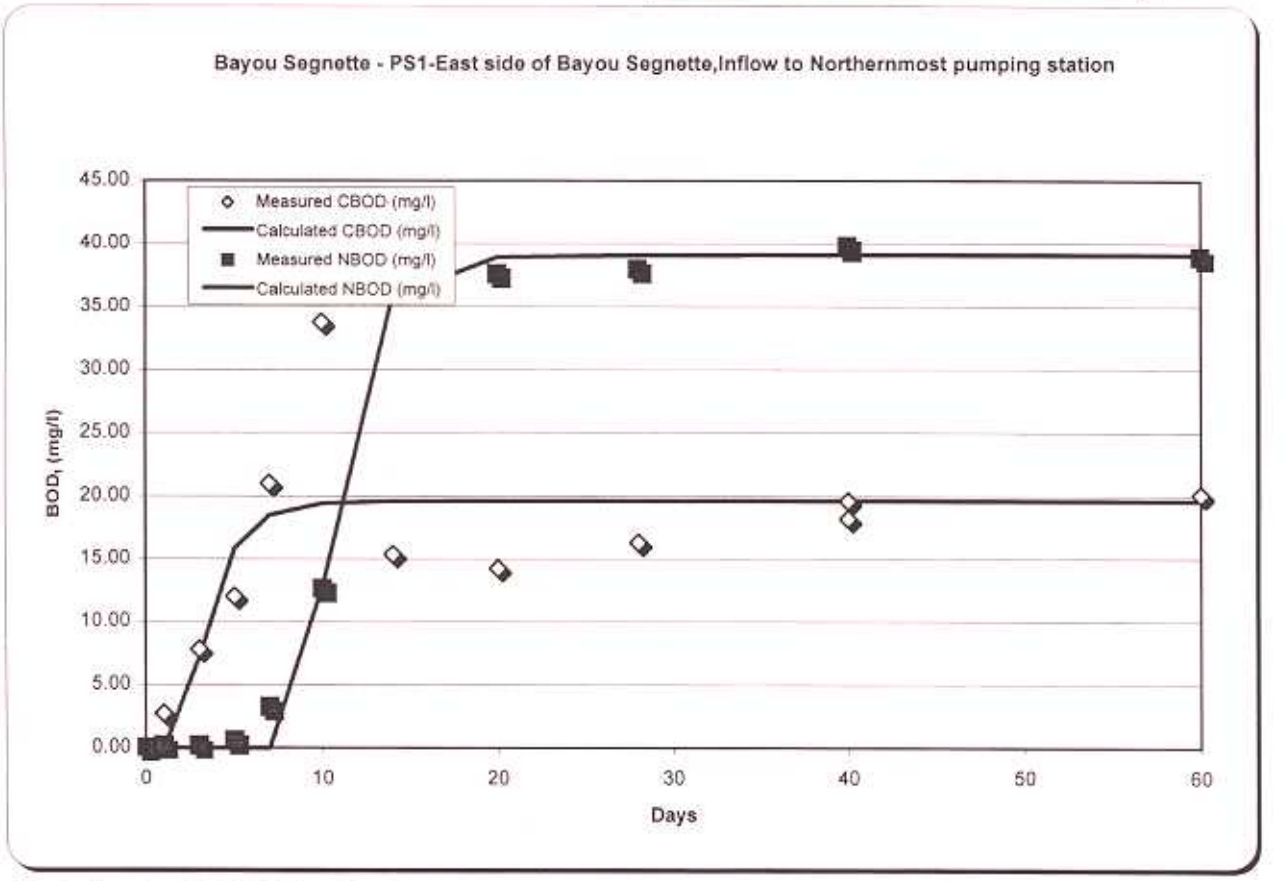
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: Bayou Segnette - PS1-East side of Bayou Segnette,Inflow to Northernmost pumping station

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.16				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	2.7	0.20	0.18	2.70	0.00	0.00
3	7.8	0.20	0.18	7.80	0.00	7.21
5	12.0	0.28	0.55	12.00	0.00	15.84
7	21.0	0.87	3.24	21.00	0.00	18.46
10	46.6	2.92	12.61	33.79	12.81	19.42
14	51.1	8.33	37.34	15.37	35.73	19.59
20	53.2	8.39	37.61	14.25	38.95	19.61
28	55.4	8.47	37.98	16.29	39.11	19.61
40	57.3	8.87	39.80	18.19	39.11	19.61
40	58.7	8.84	39.67	19.59	39.11	19.61
60	59.2	8.68	38.94	20.09	39.11	19.61

39.11	19.61	UBOD (mg/l)
0.51	0.60	k rate (1/day)
9.23	2.23	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

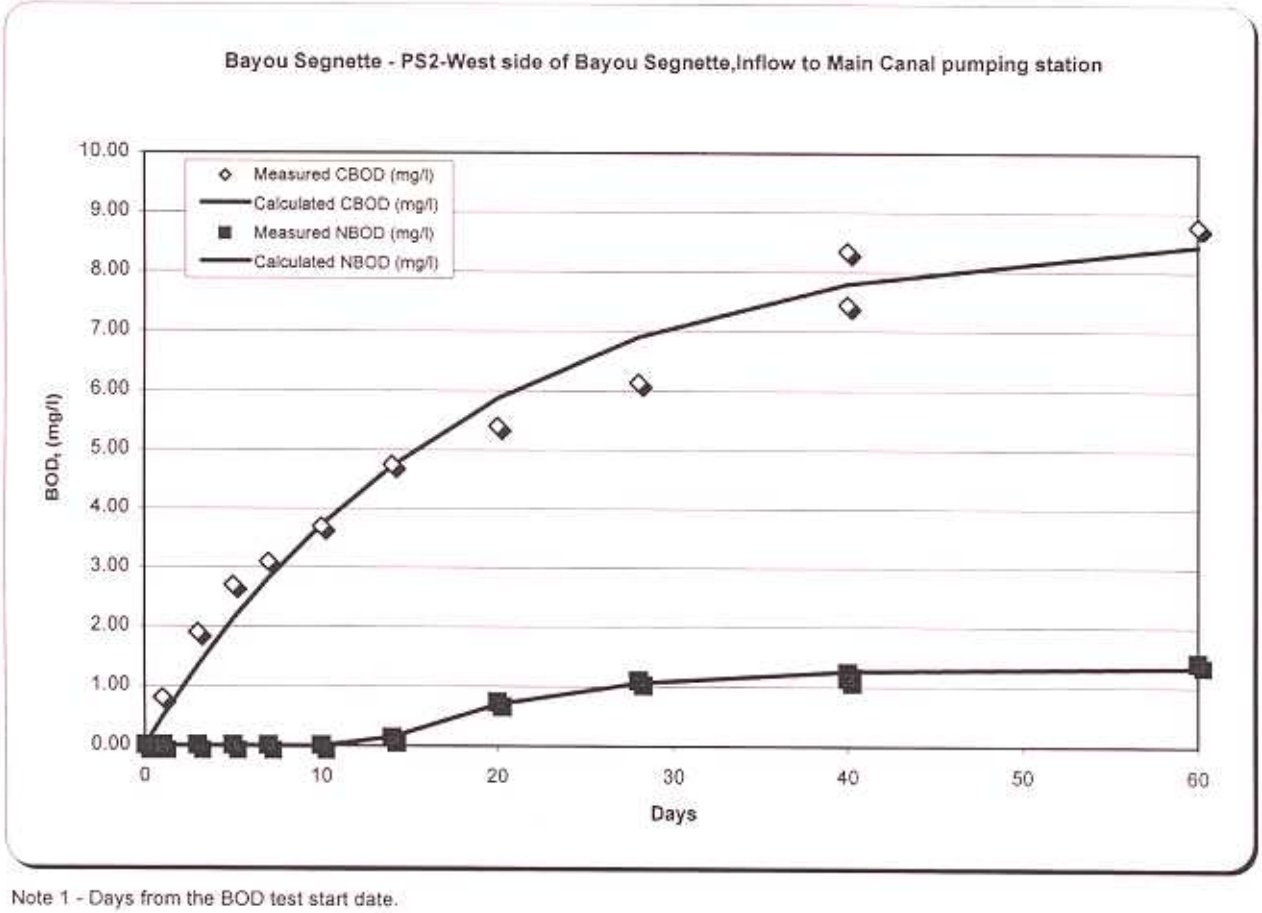
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: Bayou Segnette - PS2-West side of Bayou Segnette,Inflow to Main Canal pumping station

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.15				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.8	0.12	0.00	0.80	0.00	0.47
3	1.9	0.13	0.00	1.90	0.00	1.34
5	2.7	0.11	0.00	2.70	0.00	2.12
7	3.1	0.11	0.00	3.10	0.00	2.81
10	3.7	0.12	0.00	3.70	0.00	3.72
14	4.9	0.18	0.14	4.75	0.15	4.72
20	6.1	0.31	0.73	5.40	0.70	5.86
28	7.2	0.39	1.10	6.14	1.06	6.90
40	8.7	0.42	1.23	7.44	1.26	7.80
40	9.6	0.40	1.14	8.34	1.26	7.80
60	10.1	0.46	1.42	8.77	1.33	8.44

1.34	8.75	UBOD (mg/l)
0.10	0.06	k rate (1/day)
12.83	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

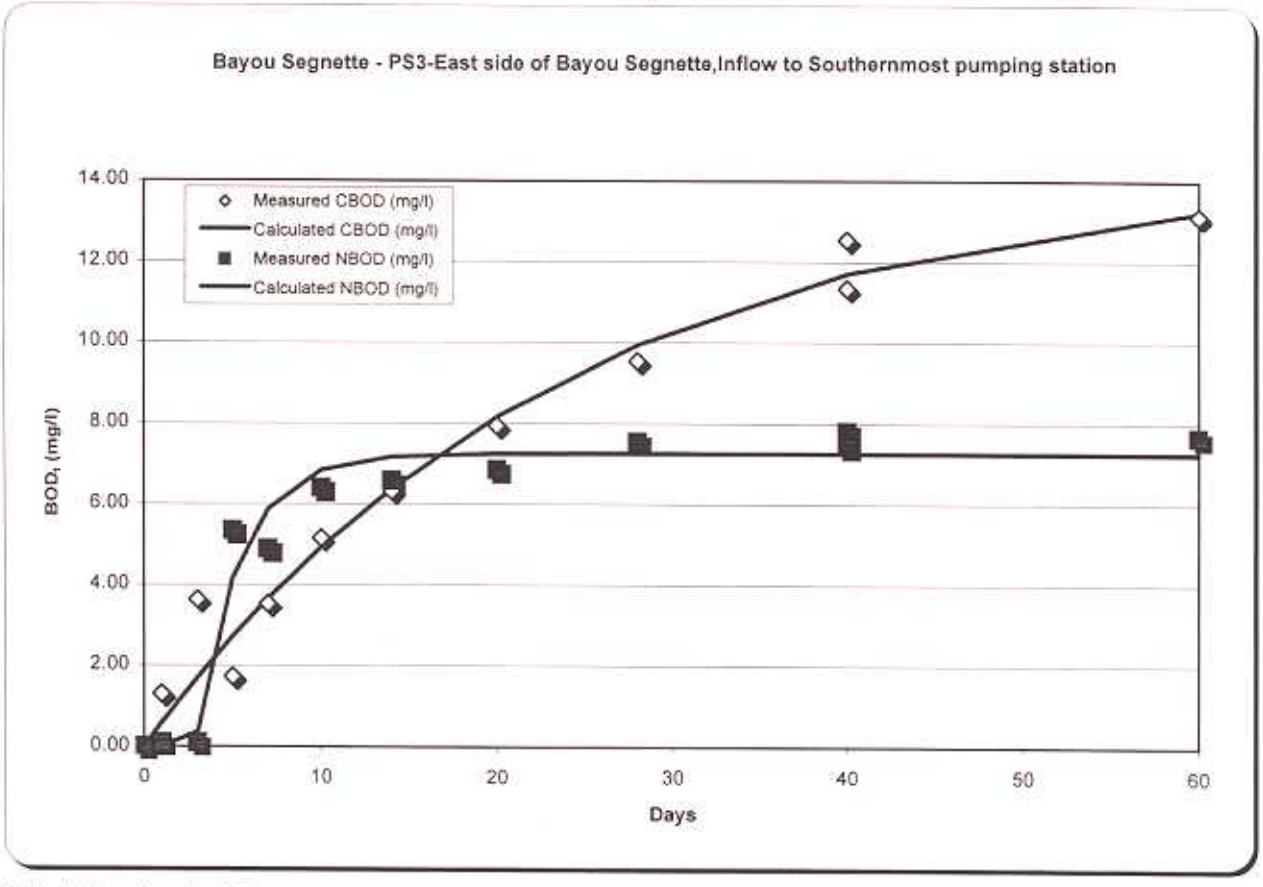
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - PS3-East side of Bayou Segnette,Inflow to Southernmost pumping station**

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.29				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.3	0.31	0.09	1.30	0.00	0.59
3	4.0	0.31	0.09	3.63	0.37	1.70
5	5.9	1.46	5.35	1.73	4.17	2.72
7	9.4	1.36	4.89	3.53	5.87	3.66
10	12.0	1.69	6.40	5.16	6.84	4.93
14	13.5	1.73	6.58	6.32	7.18	6.39
20	15.2	1.79	6.86	7.95	7.25	8.17
28	16.8	1.94	7.54	9.54	7.26	9.94
40	18.6	2.00	7.81	11.34	7.26	11.70
40	19.8	1.92	7.45	12.54	7.26	11.70
60	20.4	1.97	7.68	13.14	7.26	13.23

7.26	14.40	**UBOD (mg/l)**
0.40	0.04	**k rate (1/day)**
2.87	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

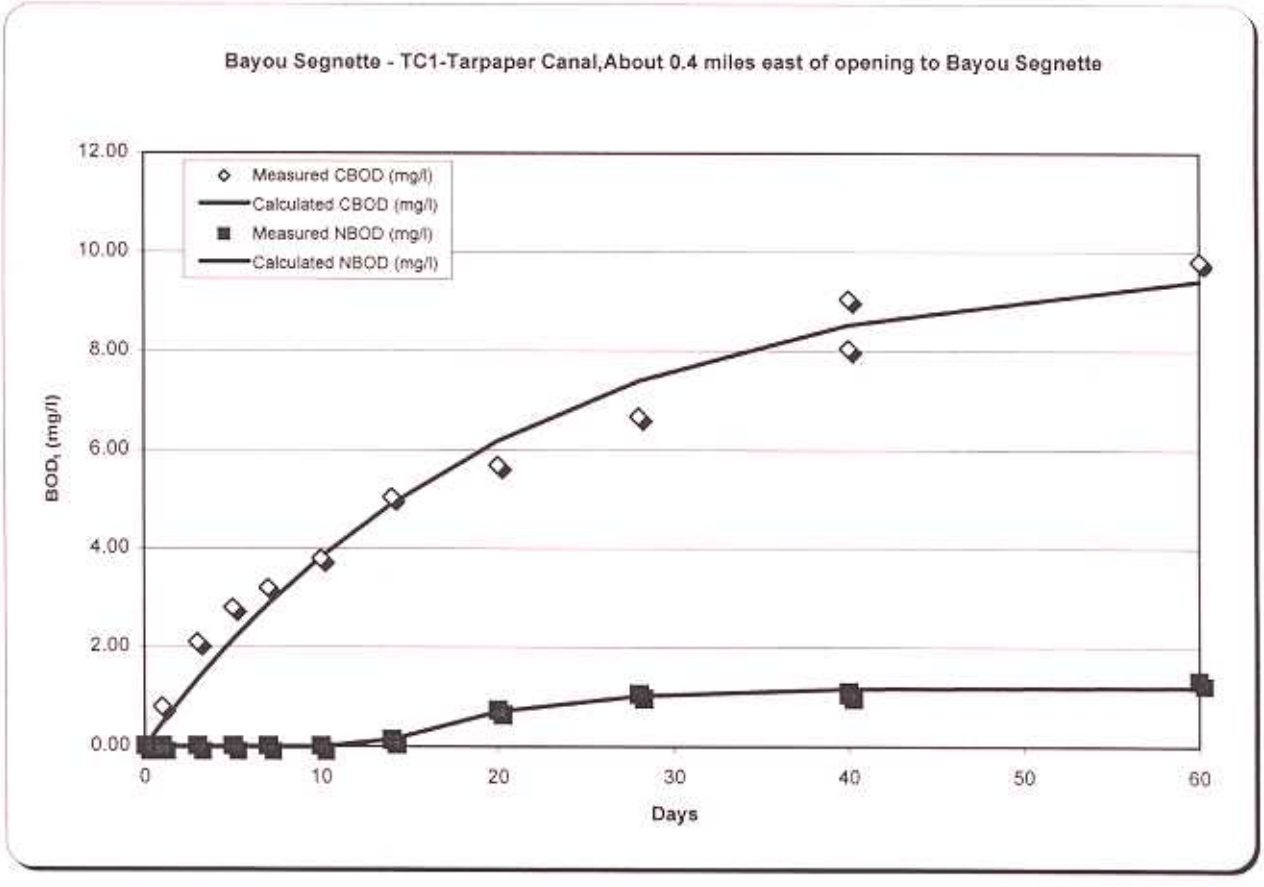
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - TC1-Tarpaper Canal,About 0.4 miles east of opening to Bayou Segnette**

Measured Data					Calculated Data	
Days	*Total BOD (mg/l)*	*NOx as N (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*	*NBOD (mg/l)*	*CBOD (mg/l)*
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.07				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	0.8	0.05	0.00	0.80	0.00	0.47
3	2.1	0.05	0.00	2.10	0.00	1.35
5	2.8	0.05	0.00	2.80	0.00	2.14
7	3.2	0.05	0.00	3.20	0.00	2.87
10	3.8	0.05	0.00	3.80	0.00	3.83
14	5.2	0.10	0.14	5.05	0.15	4.91
20	6.4	0.23	0.73	5.70	0.70	6.18
28	7.7	0.30	1.05	6.68	1.02	7.40
40	9.2	0.31	1.10	8.04	1.16	8.52
40	10.2	0.30	1.05	9.04	1.16	8.52
60	11.0	0.36	1.33	9.80	1.20	9.41

1.20	9.95	UBOD (mg/l)
0.13	0.05	k rate (1/day)
12.93	0.00	Lag time (days)



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

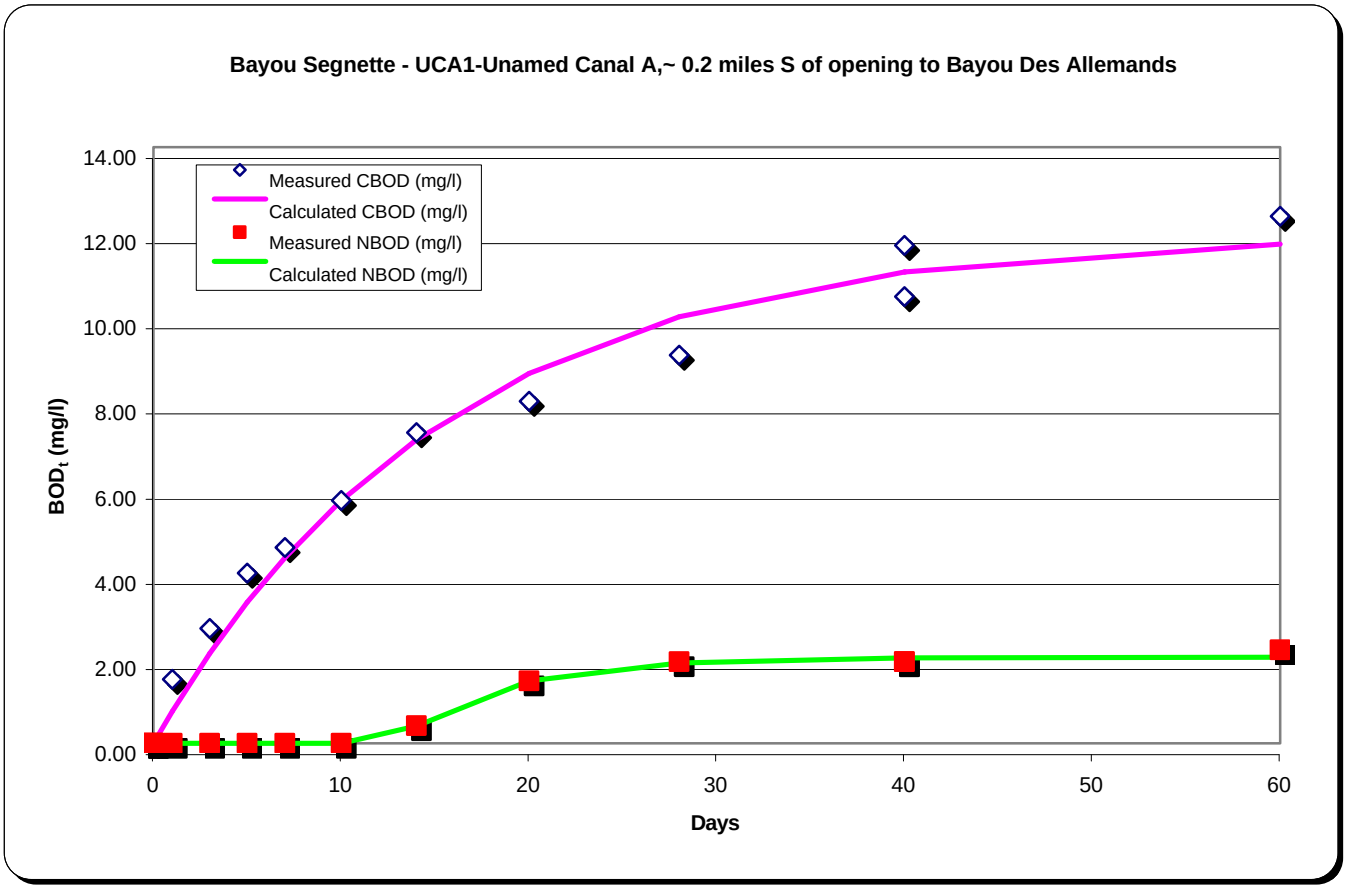
Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

BOD Analysis of the for: **Bayou Segnette - UCA1-Unamed Canal A,~ 0.2 miles S of opening to Bayou Des Allemands**

Measured Data					Calculated Data	
Days	***Total BOD (mg/l)***	***NOx as N (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***	***NBOD (mg/l)***	***CBOD (mg/l)***
Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7
0		0.07				
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
0	0.00	0.00			0.00	0.00
1	1.5	0.05	0.00	1.50	0.00	0.75
3	2.7	0.05	0.00	2.70	0.00	2.11
5	4.0	0.05	0.00	4.00	0.00	3.31
7	4.6	0.05	0.00	4.60	0.00	4.36
10	5.7	0.05	0.00	5.70	0.00	5.71
14	7.7	0.16	0.41	7.29	0.41	7.13
20	9.5	0.39	1.46	8.04	1.46	8.69
28	11.0	0.49	1.92	9.11	1.89	10.02
40	12.5	0.49	1.92	10.49	2.01	11.07
40	13.7	0.49	1.92	11.69	2.01	11.07
60	14.4	0.55	2.19	12.38	2.02	11.72

2.02	11.97	**UBOD (mg/l)**
0.18	0.06	**k rate (1/day)**
12.74	0.00	**Lag time (days)**



Note 1 - Days from the BOD test start date.

Note 2 - Measured total BOD at time in "Days" column.

Note 3 - Measured (NO_2 + NO_3 as nitrogen) at time in "Days" column.

Note 4 - Calculated by multipling the measured (NO_2 +NO_3 as nitrogen) minus the day zero (NO_2 +NO_3 as nitrogen) by 4.57.

Note 5 - Determined by subtracting the calculated NBOD from the measured total BOD.

Note 6 - Calculated from the formula {NBODt=UNBOD[1-e-(k(t-lag))]} using the listed values of UNBOD, k decay rate and lag time.

Note 7 - Calculated from the formula {CBODt=UCBOD[1-e-(k(t-lag))]} using the listed values of UCBOD, k decay rate and lag time.

Note 8 - Nox nondetects were input at 1/2 the detection level = 0.025 mg/l.

APPENDIX B5

Cross Section Data

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS 1 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Lapalco Bridge

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

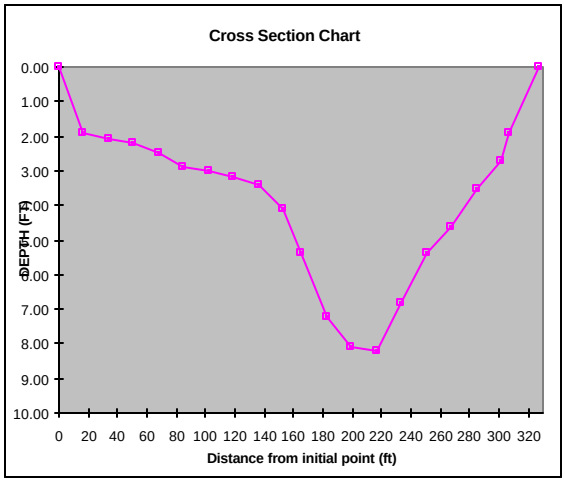
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	327.00
AREA[2] (ft^2):	1301.63
AVG. DEPTH[3](ft):	3.98

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	8.50	0.00	0.00	
2	17.0	16.99	1.90	32.28	2.48%
3	34.0	16.98	2.10	35.66	2.74%
4	51.0	16.98	2.20	37.36	2.87%
5	67.9	16.98	2.50	42.45	3.26%
6	84.9	16.98	2.90	49.24	3.78%
7	101.9	16.98	3.00	50.94	3.91%
8	118.9	16.98	3.20	54.34	4.17%
9	135.9	16.98	3.40	57.73	4.44%
10	152.8	14.85	4.10	60.86	4.68%
11	165.6	14.88	5.40	80.35	6.17%
12	182.6	17.05	7.20	122.76	9.43%
13	199.7	17.05	8.10	138.11	10.61%
14	216.7	17.05	8.20	139.81	10.74%
15	233.8	17.05	6.80	115.94	8.91%
16	250.8	17.05	5.40	92.07	7.07%
17	267.9	17.05	4.60	78.43	6.03%
18	284.9	17.05	3.50	59.67	4.58%
19	302.0	11.05	2.70	29.84	2.29%
20	307.0	12.53	1.90	23.80	1.83%
21	327.0	10.00	0.00	0.00	0.00%
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	327.00		1301.63	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Stone Dickinson Griffith	Data Inputed by / Date:	Stone 5/27/03
Notetaker/Recorder:	Stone	Data Input Checked by / Date:	Griffith 5/27/03
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS 2 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: 1/3 way between BS1 and BS4

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

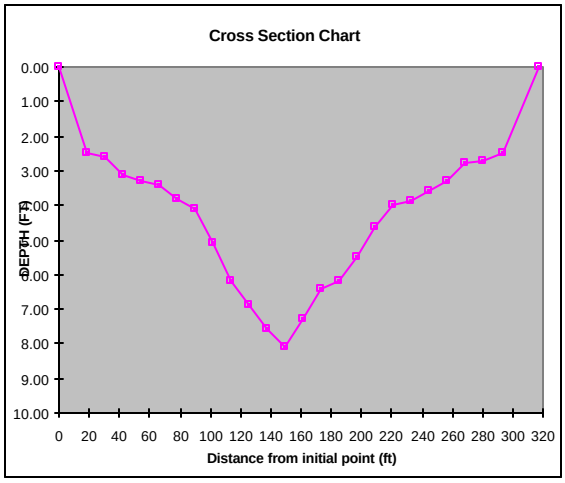
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	318.00
AREA[2] (ft^2):	1330.43
AVG. DEPTH[3](ft):	4.18

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	9.50	0.00	0.00	
2	19.0	15.45	2.50	38.63	2.90%
3	30.9	11.90	2.60	30.94	2.33%
4	42.8	11.90	3.10	36.89	2.77%
5	54.7	11.90	3.30	39.27	2.95%
6	66.6	11.90	3.40	40.46	3.04%
7	78.5	11.90	3.80	45.22	3.40%
8	90.4	11.90	4.10	48.79	3.67%
9	102.3	11.90	5.10	60.69	4.56%
10	114.2	11.90	6.20	73.78	5.55%
11	126.1	11.90	6.90	82.11	6.17%
12	138.0	11.90	7.60	90.44	6.80%
13	149.9	11.90	8.10	96.39	7.25%
14	161.8	11.90	7.30	86.87	6.53%
15	173.7	11.90	6.40	76.16	5.72%
16	185.6	11.90	6.20	73.78	5.55%
17	197.5	11.90	5.50	65.45	4.92%
18	209.4	11.90	4.60	54.74	4.11%
19	221.3	11.90	4.00	47.60	3.58%
20	233.2	11.90	3.90	46.41	3.49%
21	245.1	11.90	3.60	42.84	3.22%
22	257.0	11.90	3.30	39.27	2.95%
23	268.9	11.90	2.80	33.32	2.50%
24	280.8	12.55	2.70	33.89	2.55%
25	294.0	18.60	2.50	46.50	3.50%
26	318.0	12.00	0.00	0.00	0.00%
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	318.00		1330.43	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Stone Dickinson Griffith	Data Inputed by / Date:	Stone 5/27/03
Notetaker/Recorder:	Stone	Data Input Checked by / Date:	Griffith 5/27/03
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS-3 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: 2/3 of the way from BS-1 to BS-4

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

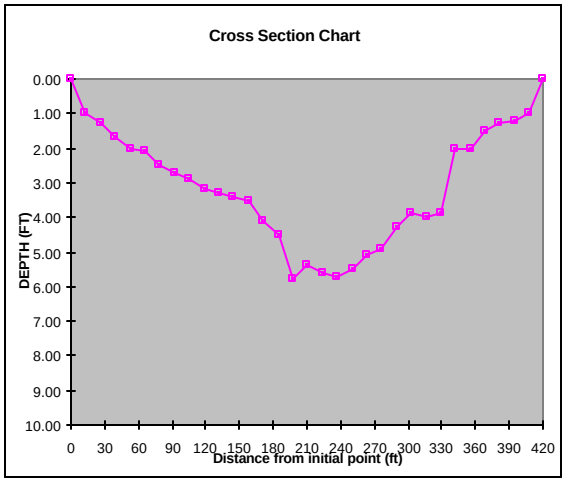
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	420.00
AREA[2] (ft^2):	1332.55
AVG. DEPTH[3] (ft):	3.17

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	6.62	0.00	0.00	
2	13.2	13.20	1.00	13.20	0.99%
3	26.4	13.16	1.30	17.11	1.28%
4	39.6	13.16	1.70	22.37	1.68%
5	52.7	13.16	2.00	26.32	1.98%
6	65.9	13.16	2.10	27.64	2.07%
7	79.0	13.16	2.50	32.90	2.47%
8	92.2	13.16	2.70	35.53	2.67%
9	105.4	13.16	2.90	38.16	2.86%
10	118.5	13.16	3.20	42.11	3.16%
11	131.7	13.16	3.30	43.43	3.26%
12	144.8	13.16	3.40	44.74	3.36%
13	158.0	13.16	3.50	46.06	3.46%
14	171.2	13.16	4.10	53.96	4.05%
15	184.3	13.16	4.50	59.22	4.44%
16	197.5	13.16	5.80	76.33	5.73%
17	210.6	13.16	5.40	71.06	5.33%
18	223.8	13.16	5.60	73.70	5.53%
19	237.0	13.16	5.70	75.01	5.63%
20	250.1	13.16	5.50	72.38	5.43%
21	263.3	13.16	5.10	67.12	5.04%
22	276.4	13.16	4.90	64.48	4.84%
23	289.6	13.16	4.30	56.59	4.25%
24	302.8	13.16	3.90	51.32	3.85%
25	315.9	13.16	4.00	52.64	3.95%
26	329.1	13.16	3.90	51.32	3.85%
27	342.2	13.16	2.00	26.32	1.98%
28	355.4	13.16	2.00	26.32	1.98%
29	368.6	13.16	1.50	19.74	1.48%
30	381.7	13.16	1.30	17.11	1.28%
31	394.9	13.16	1.20	15.79	1.19%
32	408.0	12.56	1.00	12.56	0.94%
33	420.0	5.98	0.00	0.00	0.00%
34					
35					
36					
37					
38					
39					
40					
	Total	420.00		1332.55	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Butler	Data Inputed by / Date:	LaFleur 6/6/03
Notetaker/Recorder:	Savant	Data Input Checked by / Date:	Savant 6/6/03
Other:	LaFleur		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS 4 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description:

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

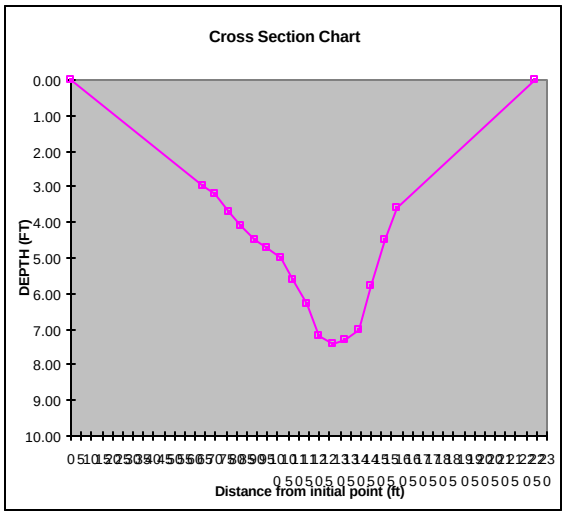
Tapedown:

Guage Height:

Date: 6/13/03

WIDTH[1] (ft):	224.00
AREA[2] (ft^2):	611.64
AVG. DEPTH[3] (ft):	2.73

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	31.65	0.00	0.00	
2	63.3		3.00	0.00	0.00%
3	69.6	6.30	3.20	20.16	3.30%
4	75.9	6.30	3.70	23.31	3.81%
5	82.2	6.30	4.10	25.83	4.22%
6	88.5	6.30	4.50	28.35	4.64%
7	94.8	6.30	4.70	29.61	4.84%
8	101.1	6.30	5.00	31.50	5.15%
9	107.4	6.30	5.60	35.28	5.77%
10	113.7	6.30	6.30	39.69	6.49%
11	120.0	6.30	7.20	45.36	7.42%
12	126.3	6.30	7.40	46.62	7.62%
13	132.6	6.30	7.30	45.99	7.52%
14	138.9	6.30	7.00	44.10	7.21%
15	145.2	6.30	5.80	36.54	5.97%
16	151.5	6.40	4.50	28.80	4.71%
17	158.0	36.25	3.60	130.50	21.34%
18	224.0	33.00	0.00	0.00	0.00%
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	224.00		611.64	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Hughes, Savant	Data Inputed by / Date: Jones 6/16/03
Notetaker/Recorder:	Hughes	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS5 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Below Camps

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

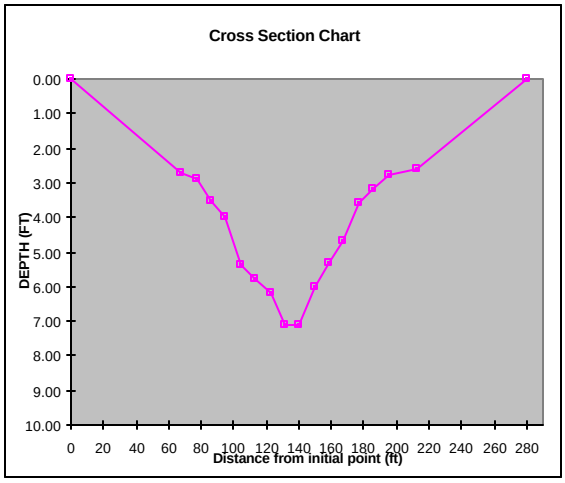
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	280.00
AREA[2] (ft^2):	839.94
AVG. DEPTH[3](ft):	3.00

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	34.00	0.00	0.00	
2	68.0	38.53	2.70	104.03	12.39%
3	77.1	9.06	2.90	26.27	3.13%
4	86.1	9.06	3.50	31.71	3.78%
5	95.2	9.06	4.00	36.24	4.31%
6	104.2	9.06	5.40	48.92	5.82%
7	113.3	9.06	5.80	52.55	6.26%
8	122.4	9.06	6.20	56.17	6.69%
9	131.4	9.06	7.10	64.33	7.66%
10	140.5	9.06	7.10	64.33	7.66%
11	149.5	9.06	6.00	54.36	6.47%
12	158.6	9.06	5.30	48.02	5.72%
13	167.7	9.06	4.70	42.58	5.07%
14	176.7	9.06	3.60	32.62	3.88%
15	185.8	9.06	3.20	28.99	3.45%
16	194.8	13.61	2.80	38.11	4.54%
17	213.0	42.58	2.60	110.71	13.18%
18	280.0	33.50	0.00	0.00	0.00%
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	280.00		839.94	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Jones, Hughes, Brignac, Schwartz.	Data Inputed by / Date:	Brignac 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:	
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: BS6 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description:

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

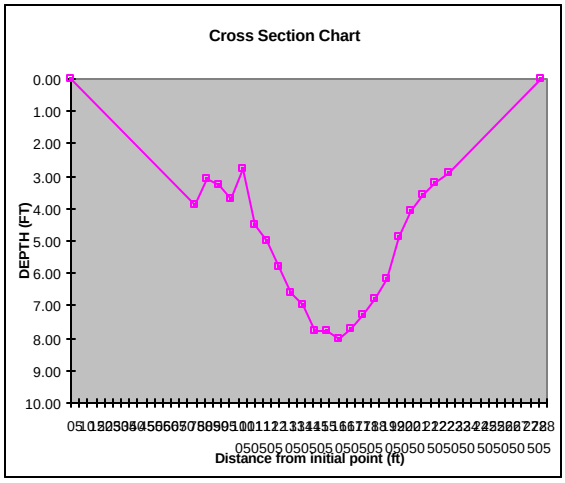
Tapedown:

Guage Height:

Date: 6/13/03

WIDTH[1] (ft):	256.50
AREA[2] (ft^2):	965.85
AVG. DEPTH[3](ft):	3.77

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	37.10	0.00	0.00	
2	74.2	40.70	3.90	158.73	16.43%
3	81.4	7.20	3.10	22.32	2.31%
4	88.6	7.20	3.30	23.76	2.46%
5	95.8	7.20	3.70	26.64	2.76%
6	103.0	7.20	2.80	20.16	2.09%
7	110.2	7.20	4.50	32.40	3.35%
8	117.4	7.20	5.00	36.00	3.73%
9	124.6	7.20	5.80	41.76	4.32%
10	131.8	7.20	6.60	47.52	4.92%
11	139.0	7.20	7.00	50.40	5.22%
12	146.2	7.20	7.80	56.16	5.81%
13	153.4	7.20	7.80	56.16	5.81%
14	160.6	7.20	8.00	57.60	5.96%
15	167.8	7.20	7.70	55.44	5.74%
16	175.0	7.20	7.30	52.56	5.44%
17	182.2	7.20	6.80	48.96	5.07%
18	189.4	7.20	6.20	44.64	4.62%
19	196.6	7.20	4.90	35.28	3.65%
20	203.8	7.20	4.10	29.52	3.06%
21	211.0	7.20	3.60	25.92	2.68%
22	218.2	7.20	3.20	23.04	2.39%
23	226.0	7.20	2.90	20.88	2.16%
24	281.0	27.50	0.00	0.00	0.00%
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	256.50		965.85	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Hughes, Savant	Data Inputed by / Date: Jones 6/16/03
Notetaker/Recorder:	Hughes, Savant	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: XS 2 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: 1/3 way between BS1 and BS4

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

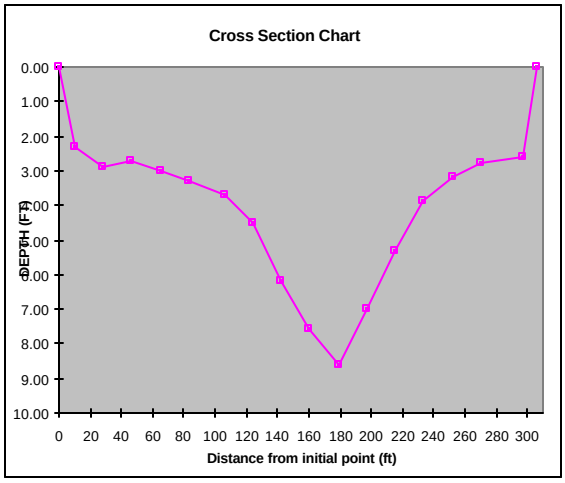
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	306.00
AREA[2] (ft^2):	1287.88
AVG. DEPTH[3](ft):	4.21

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	5.00	0.00	0.00	
2	10.0	14.12	2.30	32.48	2.52%
3	28.2	18.24	2.90	52.90	4.11%
4	46.5	18.24	2.70	49.25	3.82%
5	64.7	18.24	3.00	54.72	4.25%
6	83.0	20.54	3.30	67.78	5.26%
7	105.8	20.54	3.70	76.00	5.90%
8	124.0	18.24	4.50	82.08	6.37%
9	142.3	18.24	6.20	113.09	8.78%
10	160.5	18.24	7.60	138.62	10.76%
11	178.8	18.24	8.60	156.86	12.18%
12	197.0	18.24	7.00	127.68	9.91%
13	215.2	18.24	5.30	96.67	7.51%
14	233.5	18.24	3.90	71.14	5.52%
15	251.7	18.24	3.20	58.37	4.53%
16	270.0	22.64	2.80	63.39	4.92%
17	297.0	18.02	2.60	46.85	3.64%
18	306.0	4.50	0.00	0.00	0.00%
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	306.00		1287.88	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Stone Dickinson Griffith	Data Inputed by / Date:	Stone 5/27/03
Notetaker/Recorder:	Stone	Data Input Checked by / Date:	Griffith 5/27/03
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: XS-3 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: midway between BS-2 and BS-3

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

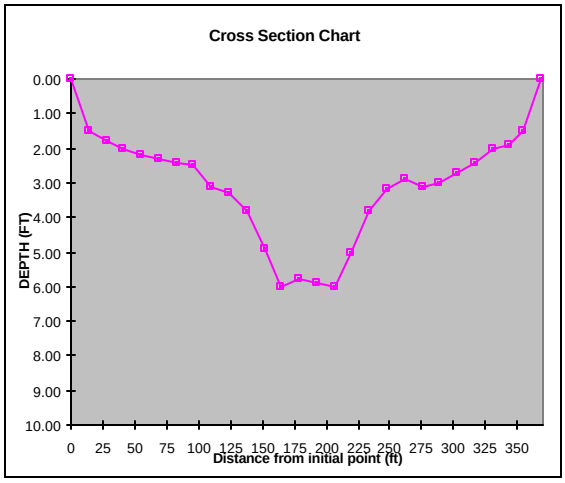
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	368.00
AREA[2] (ft^2):	1163.67
AVG. DEPTH[3](ft):	3.16

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	6.88	0.00	0.00	
2	13.8	13.76	1.50	20.64	1.77%
3	27.5	13.76	1.80	24.77	2.13%
4	41.3	13.76	2.00	27.52	2.36%
5	55.0	13.76	2.20	30.27	2.60%
6	68.8	13.76	2.30	31.65	2.72%
7	82.6	13.76	2.40	33.02	2.84%
8	96.3	13.76	2.50	34.40	2.96%
9	110.1	13.76	3.10	42.66	3.67%
10	123.8	13.76	3.30	45.41	3.90%
11	137.6	13.76	3.80	52.29	4.49%
12	151.4	13.76	4.90	67.42	5.79%
13	165.1	13.76	6.00	82.56	7.09%
14	178.9	13.76	5.80	79.81	6.86%
15	192.6	13.76	5.90	81.18	6.98%
16	206.4	13.76	6.00	82.56	7.09%
17	220.2	13.76	5.00	68.80	5.91%
18	233.9	13.76	3.80	52.29	4.49%
19	247.7	13.76	3.20	44.03	3.78%
20	261.4	13.76	2.90	39.90	3.43%
21	275.2	13.76	3.10	42.66	3.67%
22	289.0	13.76	3.00	41.28	3.55%
23	302.7	13.76	2.70	37.15	3.19%
24	316.5	13.76	2.40	33.02	2.84%
25	330.2	13.76	2.00	27.52	2.36%
26	344.0	12.03	1.90	22.86	1.96%
27	354.3	12.00	1.50	18.00	1.55%
28	368.0	6.85	0.00	0.00	0.00%
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	368.00		1163.67	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Savant	Data Inputed by / Date:	LaFleur 6/6/03
Notetaker/Recorder:	Butler	Data Input Checked by / Date:	Savant 6/6/03
Other:	LaFleur		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: XS4 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Above Camps

Type of Equipment: ● Fathomete ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

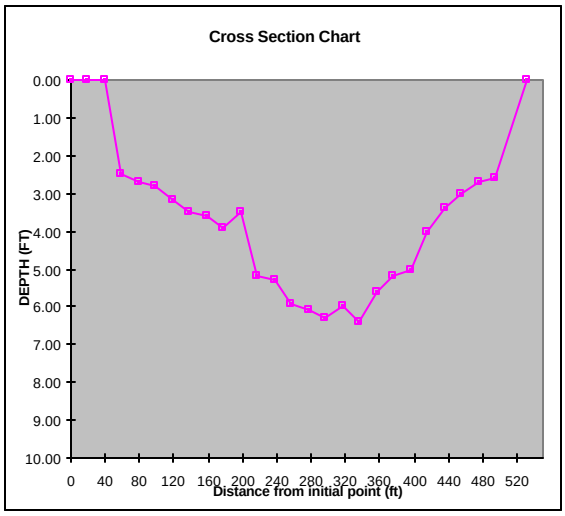
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	532.00
AREA[2] (ft^2):	1948.32
AVG. DEPTH[3] (ft):	3.66

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6 & 7]
1	0.0	9.90	0.00	0.00	
2	19.8	19.80	0.00	0.00	0.00%
3	39.6	19.80	0.00	0.00	0.00%
4	59.4	19.80	2.50	49.50	2.54%
5	79.2	19.80	2.70	53.46	2.74%
6	99.0	19.80	2.80	55.44	2.85%
7	118.8	19.80	3.20	63.36	3.25%
8	138.6	19.80	3.50	69.30	3.56%
9	158.4	19.80	3.60	71.28	3.66%
10	178.2	19.80	3.90	77.22	3.96%
11	198.0	19.80	3.50	69.30	3.56%
12	217.8	19.80	5.20	102.96	5.28%
13	237.6	19.80	5.30	104.94	5.39%
14	257.4	19.80	5.90	116.82	6.00%
15	277.2	19.80	6.10	120.78	6.20%
16	297.0	19.80	6.30	124.74	6.40%
17	316.8	19.80	6.00	118.80	6.10%
18	336.6	19.80	6.40	126.72	6.50%
19	356.4	19.80	5.60	110.88	5.69%
20	376.2	19.80	5.20	102.96	5.28%
21	396.0	19.80	5.00	99.00	5.08%
22	415.8	19.80	4.00	79.20	4.07%
23	435.6	19.80	3.40	67.32	3.46%
24	455.4	19.80	3.00	59.40	3.05%
25	475.2	19.80	2.70	53.46	2.74%
26	495.0	19.80	2.60	51.48	2.64%
27	532.0	37.00	0.00	0.00	0.00%
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	532.00		1948.32	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Hughes, Jones, Schwartz,Brignac	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: Dye Dump **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description:

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

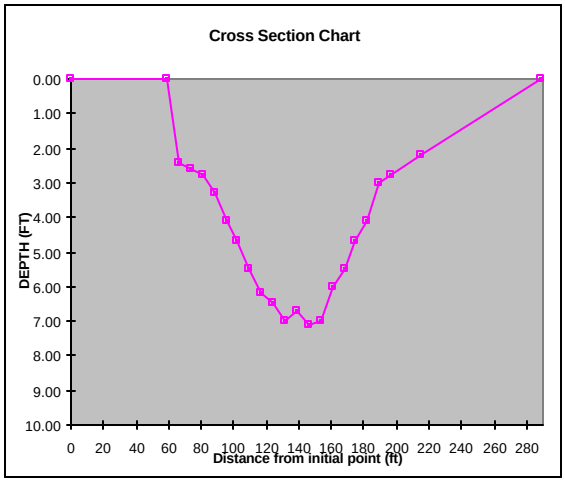
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	289.00
AREA[2] (ft^2):	783.88
AVG. DEPTH[3](ft):	2.71

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	29.50	0.00	0.00	
2	59.0	33.13	0.00	0.00	0.00%
3	66.3	7.25	2.40	17.40	2.22%
4	73.5	7.25	2.60	18.85	2.40%
5	80.8	7.25	2.80	20.30	2.59%
6	88.0	7.25	3.30	23.93	3.05%
7	95.3	7.25	4.10	29.73	3.79%
8	102.5	7.25	4.70	34.08	4.35%
9	109.8	7.25	5.50	39.88	5.09%
10	117.0	7.25	6.20	44.95	5.73%
11	124.3	7.25	6.50	47.13	6.01%
12	131.5	7.25	7.00	50.75	6.47%
13	138.8	7.25	6.70	48.58	6.20%
14	146.0	7.25	7.10	51.48	6.57%
15	153.3	7.25	7.00	50.75	6.47%
16	160.5	7.25	6.00	43.50	5.55%
17	167.8	7.25	5.50	39.88	5.09%
18	175.0	7.25	4.70	34.08	4.35%
19	182.3	7.25	4.10	29.73	3.79%
20	189.5	7.25	3.00	21.75	2.77%
21	196.8	12.75	2.80	35.70	4.55%
22	215.0	46.13	2.20	101.48	12.95%
23	289.0	37.00	0.00	0.00	0.00%
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	289.00		783.88	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Hughes, Brignac, Schwartz	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: X-Sect 1 DYE **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Run 1

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

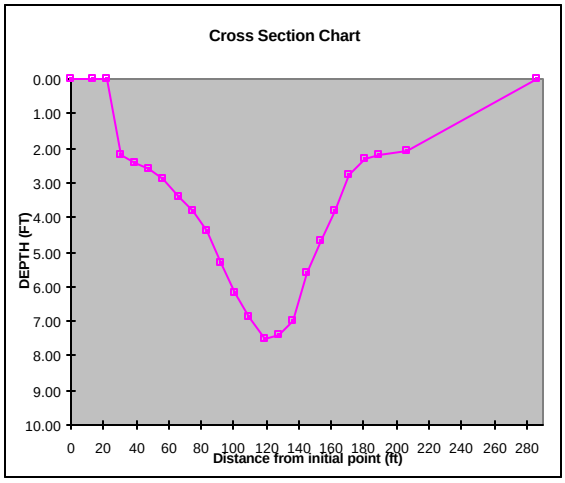
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	286.00
AREA[2] (ft^2):	845.89
AVG. DEPTH[3](ft):	2.96

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	6.50	0.00	0.00	
2	13.0	10.90	0.00	0.00	0.00%
3	21.8	8.80	0.00	0.00	0.00%
4	30.6	8.80	2.20	19.36	2.29%
5	39.4	8.80	2.40	21.12	2.50%
6	48.2	8.80	2.60	22.88	2.70%
7	57.0	8.80	2.90	25.52	3.02%
8	65.8	8.80	3.40	29.92	3.54%
9	74.6	8.80	3.80	33.44	3.95%
10	83.4	8.80	4.40	38.72	4.58%
11	92.2	8.80	5.30	46.64	5.51%
12	101.0	8.80	6.20	54.56	6.45%
13	109.8	8.80	6.90	60.72	7.18%
14	118.6	8.80	7.50	66.00	7.80%
15	127.4	8.80	7.40	65.12	7.70%
16	136.2	8.80	7.00	61.60	7.28%
17	145.0	8.80	5.60	49.28	5.83%
18	153.8	8.80	4.70	41.36	4.89%
19	162.6	8.80	3.80	33.44	3.95%
20	171.4	8.80	2.80	24.64	2.91%
21	180.2	8.80	2.30	20.24	2.39%
22	189.0	13.40	2.20	29.48	3.49%
23	207.0	48.50	2.10	101.85	12.04%
24	286.0	39.50	0.00	0.00	0.00%
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	286.00		845.89	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Brignac, Hughes, Schwartz	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: X-Sect 2 DYE **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Run 1

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

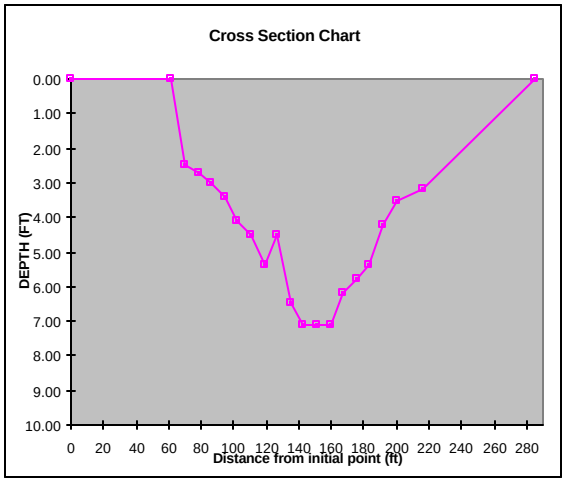
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	285.00
AREA[2] (ft^2):	823.13
AVG. DEPTH[3](ft):	2.89

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	31.00	0.00	0.00	
2	62.0	35.05	0.00	0.00	0.00%
3	70.1	8.10	2.50	20.25	2.46%
4	78.2	8.10	2.70	21.87	2.66%
5	86.3	8.10	3.00	24.30	2.95%
6	94.4	8.10	3.40	27.54	3.35%
7	102.5	8.10	4.10	33.21	4.03%
8	110.6	8.10	4.50	36.45	4.43%
9	118.7	8.10	5.40	43.74	5.31%
10	126.8	8.10	4.50	36.45	4.43%
11	134.9	8.10	6.50	52.65	6.40%
12	143.0	8.10	7.10	57.51	6.99%
13	151.1	8.10	7.10	57.51	6.99%
14	159.2	8.10	7.10	57.51	6.99%
15	167.3	8.10	6.20	50.22	6.10%
16	175.4	8.10	5.80	46.98	5.71%
17	183.5	8.10	5.40	43.74	5.31%
18	191.6	8.10	4.20	34.02	4.13%
19	199.7	12.20	3.50	42.70	5.19%
20	216.0	42.65	3.20	136.48	16.58%
21	285.0	34.50	0.00	0.00	0.00%
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	285.00		823.13	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Schwartz, Brignac, Hughes	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: X-Sect 3 DYE **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Run 1

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

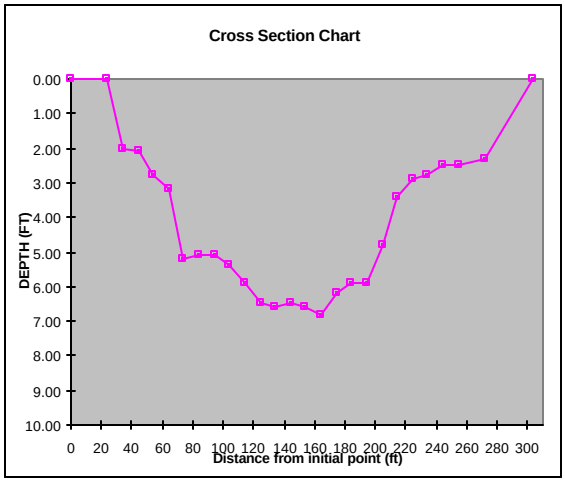
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	303.00
AREA[2] (ft^2):	1134.36
AVG. DEPTH[3](ft):	3.74

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	12.00	0.00	0.00	
2	24.0	17.01	0.00	0.00	0.00%
3	34.0	10.02	2.00	20.04	1.77%
4	44.0	10.02	2.10	21.04	1.85%
5	54.1	10.02	2.80	28.06	2.47%
6	64.1	10.02	3.20	32.06	2.83%
7	74.1	10.02	5.20	52.10	4.59%
8	84.1	10.02	5.10	51.10	4.50%
9	94.1	10.02	5.10	51.10	4.50%
10	104.2	10.02	5.40	54.11	4.77%
11	114.2	10.02	5.90	59.12	5.21%
12	124.2	10.02	6.50	65.13	5.74%
13	134.2	10.02	6.60	66.13	5.83%
14	144.2	10.02	6.50	65.13	5.74%
15	154.3	10.02	6.60	66.13	5.83%
16	164.3	10.02	6.80	68.14	6.01%
17	174.3	10.02	6.20	62.12	5.48%
18	184.3	10.02	5.90	59.12	5.21%
19	194.3	10.02	5.90	59.12	5.21%
20	204.4	10.02	4.80	48.10	4.24%
21	214.4	10.02	3.40	34.07	3.00%
22	224.4	10.02	2.90	29.06	2.56%
23	234.4	10.02	2.80	28.06	2.47%
24	244.4	10.02	2.50	25.05	2.21%
25	254.5	13.78	2.50	34.45	3.04%
26	272.0	24.27	2.30	55.82	4.92%
27	303.0	15.50	0.00	0.00	0.00%
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	303.00		1134.36	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Brignac, Hughes, Schwartz	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: Drill Hole 1 DYE **Subsegment:** 020701 **Waterbody:** Drill Hole

Site Description: Dye Run

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

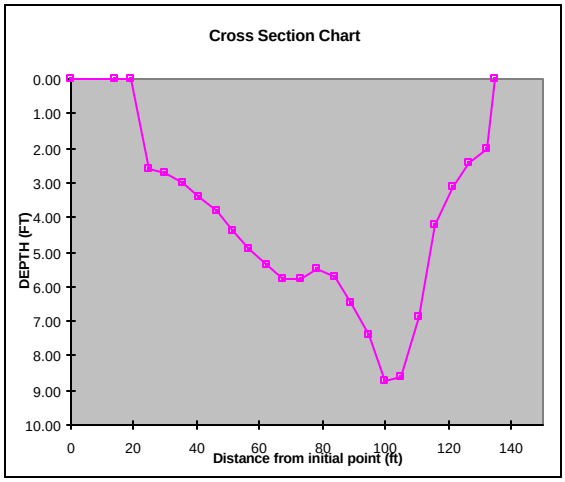
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	137.72
AREA[2] (ft^2):	549.42
AVG. DEPTH[3] (ft):	3.99

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	7.00	0.00	0.00	
2	14.0	9.68	0.00	0.00	0.00%
3	19.4	5.36	0.00	0.00	0.00%
4	24.7	5.36	2.60	13.94	2.54%
5	30.1	5.36	2.70	14.47	2.63%
6	35.4	5.36	3.00	16.08	2.93%
7	40.8	5.36	3.40	18.22	3.32%
8	46.2	5.36	3.80	20.37	3.71%
9	51.5	5.36	4.40	23.58	4.29%
10	56.9	5.36	4.90	26.26	4.78%
11	62.2	5.36	5.40	28.94	5.27%
12	67.6	5.36	5.80	31.09	5.66%
13	73.0	5.36	5.80	31.09	5.66%
14	78.3	5.36	5.50	29.48	5.37%
15	83.7	5.36	5.70	30.55	5.56%
16	89.0	5.36	6.50	34.84	6.34%
17	94.4	5.36	7.40	39.66	7.22%
18	99.8	5.36	8.70	46.63	8.49%
19	105.1	5.36	8.60	46.10	8.39%
20	110.5	5.36	6.90	36.98	6.73%
21	115.8	5.36	4.20	22.51	4.10%
22	121.2	5.36	3.10	16.62	3.02%
23	126.6	6.90	2.40	16.56	3.01%
23	132.0	2.72	2.00	5.44	0.99%
24	135.0	4.22	0.00	0.00	0.00%
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	137.72		549.42	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Brignac, Hughes, Schwartz	Data Inputed by / D: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: X-Sect BB3 Dye **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: S.ern opening to Bayou Bardeaux

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

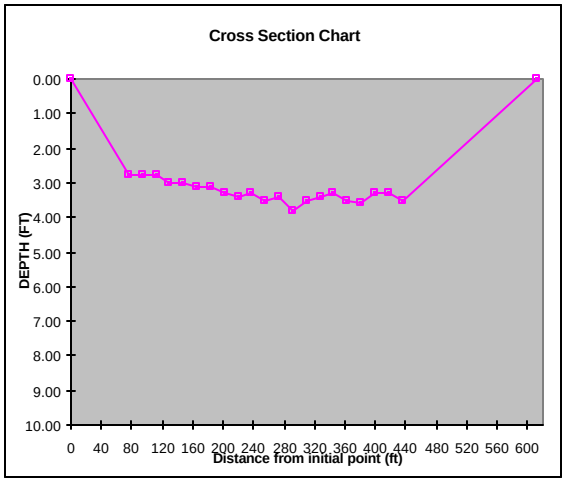
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	612.00
AREA[2] (ft^2):	1592.77
AVG. DEPTH[3] (ft):	2.60

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	38.00	0.00	0.00	
2	76.0	46.98	2.80	131.53	8.26%
3	94.0	17.95	2.80	50.26	3.16%
4	111.9	17.95	2.80	50.26	3.16%
5	129.9	17.95	3.00	53.85	3.38%
6	147.8	17.95	3.00	53.85	3.38%
7	165.8	17.95	3.10	55.65	3.49%
8	183.7	17.95	3.10	55.65	3.49%
9	201.7	17.95	3.30	59.24	3.72%
10	219.6	17.95	3.40	61.03	3.83%
11	237.6	17.95	3.30	59.24	3.72%
12	255.5	17.95	3.50	62.83	3.94%
13	273.5	17.95	3.40	61.03	3.83%
14	291.4	17.95	3.80	68.21	4.28%
15	309.4	17.95	3.50	62.83	3.94%
16	327.3	17.95	3.40	61.03	3.83%
17	345.3	17.95	3.30	59.24	3.72%
18	363.2	17.95	3.50	62.83	3.94%
19	381.2	17.95	3.60	64.62	4.06%
20	399.1	17.95	3.30	59.24	3.72%
21	417.1	17.95	3.30	59.24	3.72%
22	435.0	97.48	3.50	341.16	21.42%
23	612.0	88.50	0.00	0.00	0.00%
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	612.00		1592.77	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Brignac, Hughes, Schwartz	Data Inputed by / Date: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: X-Sect BB3a Dye **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: Small canal just North of BB3

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

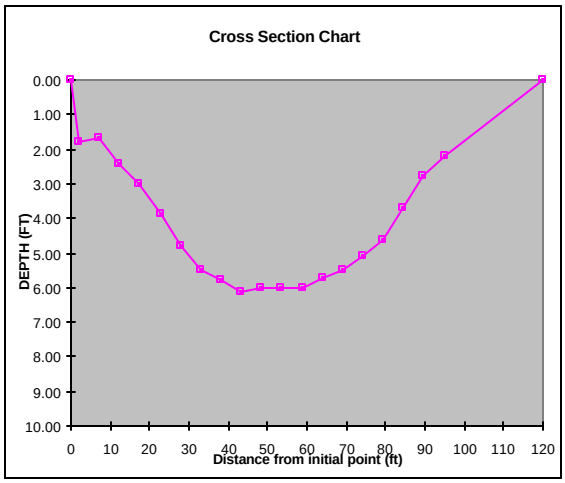
Tapedown:

Guage Height:

Date: 5/21/03

WIDTH[1] (ft):	120.00
AREA[2] (ft^2):	445.50
AVG. DEPTH[3] (ft):	3.71

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	1.00	0.00	0.00	
2	2.0	3.58	1.80	6.44	1.45%
3	7.2	5.16	1.70	8.77	1.97%
4	12.3	5.16	2.40	12.38	2.78%
5	17.5	5.16	3.00	15.48	3.47%
6	22.6	5.16	3.90	20.12	4.52%
7	27.8	5.16	4.80	24.77	5.56%
8	33.0	5.16	5.50	28.38	6.37%
9	38.1	5.16	5.80	29.93	6.72%
10	43.3	5.16	6.10	31.48	7.07%
11	48.4	5.16	6.00	30.96	6.95%
12	53.6	5.16	6.00	30.96	6.95%
13	58.8	5.16	6.00	30.96	6.95%
14	63.9	5.16	5.70	29.41	6.60%
15	69.1	5.16	5.50	28.38	6.37%
16	74.2	5.16	5.10	26.32	5.91%
17	79.4	5.16	4.60	23.74	5.33%
18	84.6	5.16	3.70	19.09	4.29%
19	89.7	5.22	2.80	14.62	3.28%
20	95.0	15.14	2.20	33.31	7.48%
22	120.0	12.50	0.00	0.00	0.00%
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	120.00		445.50	100.00%



Data Collection Crew		Office Data Work
Measurement made by:	Jones, Brignac, Hughes, Schwartz	Data Inputed by / Date: Jones 5-27-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:
Other:		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: OCC 1 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: 0.4 miles from Segnette

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

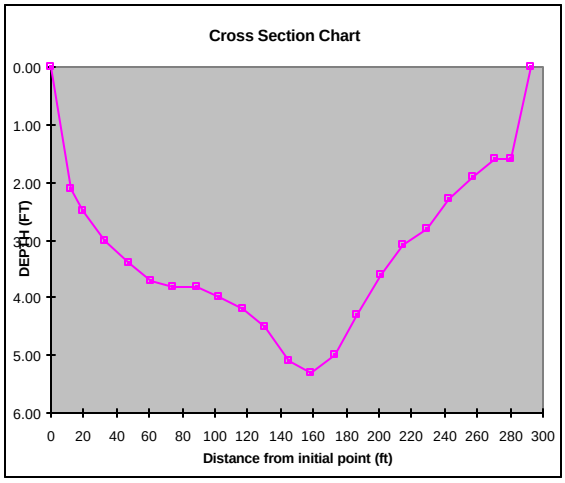
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	293.00
AREA[2] (ft^2):	976.20
AVG. DEPTH[3] (ft):	3.33

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	6.00	0.00	0.00	
2	12.0	9.50	2.10	19.95	2.04%
3	19.0	10.50	2.50	26.25	2.69%
4	33.0	14.00	3.00	42.00	4.30%
5	47.0	14.00	3.40	47.60	4.88%
6	61.0	14.00	3.70	51.80	5.31%
7	75.0	14.00	3.80	53.20	5.45%
8	89.0	14.00	3.80	53.20	5.45%
9	103.0	14.00	4.00	56.00	5.74%
10	117.0	14.00	4.20	58.80	6.02%
11	131.0	14.00	4.50	63.00	6.45%
12	145.0	14.00	5.10	71.40	7.31%
13	159.0	14.00	5.30	74.20	7.60%
14	173.0	14.00	5.00	70.00	7.17%
15	187.0	14.00	4.30	60.20	6.17%
16	201.0	14.00	3.60	50.40	5.16%
17	215.0	14.00	3.10	43.40	4.45%
18	229.0	14.00	2.80	39.20	4.02%
19	243.0	14.00	2.30	32.20	3.30%
20	257.0	14.00	1.90	26.60	2.72%
21	271.0	12.00	1.60	19.20	1.97%
	281.0	11.00	1.60	17.60	
23	293.0	6.00	0.00	0.00	0.00%
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	293.00		976.20	98.20%



Data Collection Crew		Office Data Work	
Measurement made by:	Stone Dickinson Griffith	Data Inputed by / Date:	Stone 5/27/03
Notetaker/Recorder:	Stone	Data Input Checked by / Date:	Griffith 5/27/03
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: UCA 1 **Subsegment:** 020701 **Waterbody:** Bayou Segnette

Site Description: .4 mile E of Segnette

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

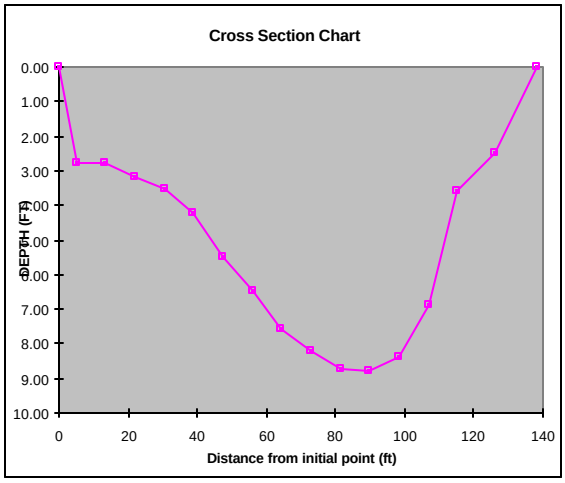
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	138.00
AREA[2] (ft^2):	712.02
AVG. DEPTH[3](ft):	5.16

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	2.50	0.00	0.00	
2	5.0	6.74	2.80	18.87	2.65%
3	13.5	8.48	2.80	23.74	3.33%
4	22.0	8.48	3.20	27.14	3.81%
5	30.4	8.48	3.50	29.68	4.17%
6	38.9	8.48	4.20	35.62	5.00%
7	47.4	8.48	5.50	46.64	6.55%
8	55.9	8.48	6.50	55.12	7.74%
9	64.4	8.48	7.60	64.45	9.05%
10	72.8	8.48	8.20	69.54	9.77%
11	81.3	8.48	8.70	73.78	10.36%
12	89.8	8.48	8.80	74.62	10.48%
13	98.3	8.48	8.40	71.23	10.00%
14	106.8	8.48	6.90	58.51	8.22%
15	115.2	9.62	3.60	34.63	4.86%
16	126.0	11.38	2.50	28.45	4.00%
17	138.0	6.00	0.00	0.00	0.00%
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	138.00		712.02	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Stone, Dickinson, Griffith	Data Inputed by / Date:	Stone 5-27-03
Notetaker/Recorder:	Stone	Data Input Checked by / Date:	Griffith 5-27-03
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: MC-1 **Subsegment:** 020701 **Waterbody:** Millaudon Canal

Site Description: 0.4 miles Northeast of opening to Bayou Segnette

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

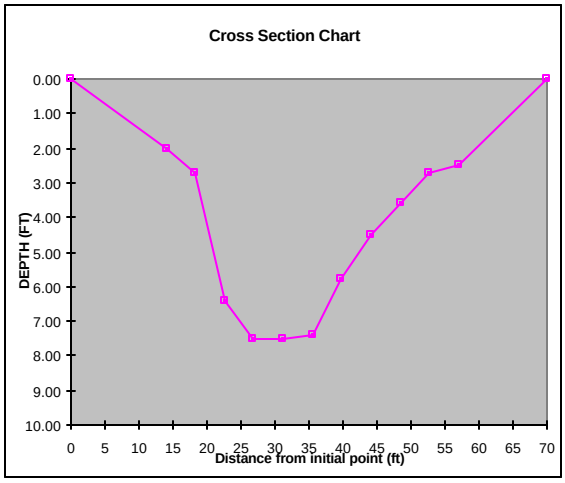
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	70.00
AREA[2] (ft^2):	246.76
AVG. DEPTH[3](ft):	3.53

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	7.00	0.00	0.00	
2	14.0	9.15	2.00	18.30	7.42%
3	18.3	4.30	2.70	11.61	4.71%
4	22.6	4.30	6.40	27.52	11.15%
5	26.9	4.30	7.50	32.25	13.07%
6	31.2	4.30	7.50	32.25	13.07%
7	35.5	4.30	7.40	31.82	12.90%
8	39.8	4.30	5.80	24.94	10.11%
9	44.1	4.30	4.50	19.35	7.84%
10	48.4	4.30	3.60	15.48	6.27%
11	52.7	4.30	2.70	11.61	4.71%
12	57.0	8.65	2.50	21.63	8.76%
13	70.0	6.50	0.00	0.00	0.00%
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	70.00		246.76	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Butler	Data Inputed by / Date:	LaFleur 6/6/03
Notetaker/Recorder:	Savant	Data Input Checked by / Date:	Savant 6/6/03
Other:	LaFleur		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area column
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: TC-1 **Subsegment:** 020701 **Waterbody:** Tarpaper Canal

Site Description: 0.4 miles East of opening to Bayou Segnette

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

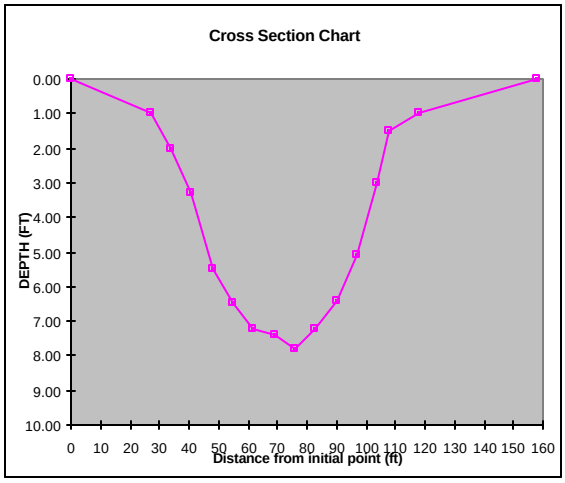
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	158.00
AREA[2] (ft^2):	477.30
AVG. DEPTH[3] (ft):	3.02

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	13.50	0.00	0.00	
2	27.0	17.00	1.00	17.00	3.56%
3	34.0	7.00	2.00	14.00	2.93%
4	41.0	7.00	3.30	23.10	4.84%
5	48.0	7.00	5.50	38.50	8.07%
6	55.0	7.00	6.50	45.50	9.53%
7	62.0	7.00	7.20	50.40	10.56%
8	69.0	7.00	7.40	51.80	10.85%
9	76.0	7.00	7.80	54.60	11.44%
10	83.0	7.00	7.20	50.40	10.56%
11	90.0	7.00	6.40	44.80	9.39%
12	97.0	7.00	5.10	35.70	7.48%
13	104.0	5.25	3.00	15.75	3.30%
14	107.5	7.00	1.50	10.50	2.20%
15	118.0	25.25	1.00	25.25	5.29%
16	158.0	20.00	0.00	0.00	0.00%
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	158.00		477.30	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Savant	Data Inputed by / Date:	LaFleur 6/6/03
Notetaker/Recorder:	Butler	Data Input Checked by / Date:	Savant 6/6/03
Other:	LaFleur		

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

STREAM CROSS-SECTION SPREADSHEET

Site Number: PC1 **Subsegment:** 020701 **Waterbody:** Pipeline Canal

Site Description: Pipeline Canal

Type of Equipment: ● Fathometer ● Hydrotrac ● Manual

Initial Bank: ● RDB ● LDB

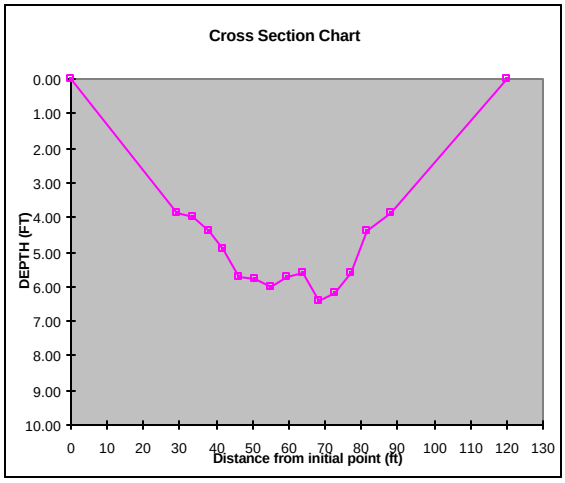
Tapedown:

Guage Height:

Date: 5/20/03

WIDTH[1] (ft):	120.00
AREA[2] (ft^2):	427.82
AVG. DEPTH[3](ft):	3.57

Subsection	Distance from initial point (ft)	Width[4] (ft)	Depth (ft)	Area[5] (sq.ft.)	Area of element as % of Total Area[6&7]
1	0.0	14.50	0.00	0.00	
2	29.0	16.69	3.90	65.07	15.21%
3	33.4	4.37	4.00	17.48	4.09%
4	37.7	4.37	4.40	19.23	4.49%
5	42.1	4.37	4.90	21.41	5.01%
6	46.5	4.37	5.70	24.91	5.82%
7	50.9	4.37	5.80	25.35	5.92%
8	55.2	4.37	6.00	26.22	6.13%
9	59.6	4.37	5.70	24.91	5.82%
10	64.0	4.37	5.60	24.47	5.72%
11	68.3	4.37	6.40	27.97	6.54%
12	72.7	4.37	6.20	27.09	6.33%
13	77.1	4.37	5.60	24.47	5.72%
14	81.4	5.47	4.40	24.05	5.62%
15	88.0	19.28	3.90	75.19	17.58%
16	120.0	16.00	0.00	0.00	0.00%
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
	Total	120.00		427.82	100.00%



Data Collection Crew		Office Data Work	
Measurement made by:	Jones, Hughes, Schwartz., Brignac	Data Inputed by / Date:	Brignac 5-26-03
Notetaker/Recorder:	Brignac	Data Input Checked by / Date:	
Other:			

Note 1: WIDTH (ft) = sum of the width column
Note 2: AREA (sq.ft.) = sum of the area columr
Note 3: AVG. DEPTH (ft) = area/width (using the values from this table)
Note 4: Width of element
Note 5: Area=Width*Depth for element
Note 6: Percent area = element area/total area x 100%
Note 7: Percent area should be less than 10% as per USGS standard.
Note 8: Blank fields are cleared from all calculations.
Note 9: The cross sections are taken at areas representative of the stream.

APPENDIX B6

Velocity and Flow Information

TABLE B6.1. DROGUE VELOCITIES FOR BAYOU SEGNETTE

Distances and times are from LDEQ field sheets

			Left Side			Middle			Right Side		
Station	**Date**	**Time**	**Distance (feet)**	**Time (minutes)**	**Velocity (ft/sec)**	**Distance (feet)**	**Time (minutes)**	**Velocity (ft/sec)**	**Distance (feet)**	**Time (minutes)**	**Velocity (ft/sec)**
Side channels (May 21):											
OCC1	05/21/03	11:18	0.0	10.00	0.00	0.0	10.00	0.00	0.0	10.00	0.00
UCA1	05/21/03	10:36				73.4	11.08	0.11			
MC1	05/21/03	12:00				41.0	3.22	0.21			
TC1	05/21/03	12:30				35.0	1.47	0.40			
PC1	05/21/03	11:00				106.8	3.83	0.46			
Side channels (May 22):											
OCC1	05/22/03	10:15	11.7	10.00	0.02	192.6	16.25	0.20	102.0	9.58	0.18
UCA1	05/22/03	08:50				128.3	11.53	0.19			
MC1	05/22/03	10:20				0.0	10.00	0.00			
TC1	05/22/03	10:25				68.8	4.00	0.29			
PC1	05/22/03	09:50				77.0	4.00	0.32			
Main stem (May 22):											
BS1	05/22/03	11:35	133.8	16.83	0.13	66.3	9.88	0.11	69.3	11.33	0.10
BS2	05/22/03	10:55	107.1	11.17	0.16	75.4	7.83	0.16	-39.0	11.08	-0.06
BS3	05/22/03	11:30				94.1	8.92	0.18			
BS4	05/22/03	10:50	-169.0	12.00	-0.23	-33.0	12.00	-0.05	46.5	12.00	0.06
BS5	05/22/03	11:35	88.0	10.00	0.15	143.0	10.00	0.24	126.0	10.00	0.21
BS6	05/22/03	11:55	75.3	9.00	0.14	103.7	9.00	0.19	167.1	9.00	0.31

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\DROGUE_CALCS_SEGNETTE.XLS

Table B6.2. Acoustic Doppler Flow Measurement at BS-7

File Name	Total Q [ft³/s]	Start Bank	Left Dist. [ft]	Left Q [ft³/s]	Top Q [ft³/s]	Meas. Q [ft³/s]	Bottom Q [ft³/s]	Right Dist. [ft]	Right Q [ft³/s]	Total Area [ft²]	Width [ft]	Flow Speed [ft/s]	Left Vel. [ft/s]	Left Depth [ft]	Left Area [ft²]	Right Vel. [ft/s]	Right Depth [ft]	Right Area [ft²]
BS705210320030521110047_000r.000	260.185	Left	70	20.733	59.411	163.928	13.418	70	2.694	745.6	218.11	0.486	0.222	3.77	132.08	0.028	3.85	134.86
BS705210320030521110417_000r.000	290.943	Right	70	24.639	57.669	159.514	12.246	70	36.874	821.7	217.29	0.506	0.2	4.98	174.34	0.319	4.67	163.44
BS705210320030521110939_000r.000	241.727	Left	70	9.077	57.859	145.338	12.413	70	17.04	828.42	236.92	0.43	0.088	4.16	145.6	0.203	3.39	118.82
BS705210320030521111506_000r.000	303.754	Right	70	26.244	65.23	171.193	14.429	70	26.658	831.5	228.03	0.522	0.248	4.28	149.73	0.257	4.19	146.72
Average	274.152			20.173	60.042	159.993	13.127		20.817	806.8	225.09	0.486	0.19	4.3	150.44	0.202	4.03	140.96
Std. Dev.	28.312			7.751	3.545	10.892	1.011		14.545	41	9.27	0.04	0.07	0.5	17.63	0.125	0.54	18.85
Std./| Avg.|	0.1			0.38	0.06	0.07	0.08		0.7	0.05	0.04	0.08	0.37	0.12	0.12	0.62	0.13	0.13

Time: 11:00
Date: 05/21/03

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\BS-7_ADCP.XLS

Table B6.3. Results of Dye Study for Bayou Segnette (Subsegment 020701)

Sample ID	Date / Time	Measured dye conc. (ppb)	Easting	Northing	Distance downstream of injection location (m)	"Width" of area under curve (m)	Area under curve (m * ppb)	Horizontal centroid of area under curve (m)	Horizontal moment about X=0 (m2 * ppb)
Injection	05/21/03 09:17		775149	3299328					
RUN 1									
01run1	05/21/03 13:18	0.47	775210	3299133	204	59	28	234	6557
02run1	05/21/03 13:21	2.14	775244	3299019	323	82	176	305	53603
03run1	05/21/03 13:22	4.03	775255	3298975	369	51	206	371	76432
04run1	05/21/03 13:23	5.55	775269	3298920	425	51	284	423	120041
05run1	05/21/03 13:24	18.40	775281	3298876	471	57	1058	477	504525
06run1	05/21/03 13:26	42.70	775299	3298809	540	64	2746	538	1476732
07run1	05/21/03 13:27	61.20	775311	3298751	600	54	3283	597	1959182
08run1	05/21/03 13:29	84.40	775321	3298704	648	55	4644	651	3023555
09run1	05/21/03 13:30	61.50	775340	3298645	710	63	3891	710	2763328
10run1	05/21/03 13:31	20.30	775354	3298582	774	52	1063	768	816534
11run1	05/21/03 13:32	2.12	775358	3298542	814	23	49	806	39165
12run1	05/21/03 13:35	1.44	775362	3298538	820	31	45	833	37277
13run1	05/21/03 13:37	0.00	775375	3298483	877	51	0	874	0
14run1	05/21/03 13:38	0.00	775384	3298439	921	22	0	910	0
Median =	05/21/03 13:28		Location of center of mass =		623	sum =	17470	sum =	10876931
Elapsed time (hrs) = 4.18									
Avg velocity (since injection) =		0.04 m/sec	=	0.14 ft/sec					
RUN 2									
01run2	05/21/03 19:29	0.55	775185	3299266	72	25	14	84	1163
02run2	05/21/03 19:30	1.05	775202	3299219	122	80	84	137	11470
03run2	05/21/03 19:32	0.26	775231	3299113	232	88	23	221	5077
04run2	05/21/03 19:34	2.31	775247	3299048	299	61	140	295	41398
05run2	05/21/03 19:35	4.75	775263	3298996	353	52	249	352	87639
06run2	05/21/03 19:36	8.22	775275	3298947	403	58	474	407	192691
07run2	05/21/03 19:37	10.90	775290	3298884	468	64	698	468	326531
08run2	05/21/03 19:39	18.90	775307	3298823	531	72	1358	536	727672
09run2	05/21/03 19:40	19.80	775322	3298744	612	82	1620	613	992183
10run2	05/21/03 19:42	22.50	775341	3298663	695	87	1962	697	1367736
11run2	05/21/03 19:43	22.80	775365	3298575	786	80	1817	781	1418026
12run2	05/21/03 19:45	14.00	775382	3298509	854	57	795	849	674364
13run2	05/21/03 19:46	9.84	775393	3298465	900	50	491	902	442950
14run2	05/21/03 19:47	14.60	775400	3298411	954	74	1073	964	1034399
15run2	05/21/03 19:49	10.00	775417	3298320	1047	81	805	1041	837936
16run2	05/21/03 19:50	6.89	775431	3298253	1115	69	472	1115	526792
17run2	05/21/03 19:52	1.02	775446	3298186	1184	62	63	1181	74645
19run2	05/21/03 19:53	0.27	775458	3298132	1239	88	24	1256	30006
20run2	05/21/03 19:55	0.30	775482	3298014	1360	108	32	1353	43839
21run2	05/21/03 19:57	0.00	775499	3297920	1455	48	0	1431	0
Median =	05/21/03 19:43		Location of center of mass =		725	sum =	12194	sum =	8836517
Elapsed time (hrs) = 10.43									
Avg velocity (since injection) =		0.02 m/sec	=	0.06 ft/sec					

Table B6.3. Results of Dye Study for Bayou Segnette (Subsegment 020701)

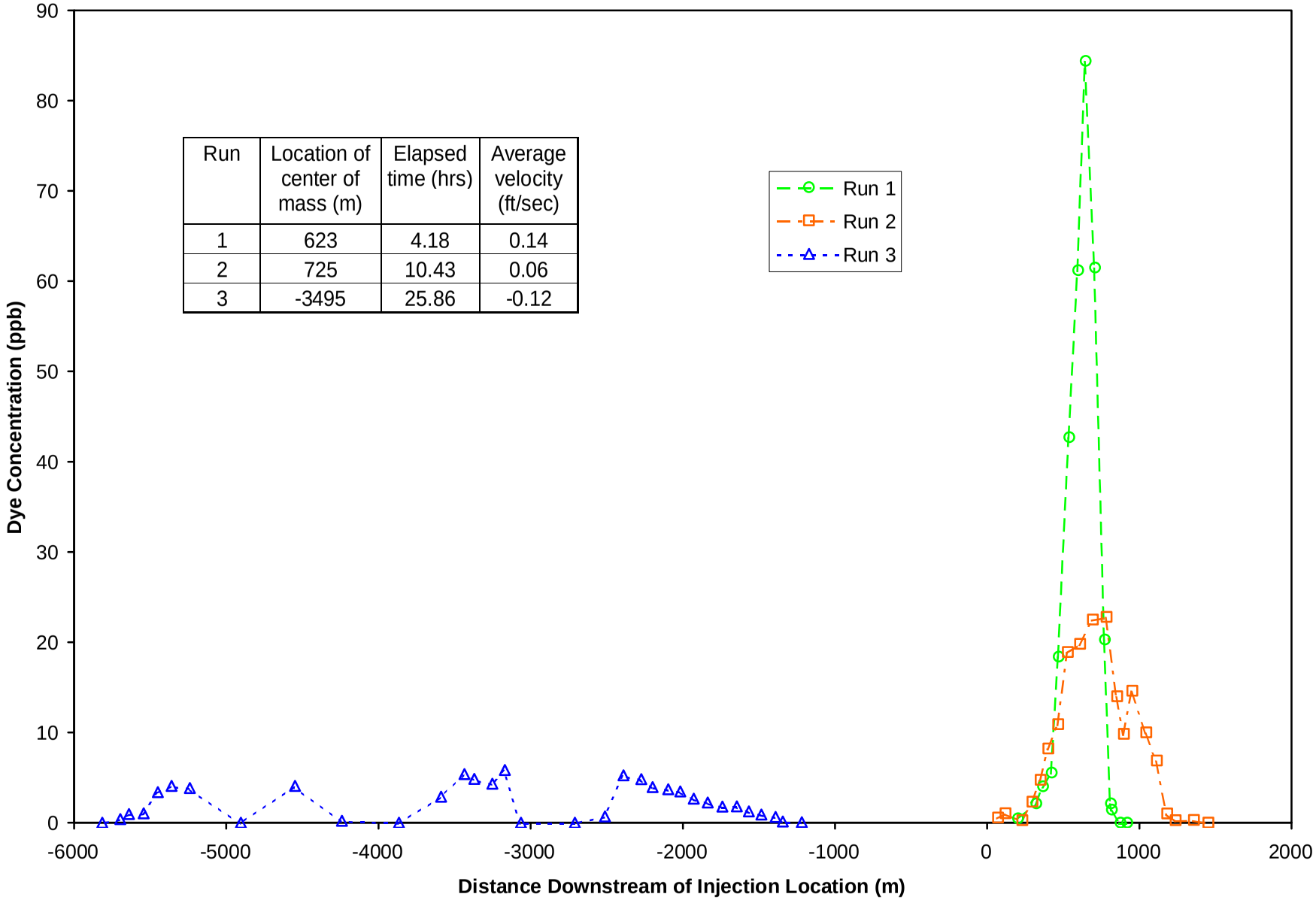
Sample ID	Date / Time	Measured dye conc. (ppb)	Easting	Northing	Distance downstream of injection location (m)	"Width" of area under curve (m)	Area under curve (m * ppb)	Horizontal centroid of area under curve (m)	Horizontal moment about X=0 (m2 * ppb)
RUN 3									
01run3	05/22/03 10:44	0.05	774802	3300496	-1218	-62	3	-1249	-3866
02run3	05/22/03 10:46	0.14	774768	3300615	-1342	-86	12	-1323	-16373
03run3	05/22/03 10:47	0.64	774754	3300661	-1390	-71	45	-1402	-62980
04run3	05/22/03 10:48	0.92	774727	3300750	-1483	-88	80	-1481	-118863
05run3	05/22/03 10:49	1.25	774707	3300830	-1566	-81	101	-1565	-158326
06run3	05/22/03 10:51	1.82	774684	3300906	-1645	-87	158	-1649	-261168
06.5run3	05/22/03 10:52	1.78	774658	3300997	-1740	-96	170	-1740	-295989
07run3	05/22/03 10:53	2.25	774629	3301089	-1836	-94	211	-1835	-387995
08run3	05/22/03 10:55	2.67	774604	3301177	-1928	-91	242	-1927	-465806
09run3	05/22/03 10:56	3.47	774579	3301263	-2017	-84	292	-2015	-588653
10run3	05/22/03 10:58	3.71	774558	3301339	-2096	-90	335	-2102	-704484
11run3	05/22/03 11:00	3.94	774527	3301436	-2198	-88	348	-2191	-761742
12run3	05/22/03 11:01	4.82	774504	3301507	-2273	-96	463	-2283	-1056963
13run3	05/22/03 11:03	5.26	774472	3301620	-2390	-119	628	-2391	-1501544
14run3	05/22/03 11:04	0.69	774361	3301669	-2511	-160	111	-2531	-280516
32run3	05/22/03 11:48	0.00	774164	3301690	-2710	-276	0	-2748	0
15run3	05/22/03 11:07	0.00	774517	3301709	-3063	-230	0	-3001	0
17run3	05/22/03 11:09	5.85	774433	3301774	-3169	-95	553	-3163	-1749605
18run3	05/22/03 11:10	4.31	774405	3301852	-3252	-100	432	-3261	-1409589
19run3	05/22/03 11:12	4.86	774372	3301965	-3370	-91	444	-3357	-1489881
20run3	05/22/03 11:14	5.39	774308	3301976	-3435	-109	587	-3457	-2030823
21run3	05/22/03 11:16	2.88	774155	3301980	-3588	-215	619	-3619	-2241200
23.5run3	05/22/03 11:22	0.00	774432	3301984	-3865	-326	0	-3890	0
22run3	05/22/03 11:17	0.22	774057	3302005	-4240	-341	73	-4223	-310009
24run3	05/22/03 11:24	4.08	774364	3302017	-4548	-332	1355	-4560	-6179360
23run3	05/22/03 11:18	0.00	774007	3302021	-4905	-346	0	-4899	0
25run3	05/22/03 11:26	3.83	774327	3302120	-5240	-227	870	-5186	-4513698
26run3	05/22/03 11:28	4.07	774291	3302234	-5359	-105	427	-5352	-2283721
27run3	05/22/03 11:30	3.39	774264	3302320	-5449	-92	310	-5450	-1691863
28run3	05/22/03 11:31	1.05	774237	3302409	-5542	-95	100	-5544	-555317
29run3	05/22/03 11:33	0.96	774210	3302503	-5640	-77	74	-5630	-418791
30run3	05/22/03 11:34	0.40	774195	3302558	-5697	-88	35	-5713	-200636
31run3	05/22/03 11:37	0.00	774166	3302673	-5816	-59	0	-5786	0
Median =	05/22/03 11:09		Location of center of mass =		-3495	sum =	9082	sum =	-31739762

Elapsed time (hrs) = 25.86

Avg velocity (since injection) = -0.04 m/sec = -0.12 ft/sec

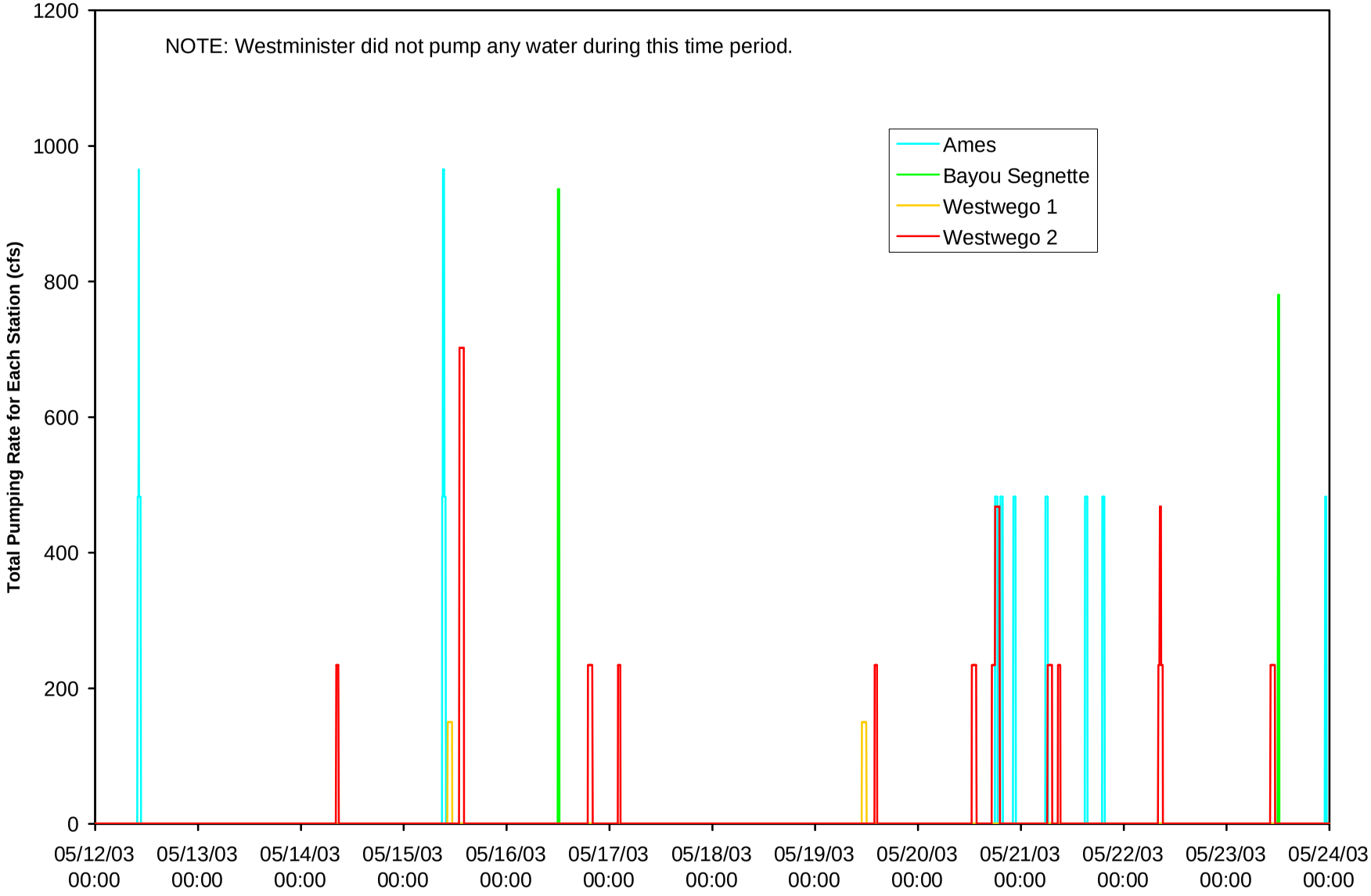
FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\SEG_DYE.XLS

Figure B6.1. Results of Bayou Segnette Dye Study on May 21-22, 2003



Run	Location of center of mass (m)	Elapsed time (hrs)	Average velocity (ft/sec)
1	623	4.18	0.14
2	725	10.43	0.06
3	-3495	25.86	-0.12

Figure B6.2. Water Pumped Into Bayou Segnette From Each Pump Station



APPENDIX C

LA-QUAL Vector Diagram

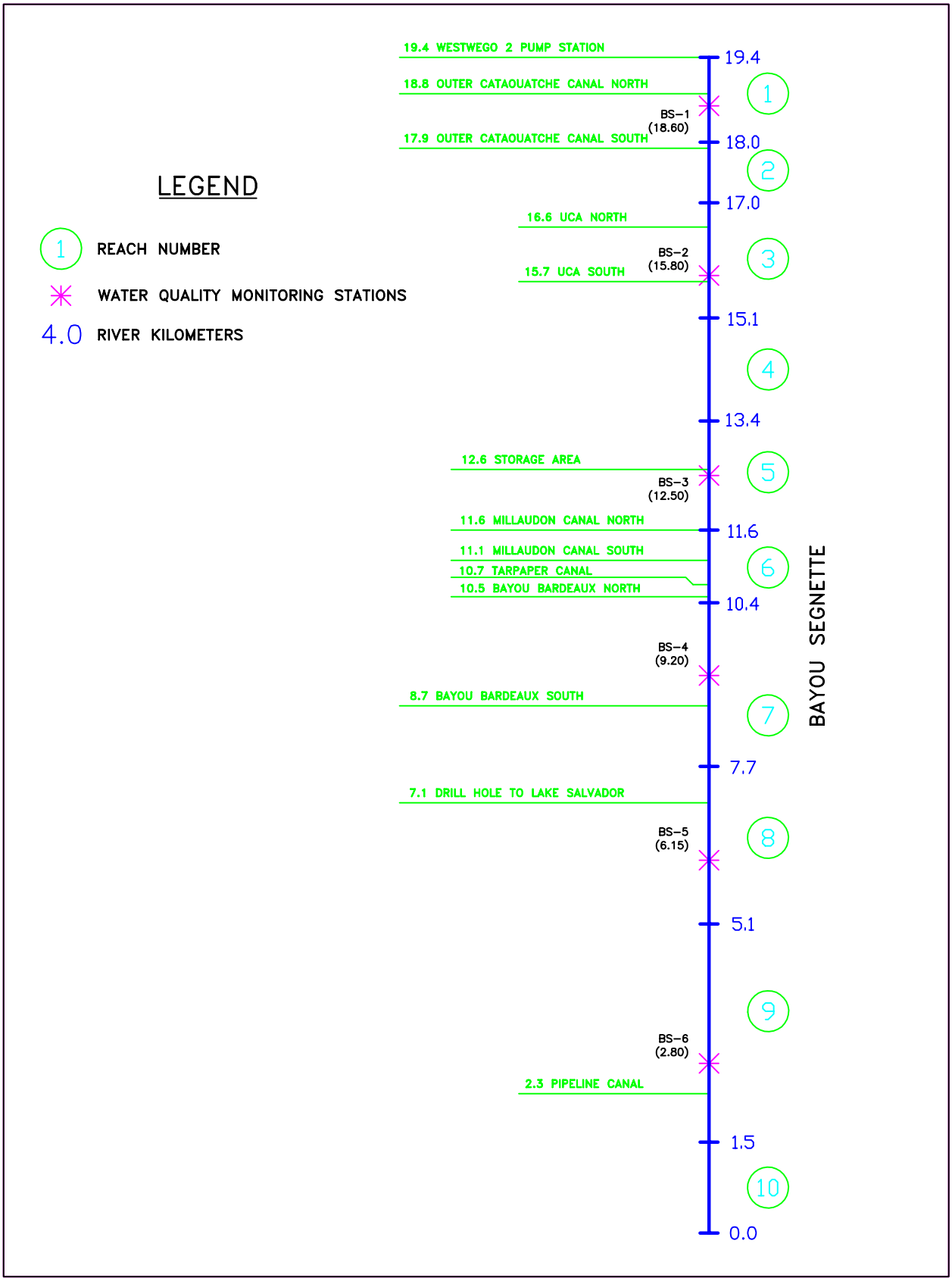


Figure C.1. Vector diagram for Bayou Segnette LA-QUAL model.

APPENDIX D

Model Inputs for Calibration

Table D.1 Wind Aided Reaeration for Bayou Segnette Calibration

Wind Aided Reaeration Coefficient Equation (Eq.3-23 from Rates, Constants, and Kinetics publication)

$K_{L\ with\ wind} = K_{L\ without\ wind}\ [1+(0.2395V_w^{1.643})]$ **Equation 1**

V_w = wind velocity in meters per second
K_2 = reaeration in 1/day that does not account for wind effects. For Louisiana equation use K_2 = 0.664/D.
D = depth in meters
$K_L = K_2 * D$ (=oxygen transfer coefficient "a" in model)

Formula to correct wind speed for elevation (obtained from LDEQ):

$V_{w@\ height\ z} = V_{w@\ height\ s}\ [(z/s)^{0.143}]$ **Equation 2**

CALCULATIONS FOR CALIBRATION PERIOD:

Calibration Period: May 22, 2003

Station	Average Wind Speed (knots)	Average Wind Speed (m/s)	Height of Wind Measurement (m)	Height for Calculating Wind-Aided K_L (m)	Wind Speed at Surface using Eqn 2 (m/s)	K_L without wind (m/day)	K_L with wind using Eqn 1 (m/day)
New Orleans Intl. Airport	10.4	5.4	10	0.1	2.8	0.664	1.51

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\WIND_SPEED.XLS

BAYOU SEGNETTE MODEL INPUTS FOR CALIBRATION

Table D.2. Calibration Inputs for Hydraulics (Data Types 9 and 10).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
Width coefficient, a	all	0	Set to zero because changes in flow rate between calibration and projection are assumed to cause negligible changes in width.
Width exponent, b	all	0	
Width constant, c	1 – 3	96.6	Average of BS-1, BS-2, and XS-2 widths
	4	112.2	XS-3 width
	5	128.0	BS-3 width
	6	162.1	XS-4 width
	7	68.3	BS-4 width
	8	88.0	Average of 3 dye dump cross section widths for run 1 and BS-5 width
	9	78.2	BS-6 width
	10	68.6	Width measured by acoustic doppler at BS-7
Depth coefficient, d	all	0	Set to zero because changes in flow rate between calibration and projection are assumed to cause negligible changes in depth.
Depth exponent, e	all	0	
Depth constant, f	1 – 3	1.26	Average of BS-1, BS-2, and XS-2 depths
	4	0.96	XS-3 depth
	5	0.97	BS-3 depth
	6	1.12	XS-4 depth
	7	0.83	BS-4 depth
	8	0.90	Average of depths from cross sections 1 and 2 from run 1 dye dump and BS5 depth
	9	1.14	Average of depth of cross section 3 from run 1 dye dump and BS6 depth
	10	1.09	Based on XS area (807 ft^2) and width (225 ft) from acoustic doppler measurement at BS-7
Dispersion coefficient (m^2/sec)	1 – 6	8	Estimated through calibration of conductivity and chloride and from previous experience in similar waterbodies.
	7	11	
	8	14	
	9	17	
	10	20	

Table D.3. Calibration Inputs for Initial Conditions (Data Type 11).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
Temperature (deg C)	1 – 3	27.1	Average of BS1 and BS2
	4	27.0	Average of Reaches 3 and 5
	5	26.9	Temperature for BS3
	6	27.0	Average of Reaches 5 and 7
	7	27.2	Temperature for BS4
	8	27.2	Temperature for BS5
	9 – 10	26.8	Temperature for BS6
Salinity (ppt)	1 – 3	0.36	Average of BS1 and BS2
	4	0.37	Average of Reaches 3 and 5
	5	0.37	Salinity for BS3
	6	0.51	Average of Reaches 5 and 7
	7	0.64	Salinity for BS4
	8	1.04	Salinity for BS5
	9 – 10	0.83	Salinity for BS6
DO (mg/L)	1	2.60	Daily min + 1 mg/L for BS-1 on May 22
	2	2.82	Average of reaches 1 and 3
	3	3.05	Daily min + 1 mg/L for BS-2 on May 22
	4	4.15	Average of reaches 3 and 5
	5	5.30	Daily min + 1 mg/L for BS-3 on May 22
	6	5.30	Average of reaches 5 and 7
	7	5.30	Daily min + 1 mg/L for BS-4 on May 22
	8	5.07	Estim. daily average for BS-5 on May 22
	9 – 10	3.34	Daily average for BS-6 on May 22

Table D.4. Calibration Inputs for Kinetic Coefficients (Data Types 12, 13, and 15).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
Reaeration option	all	15	Louisiana equation was used because it has been developed for Louisiana streams and used successfully for Louisiana TMDLs.
Surface transfer coefficient for reaeration (m/day)	all	1.51	Calculated based on wind speed from New Orleans International airport for May 22 (see Table D.1)
CBODu decay rate (1/day)	1 – 2	0.07	Averages of bottle decay rates for sampling stations located along each section of the bayou (see Appendix F?)
	3	0.06	
	4 – 10	0.06	
NBODu decay rate (1/day)	1 – 2	0.25	Averages of bottle decay rates for sampling stations located along each section of the bayou (see Appendix F?)
	3	0.13	
	4 – 10	0.11	

Table D.5. Calibration Inputs for NPS Loads (Data Types 12 and 19).

Reach	SOD ($g/m^2/day$)	CBODu mass load (kg/day)	NBODu mass load (kg/day)	Data Source / Comment
1	0.2	0	0	These values were treated as calibration parameters by adjusting them to until the model output was similar to the calibration target values.
2	1.5	0	0	
3	3.5	150	0	
4	1.5	200	0	
5	2.0	150	0	
6	1.5	0	0	
7	4.0	0	0	
8	2.5	0	0	
9	4.5	600	0	
10	3.0	200	0	

Table D.6. Calibration Inputs for Wasteloads (Data Types 24, 25, and 26).

Wasteload	Parameter name	Value used in model	Data Source / Comment
Westwego 2 Pump Station	Flow rate	0.90 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	84.4 mg/L	Measured values from sampling station PS-1 (data collected on only 1 day)
	Conductivity	718 µmhos	
	DO	0.24 mg/L	Estimated mean daily DO at PS-1 for May 22
	CBODu	19.6 mg/L	Calculated from BOD time series data at PS-1
	NBODu	39.1 mg/L	
Outer Cataouatche Canal north connection	Flow rate	-0.26 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	115 mg/L	Average of measured values at OCC-1 for May 21 and May 22
	Conductivity	609 µmhos	
	DO	5.13 mg/L	Avg of mean daily DO's at OCC-1 for May 21,22
	CBODu	11.3 mg/L	Calculated from BOD time series data at OCC-1
	NBODu	3.57 mg/L	
Outer Cataouatche Canal south connection	Flow rate	0.55 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	115 mg/L	Same as Outer Cataouatche Canal north connection
	Conductivity	609 µmhos	
	DO	5.13 mg/L	
	CBODu	11.3 mg/L	
	NBODu	3.57 mg/L	
Unnamed Canal A north connection	Flow rate	-0.31 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	154 mg/L	Average of measured values at UCA-1 for May 21 and May 22
	Conductivity	788 µmhos	
	DO	1.69 mg/L	Avg of mean daily DO's at UCA-1 for May 21,22
	CBODu	11.3 mg/L	Calculated from BOD time series data at UCA-1
	NBODu	1.88 mg/L	
Unnamed Canal A south connection	Flow rate	0.60 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	154.0 mg/L	Same as Unnamed Canal A north connection
	Conductivity	788 µmhos	
	DO	1.69 mg/L	
	CBODu	11.3 mg/L	
	NBODu	1.88 mg/L	
Storage Area	Flow rate	0.03 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	151.0 mg/L	Measured values from nearest sampling station (BS-3) for May 22 (no data for May 21).
	Conductivity	711 µmhos	
	DO	4.80 mg/L	
	CBODu	11.8 mg/L	Calculated from BOD time series data at BS-3 (nearest sampling station with BOD data)
	NBODu	2.25 mg/L	
Millaudon Canal north connection	Flow rate	0.38 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	363 mg/L	Average of measured values at MC-1 for May 21 and May 22
	Conductivity	1475 µmhos	
	DO	2.80 mg/L	Avg of mean daily DO's at MC-1 for May 21, 22
	CBODu	12.3 mg/L	Calculated from BOD time series data at MC-1
	NBODu	3.16 mg/L	
Millaudon Canal south	Flow rate	0.68 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	363 mg/L	Same as Millaudon Canal north connection

Wasteload	Parameter name	Value used in model	Data Source / Comment
connection	Conductivity	1475 µmhos	
	DO	2.80 mg/L	
	CBODu	12.3 mg/L	
	NBODu	3.16 mg/L	
Tarpaper Canal	Flow rate	0.40 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	234 mg/L	Average of measured values at TC-1 for May 21 and May 22
	Conductivity	931 µmhos	
	DO	2.59 mg/L	Avg of mean daily DO's at TC-1 for May 21, 22
	CBODu	10.9 mg/L	Calculated from BOD time series data at TC-1
	NBODu	1.78 mg/L	
Bayou Bardeaux north connection	Flow rate	-8.81 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	310 mg/L	Avg conductivity (1279) divided by average ratio of conductivity to chloride (4.13) from samples at BB-2 on May 21 and May 22
	Conductivity	1279 µmhos	Avg conductivity from continuous monitor at BB-2 during 52-hour flow averaging period
	DO	6.58 mg/L	Avg DO from continuous monitoring data at BB-2 during May 21 and May 22
	CBODu	10.9 mg/L	Calculated from BOD time series data at BB-2
	NBODu	1.98 mg/L	
Bayou Bardeaux south connection	Flow rate	6.97 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	310 mg/L	Same as Bayou Bardeaux north connection
	Conductivity	1279 µmhos	
	DO	6.58 mg/L	
	CBODu	10.9 mg/L	
	NBODu	1.98 mg/L	
Drill hole to Lake Salvador	Flow rate	0.01 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	310 mg/L	Same as Bayou Bardeaux north connection
	Conductivity	1279 µmhos	
	DO	6.58 mg/L	
	CBODu	10.9 mg/L	
	NBODu	1.98 mg/L	
Pipeline Canal	Flow rate	0.36 m^3/sec	Avg flow from UNET model (see Section 4.2.11)
	Chloride	304 mg/L	Average of measured values at PC-1 for May 21 and May 22
	Conductivity	1210 µmhos	
	DO	1.27 mg/L	Avg of mean daily DO's at PC-1 for May 21, 22
	CBODu	11.5 mg/L	Calculated from BOD time series data at PC-1
	NBODu	1.22 mg/L	

Table D.7. Calibration Inputs for Lower Boundary Conditions (Data Type 27).

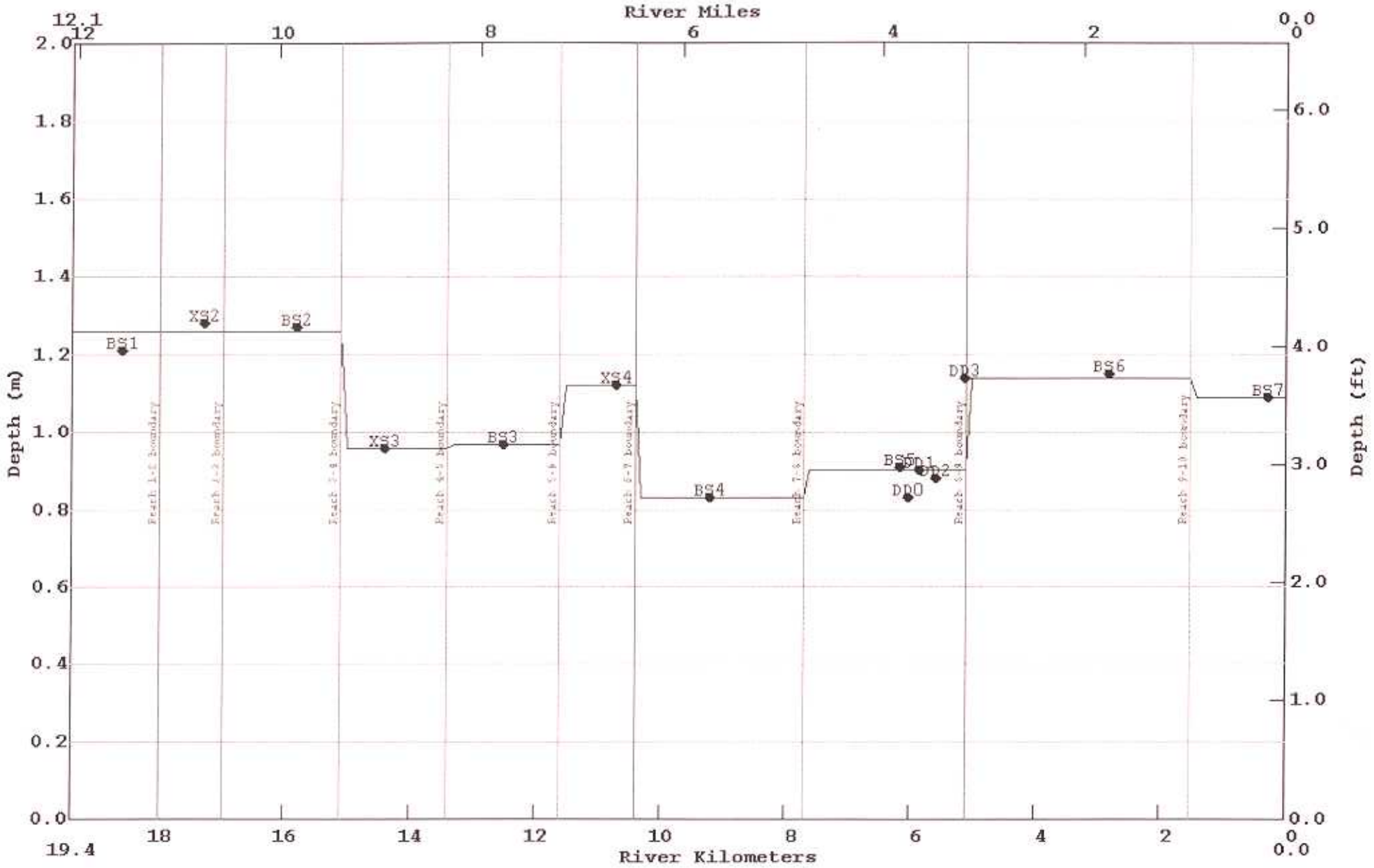
Parameter	Value used in model	Data Source / Comment
Temperature	26.9°C	Average of 2 values measured at BV-1 on May 21 and May 22
Salinity	1.83 ppt	Average of 2 values measured at BV-1 on May 21 and May 22
Chloride	939 mg/L	Average of 2 values measured at BV-1 on May 21 and May 22
Conductivity	3369 µmhos	Average of 2 values measured at BV-1 on May 21 and May 22
DO	7.31 mg/L	Average of 2 estimates of mean daily DO at BV-1 for May 21 and May 22. Each mean daily DO was estimated from an instantaneous measurement at BV-1 and continuous monitoring data from BS-6 (see Appendix H).
CBODu	6.02 mg/L	Average of 2 values calculated from BOD time series samples for BV-1 on May 21 and May 22
Chlorophyll a	0.0 µg/L	Consistent with calibration methodology (effects of chlorophyll are already considered when setting DO calibration targets)
NBODu	1.10 mg/L	Average of 2 values calculated from BOD time series samples for BV-1 on May 21 and May 22

\\Tlinux\NET\projects\3110-051\report\segnette\appendix D.doc

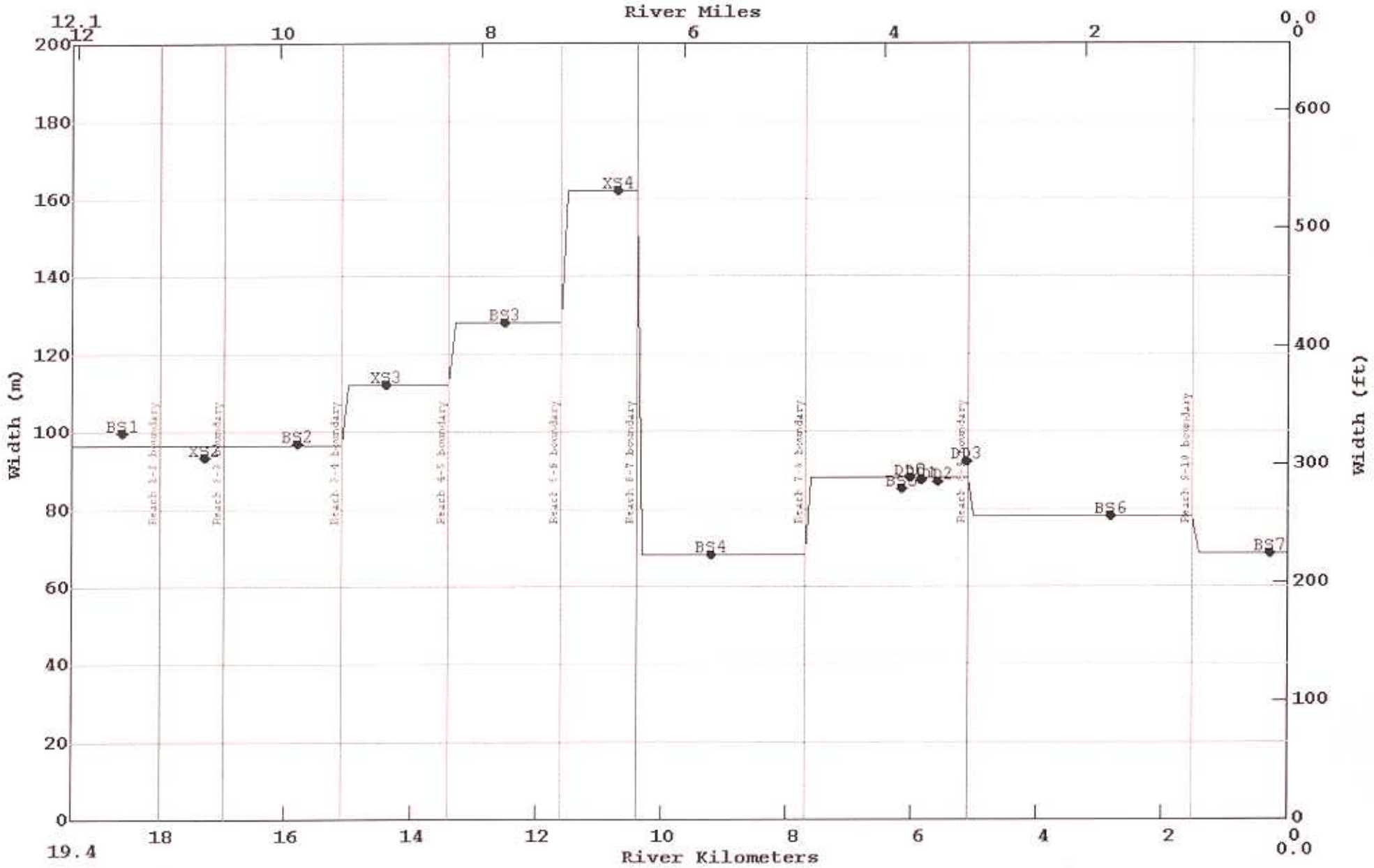
APPENDIX E

Modeled and Observed Depths and Widths

LA-QUAL Version 6.02 Run at 09:54 on 01/18/2004 File R:\projects\3110-051\la-qual\segnette\calib\seg_cal10.txt
WQ Calibration min= 0.83 max= 1.26
LA-QUAL simulation of Bayou Segnette (020701)



LA-QUAL Version 6.02 Run at 09:54 on 01/18/2004 File R:\projects\3110-051\la-qual\segnette\calib\seg_cal10.txt
WQ Calibration min= 68.30 max= 162.10
LA-QUAL simulation of Bayou Segnette (020701)



APPENDIX F

Calculation of Average Decay Rates

Calculation of Average CBOD and NBOD Decay Rates for Bayou Segnette

Reach group	Station	Sample Date	NBOD decay rate (1/day)	CBOD decay rate (1/day)	
1 - 2	PS-1	5/22/03	* 0.51	* 0.60	see notes below
1 - 2	PS-2	5/22/03	* 0.10	* 0.06	see notes below
1 - 2	PS-3	5/22/03	0.40	0.04	
1 - 2	OCC-1	5/21/03	0.10	0.09	
1 - 2	OCC-1	5/22/03	0.25	0.08	
3	BS-2	5/22/03	0.11	0.07	
3	UCA-1	5/21/03	0.10	0.06	
3	UCA-1	5/22/03	0.18	0.06	
4 - 10	BS-3	5/22/03	0.10	0.07	
4 - 10	PS-5	5/21/03	* 0.12	* 0.16	see notes below
4 - 10	MC-1	5/21/03	0.14	0.11	
4 - 10	MC-1	5/22/03	0.11	0.09	
4 - 10	TC-1	5/21/03	0.14	0.07	
4 - 10	TC-1	5/22/03	0.13	0.05	
4 - 10	BB-2	5/21/03	0.09	0.07	
4 - 10	BB-2	5/22/03	0.10	0.08	
4 - 10	BS-4	5/22/03	0.10	0.06	
4 - 10	BS-5	5/22/03	0.10	0.05	
4 - 10	BS-6	5/22/03	0.13	0.04	
4 - 10	PC-1	5/21/03	0.08	0.04	
4 - 10	PC-1	5/22/03	0.08	0.04	
4 - 10	BV-1	5/21/03	0.13	0.05	
4 - 10	BV-1	5/22/03	0.06	0.05	

Averages for reach 1 - 2:	0.25	0.07
Averages for reach 3:	0.13	0.06
Averages for reach 4 - 10:	0.11	0.06

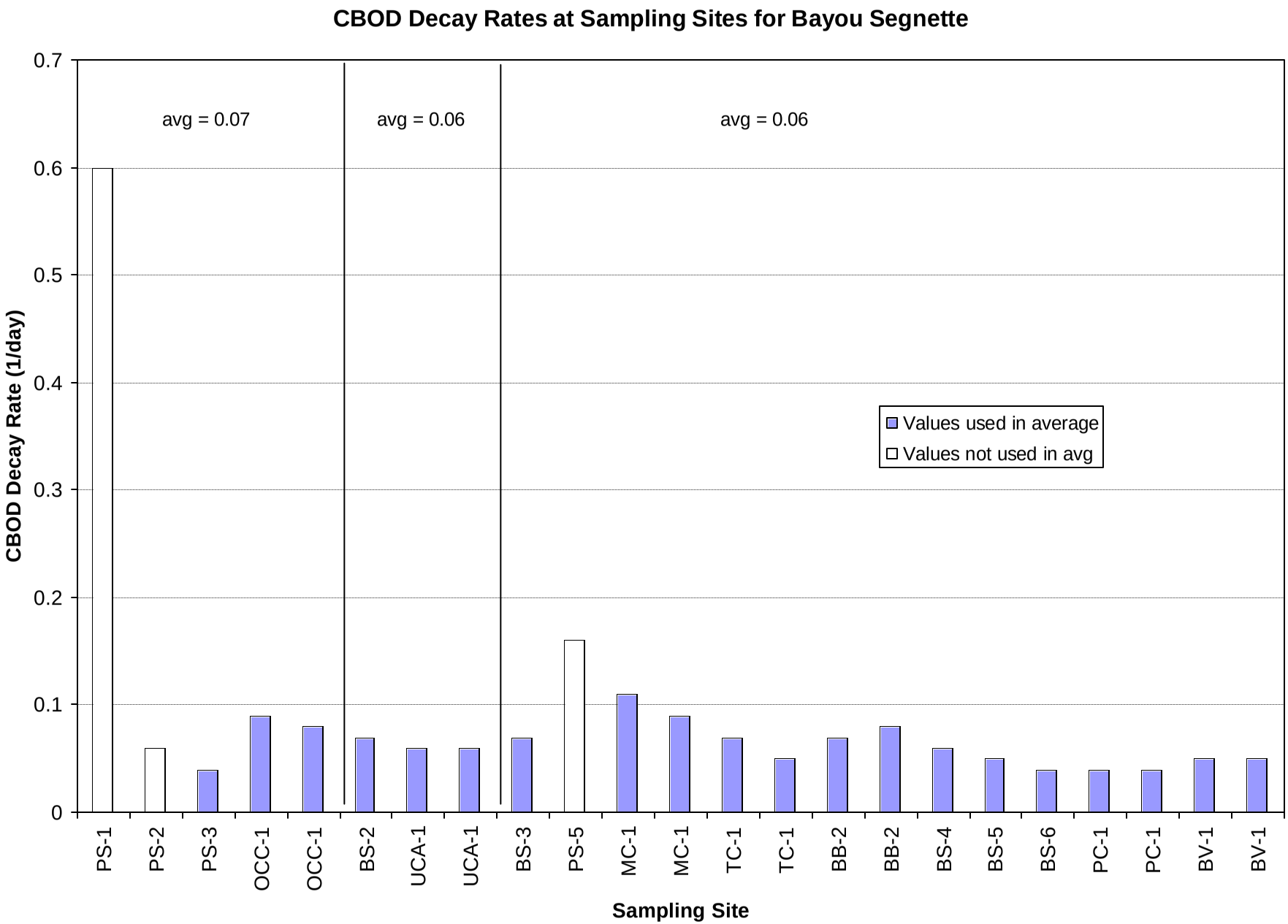
Notes:

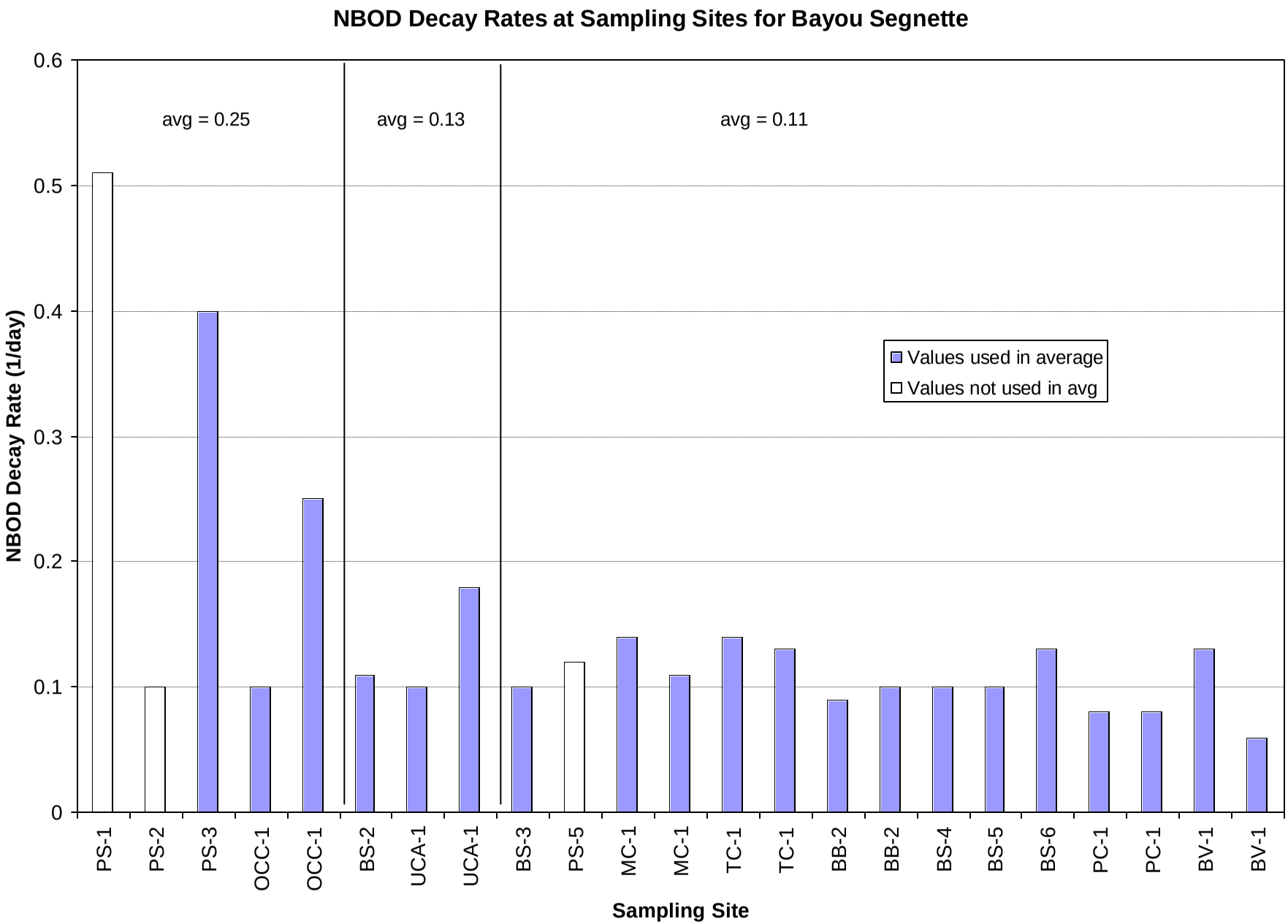
1. PS-2 data were not used in the averages because that pump station did not operate during the survey or the previous 5 days.

2. PS-5 data were not used in the averages because inflow from that pump station is already represented by MC-1.

3. PS-1 data were not used in the averages because they are so different from the values in the rest of the system; they are believed to reflect a short term condition.

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\BOD_DECAY_RATES.XLS


CBOD Decay Rates at Sampling Sites for Bayou Segnette
CBOD Decay Rate (1/day)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
avg = 0.07
avg = 0.06
avg = 0.06
Values used in average
Values not used in avg
PS-1
PS-2
PS-3
OCC-1
OCC-1
BS-2
UCA-1
UCA-1
BS-3
PS-5
MC-1
MC-1
TC-1
TC-1
BB-2
BB-2
BS-4
BS-5
BS-6
PC-1
PC-1
BV-1
BV-1
Sampling Site


NBOD Decay Rates at Sampling Sites for Bayou Segnette
avg = 0.25
avg = 0.13
avg = 0.11
Values used in average
Values not used in avg
NBOD Decay Rate (1/day)
0.6
0.5
0.4
0.3
0.2
0.1
0
PS-1
PS-2
PS-3
OCC-1
OCC-1
BS-2
UCA-1
UCA-1
BS-3
PS-5
MC-1
MC-1
TC-1
TC-1
BB-2
BB-2
BS-4
BS-5
BS-6
PC-1
PC-1
BV-1
BV-1
Sampling Site

APPENDIX G

Documentation of Hydraulic Modeling

Documentation of Bayou Segnette UNET Hydraulic Model

Introduction

The objective of this effort was to develop a calibrated hydraulic model of Bayou Segnette from the its northern end in Bayou Segnette State Park to its southern end at Bayou Villars. The predicted flows were averaged and used as inputs to the steady state water quality model (LA-QUAL) for the Bayou Segnette TMDL. The following sections describe the model selection, geometry setup, and calibration.

Model Selection

Four important characteristics of Bayou Segnette influenced the choice of model to be applied. First, it is a long natural stream where water movement is predominantly longitudinal and velocity gradients in the transverse and vertical directions can be safely ignored. In such case, a one-dimensional model sufficiently describes the hydraulics. The second characteristic of Bayou Segnette is a significant tidal influence coming in from the southern boundary (at Bayou Villars). This requires an unsteady hydraulic model, one that can simulate time varying discharge, stage, and velocities. The third important characteristic of the system is that the longitudinal channel bed slope is very flat thus requiring that a full dynamic wave equation be applied. Finally, the Bayou Segnette system has numerous interconnecting canals that create branches as well as loops. A model is required which will capture all these important features of the Bayou Segnette hydraulics.

Considering the above requirements, a model called UNET (Unsteady NETwork) was selected for this study. It is developed and distributed by the US Army Corps of Engineers Hydrologic Engineering Center and is in the public domain. It can simulate one-dimensional, subcritical, unsteady flow through an interconnected network of canals and overbank storage areas. It solves the St. Venant Equations for open channels. It is especially applicable in south Louisiana where channel slopes tend to be flat and flow reversals can occur. Other agencies and FTN have applied UNET for numerous other applications in southern Louisiana since 1985.

Model Geometry

A network schematic of important bayous was first drawn representing Bayou Segnette and the other major bayous in the system. The model geometry was setup in a way to calculate any significant exchanges of water between Bayou Segnette and other water bodies (Outer Cataouatche Canal, Lake Cataouatche, Lake Salvador, Millaudon Canal Tarpaper Canal, etc.). The UNET model geometry was based on cross sections measured with a fathometer during the LDEQ intensive survey. The depth information was converted to ground elevation by using a constant water surface elevation of 1.17 ft NAVD over the entire area of interest. This elevation was calculated by averaging the water surface elevation data obtained from the gages on Bayou Segnette at Lapalco Blvd. and at the Barataria waterway at Lafitte during May 20-21, 2003, which was the period when the LDEQ intensive survey was carried out.

The station-elevation data for each cross section were then converted into a standard HEC-2 station-elevation format and used to represent the topography of the canal network. The UNET network schematic is shown in Figure G.1.

Hydrologic Boundary Conditions

Hydrologic boundary conditions are the known values of discharge, water surface elevations, or velocities at the outer edge of the model network. For Bayou Segnette, measured outflows from the pump station located at PS-1 were specified as the upstream boundary. Hourly water surface elevations from the Corps of Engineers gage on the Barataria Waterway at Lafitte were used as a downstream boundary. In order to effectively compute the exchange of water between Bayou Segnette, Lake Salvador, and Lake Cataouatche, a stage boundary was assigned at the lake locations (described further in the section on calibration). Stage data for the gages at Lake Salvador near Lafitte and Lake Cataouatche at Whiskey Canal were obtained from the LDNR website. Since the datum for these gages was unavailable, a "correction factor" of 7.91 ft and 2.57 ft, respectively, was applied to these data after comparison with the gage on Barataria Waterway at Lafitte. Figure G.2 shows the raw water surface elevation data. Where available, drogue measurements were used to estimate flows from various canals. For the Westminster pump station (which pumps water into Unnamed Canal A) and the Ames pump station (which pumps water into Millaudon Canal), flow boundaries were specified based on pumping records.

UNET Calibration

After the model geometry is set up, the next step is calibration. Calibration is a process where the model coefficients are systematically varied and several simulations are performed to match model predictions to the observed data. For the UNET model, these coefficients are normally values for Manning's n and routing parameters between storage areas. However, for the present study, the major unknown was the stages in Lake Salvador and Lake Cataouatche, so they were adjusted during calibration. Three calibration trial simulations were designed each with a different assignment of stages for the lakes. The first trial used water surface elevations from the gages for Lake Salvador near Lafitte and Lake Cataouatche at Whiskey Canal as the boundary representing the lakes. For the second trial, the lakes were represented as storage areas in the model geometry. Finally, as a third trial, water surface elevations from the Lafitte gage were used to represent levels in both the lakes. These three simulations were performed to achieve better agreement between the predicted and observed parameters. The calibration targets were the Corps of Engineers stages at Lapalco Blvd., the velocities measured at six locations on Bayou Segnette with drogues, the average velocity calculated from each run of the LDEQ dye study, and one acoustic doppler flow measurement at BS-7. The model was started on May 1 so that the initial conditions would not affect the results during the LDEQ intensive survey.

The comparison of predicted and observed water surface elevations at Lapalco Blvd. for the three model scenarios is shown in Figure G.3. The comparison of predicted and observed velocities and flows for the three scenarios are shown in Tables G.1 through G.3. Based on these results, Trial 1 was found to produce the best match between the observed and predicted values.

Averaging of UNET Output

Because the flows from UNET were being used as input to a steady state water quality model, the flows predicted by UNET at each boundary at 15-minute intervals were averaged over two tidal cycles. Based on manual examination of the model output and diurnal fluctuations of observed hourly stage data, the averaging period chosen for this model was from 12:00 noon on May 20 to 4:00 PM on May 22. The average flows were converted to metric units and used as direct input to the LA-QUAL model.

\\Tlinux \NET\projects\3110-051\report \segnette\segnette_UNET report .doc

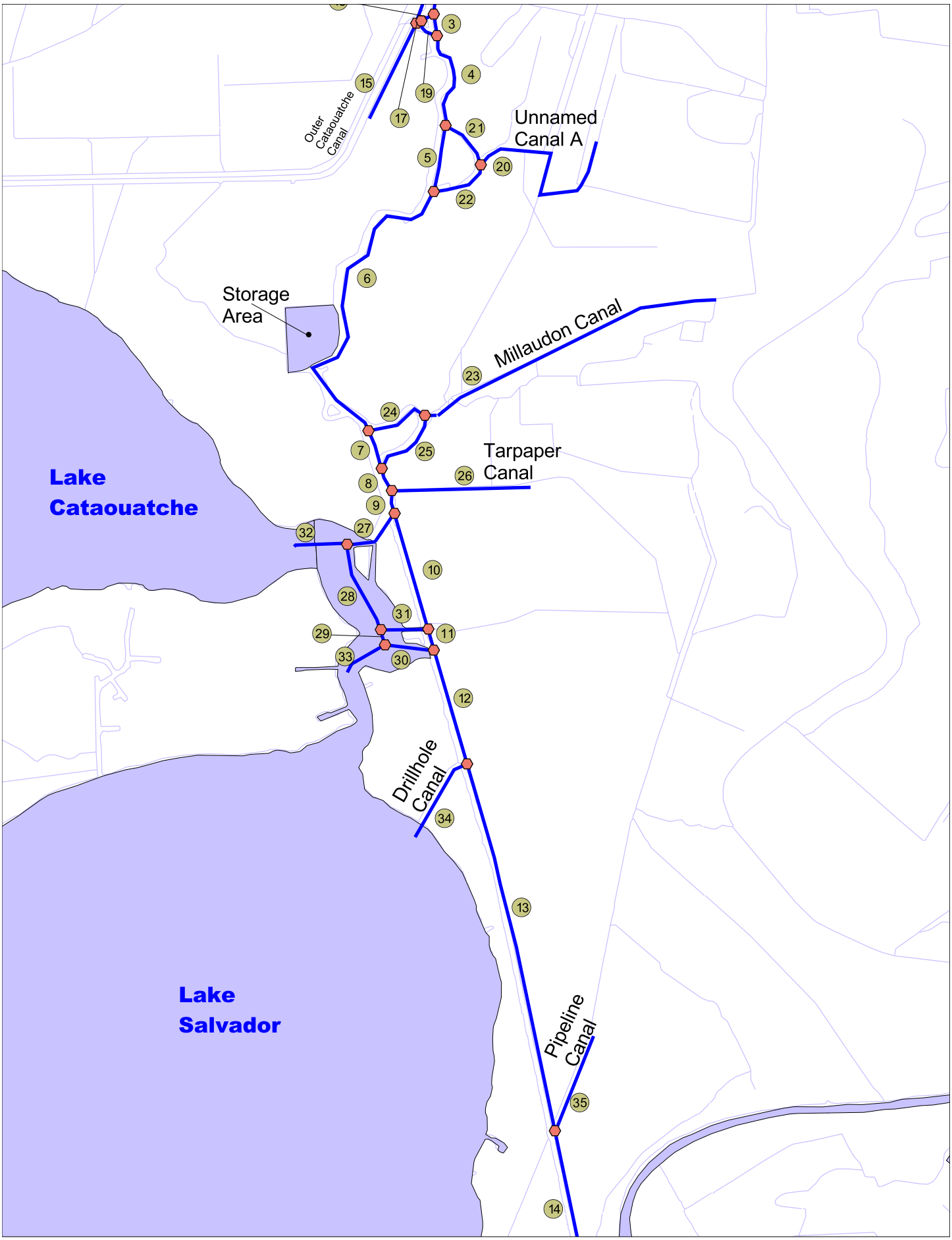


Figure. G.1. UNET model schematic.

Figure G.2. Water Surface Elevation for Lake Salvador, Lake Cataoutche and Lafitte Gages

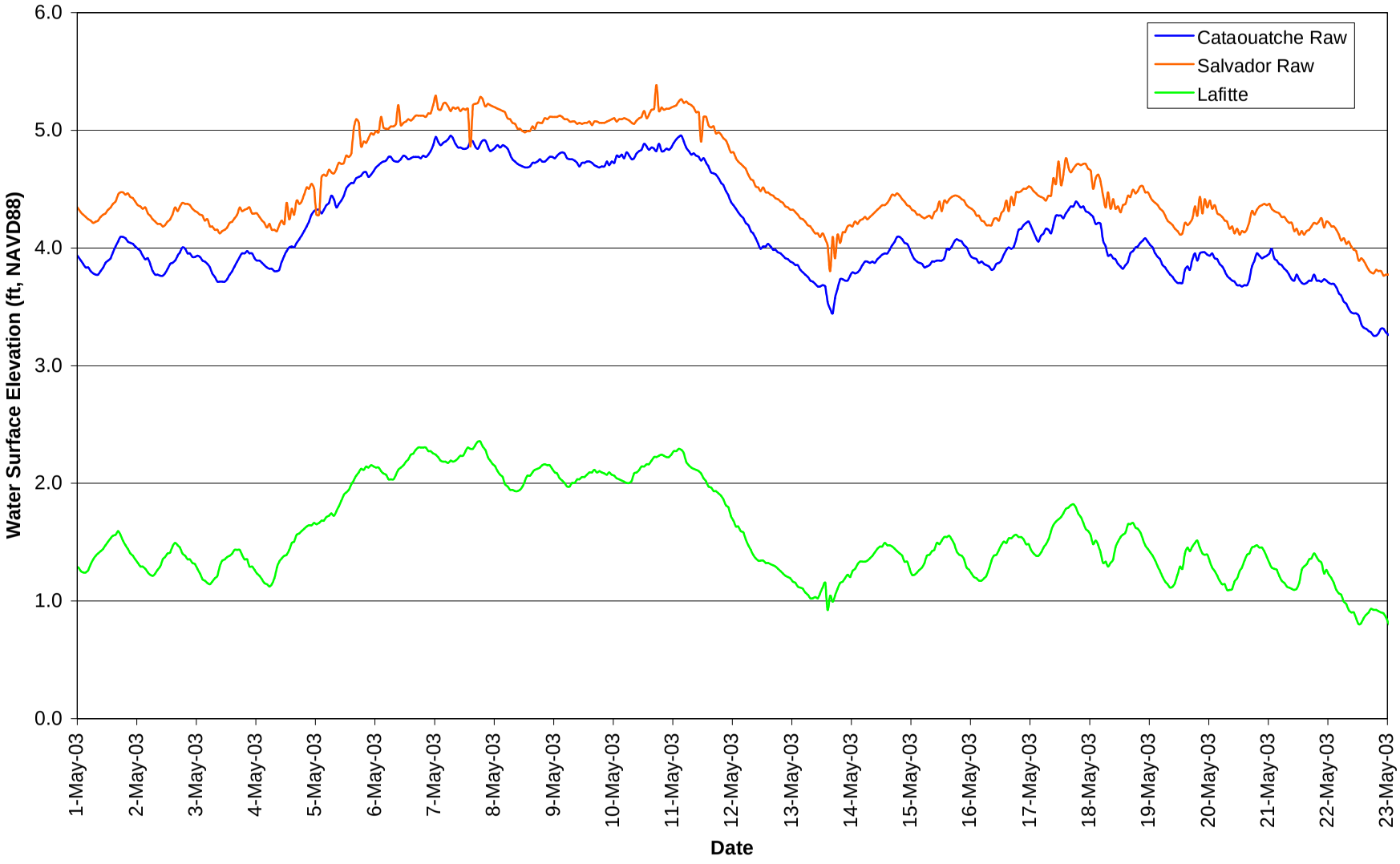


Figure G.3 Predicted and Observed Elevations for Bayou Segnette at Lapalco Boulevard

Table G.1. Comparison of predicted and observed velocities (drogues)

Station	Date	Time	Observed Velocity (ft/sec)				Model (cfs)		
			Left Side	Middle	Right Side	Composite	Trial 1	Trial 2	Trial 3
BS1	05/22/03	11:35	0.13	0.11	0.10	0.11	0.03	0.02	0.03
BS2	05/22/03	10:55	0.16	0.16	-0.06	0.09	0.12	0.10	0.02
BS3	05/22/03	11:30		0.18		0.18	0.17	0.13	0.22
BS4	05/22/03	10:50	-0.23	-0.05	0.06	-0.11	-0.32	0.13	0.11
BS5	05/22/03	11:35	0.15	0.24	0.21	0.20	0.21	0.43	-0.07
BS6	05/22/03	11:55	0.14	0.19	0.31	0.21	0.22	0.38	-0.01

Table G.2. Comparison of predicted and observed flows

Station	Date	Time	Observed (cfs)	Model (cfs)		
				Trial 1	Trial 2	Trial 3
BS-7	05/21/03	11:07	274	288	336	14

Table G.1. Comparison of predicted and observed velocities (dye study)

Run number	Date	Time (median for each run)	Average velocity since injection (ft/s)	Model Results (ft/s)
1	5/21/03	13:28	0.14	0.15
2	5/21/03	19:43	0.06	-0.07
3	5/22/03	11:09	-0.12	-0.07

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TABLE1 AND 2.XLS

APPENDIX H

Daily Average and Daily Minimum DO Values

Table H1. Estimation of Daily Average DO Using Continuous Data for Station 020701-BS1.

Continuous Monitoring Data (BS1)				Instantaneous Data					
Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum	Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)
5/21/03 0:00	3.10	1.1666	1.8235						
5/21/03 0:15	2.90	1.0913	1.7059						
5/21/03 0:30	3.10	1.1666	1.8235						
5/21/03 0:45	3.10	1.1666	1.8235						
5/21/03 1:00	2.90	1.0913	1.7059						
5/21/03 1:15	2.90	1.0913	1.7059						
5/21/03 1:30	3.10	1.1666	1.8235						
5/21/03 1:45	3.10	1.1666	1.8235						
5/21/03 2:00	3.00	1.1290	1.7647						
5/21/03 2:15	2.80	1.0537	1.6471						
5/21/03 2:30	2.90	1.0913	1.7059						
5/21/03 2:45	2.90	1.0913	1.7059						
5/21/03 3:00	2.70	1.0161	1.5882						
5/21/03 3:15	2.60	0.9784	1.5294						
5/21/03 3:30	2.70	1.0161	1.5882						
5/21/03 3:45	2.50	0.9408	1.4706						
5/21/03 4:00	2.50	0.9408	1.4706						
5/21/03 4:15	2.60	0.9784	1.5294						
5/21/03 4:30	2.40	0.9032	1.4118						
5/21/03 4:45	2.40	0.9032	1.4118						
5/21/03 5:00	2.30	0.8655	1.3529						
5/21/03 5:15	2.50	0.9408	1.4706						
5/21/03 5:30	2.50	0.9408	1.4706						
5/21/03 5:45	2.50	0.9408	1.4706						
5/21/03 6:00	2.30	0.8655	1.3529						
5/21/03 6:15	2.30	0.8655	1.3529						
5/21/03 6:30	2.40	0.9032	1.4118						
5/21/03 6:45	2.40	0.9032	1.4118						
5/21/03 7:00	2.20	0.8279	1.2941						
5/21/03 7:15	2.20	0.8279	1.2941						
5/21/03 7:30	2.10	0.7903	1.2353						
5/21/03 7:45	2.10	0.7903	1.2353						
5/21/03 8:00	2.00	0.7526	1.1765						
5/21/03 8:15	2.00	0.7526	1.1765						
5/21/03 8:30	1.90	0.7150	1.1176						
5/21/03 8:45	2.00	0.7526	1.1765						
5/21/03 9:00	1.70	0.6397	1.0000						
5/21/03 9:15	1.70	0.6397	1.0000						
5/21/03 9:30	1.80	0.6774	1.0588						
5/21/03 9:45	1.80	0.6774	1.0588	PS3	5/21/03	9:40	2.32	3.42	
5/21/03 10:00	1.80	0.6774	1.0588						
5/21/03 10:15	1.90	0.7150	1.1176						
5/21/03 10:30	2.00	0.7526	1.1765	UCA1	5/21/03	10:36	1.93	2.56	
5/21/03 10:45	2.00	0.7526	1.1765						
5/21/03 11:00	1.70	0.6397	1.0000						
5/21/03 11:15	2.00	0.7526	1.1765	OCC1	5/21/03	11:18	4.56	6.06	
5/21/03 11:30	2.20	0.8279	1.2941						
5/21/03 11:45	2.30	0.8655	1.3529						
5/21/03 12:00	2.40	0.9032	1.4118						
5/21/03 12:15	2.20	0.8279	1.2941						

Continuous Monitoring Data (BS1)

Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum
5/21/03 12:30	2.30	0.8655	1.3529
5/21/03 12:45	2.10	0.7903	1.2353
5/21/03 13:00	2.30	0.8655	1.3529
5/21/03 13:15	2.40	0.9032	1.4118
5/21/03 13:30	2.30	0.8655	1.3529
5/21/03 13:45	2.40	0.9032	1.4118
5/21/03 14:00	2.50	0.9408	1.4706
5/21/03 14:15	2.50	0.9408	1.4706
5/21/03 14:30	2.70	1.0161	1.5882
5/21/03 14:45	2.70	1.0161	1.5882
5/21/03 15:00	2.40	0.9032	1.4118
5/21/03 15:15	2.60	0.9784	1.5294
5/21/03 15:30	2.20	0.8279	1.2941
5/21/03 15:45	2.40	0.9032	1.4118
5/21/03 16:00	2.50	0.9408	1.4706
5/21/03 16:15	3.10	1.1666	1.8235
5/21/03 16:30	3.10	1.1666	1.8235
5/21/03 16:45	2.90	1.0913	1.7059
5/21/03 17:00	2.90	1.0913	1.7059
5/21/03 17:15	2.90	1.0913	1.7059
5/21/03 17:30	3.10	1.1666	1.8235
5/21/03 17:45	3.00	1.1290	1.7647
5/21/03 18:00	3.20	1.2042	1.8824
5/21/03 18:15	3.60	1.3548	2.1176
5/21/03 18:30	3.30	1.2419	1.9412
5/21/03 18:45	3.50	1.3171	2.0588
5/21/03 19:00	3.70	1.3924	2.1765
5/21/03 19:15	3.40	1.2795	2.0000
5/21/03 19:30	3.40	1.2795	2.0000
5/21/03 19:45	3.50	1.3171	2.0588
5/21/03 20:00	3.60	1.3548	2.1176
5/21/03 20:15	3.80	1.4300	2.2353
5/21/03 20:30	3.30	1.2419	1.9412
5/21/03 20:45	3.50	1.3171	2.0588
5/21/03 21:00	3.20	1.2042	1.8824
5/21/03 21:15	3.20	1.2042	1.8824
5/21/03 21:30	3.20	1.2042	1.8824
5/21/03 21:45	3.20	1.2042	1.8824
5/21/03 22:00	3.20	1.2042	1.8824
5/21/03 22:15	3.20	1.2042	1.8824
5/21/03 22:30	3.10	1.1666	1.8235
5/21/03 22:45	3.00	1.1290	1.7647
5/21/03 23:00	2.90	1.0913	1.7059
5/21/03 23:15	2.90	1.0913	1.7059
5/21/03 23:30	2.80	1.0537	1.6471
5/21/03 23:45	2.70	1.0161	1.5882
Minimum	**1.70**		
Average	**2.66**		

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)

Continuous Monitoring Data (BS1)

Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum
5/22/03 0:00	2.90	1.1489	1.8125
5/22/03 0:15	2.80	1.1093	1.7500
5/22/03 0:30	2.70	1.0696	1.6875
5/22/03 0:45	2.60	1.0300	1.6250
5/22/03 1:00	2.60	1.0300	1.6250
5/22/03 1:15	2.30	0.9112	1.4375
5/22/03 1:30	2.40	0.9508	1.5000
5/22/03 1:45	2.40	0.9508	1.5000
5/22/03 2:00	2.30	0.9112	1.4375
5/22/03 2:15	2.50	0.9904	1.5625
5/22/03 2:30	2.30	0.9112	1.4375
5/22/03 2:45	2.20	0.8716	1.3750
5/22/03 3:00	2.20	0.8716	1.3750
5/22/03 3:15	2.20	0.8716	1.3750
5/22/03 3:30	2.10	0.8319	1.3125
5/22/03 3:45	2.00	0.7923	1.2500
5/22/03 4:00	1.90	0.7527	1.1875
5/22/03 4:15	1.90	0.7527	1.1875
5/22/03 4:30	2.00	0.7923	1.2500
5/22/03 4:45	1.90	0.7527	1.1875
5/22/03 5:00	2.00	0.7923	1.2500
5/22/03 5:15	1.90	0.7527	1.1875
5/22/03 5:30	1.80	0.7131	1.1250
5/22/03 5:45	2.00	0.7923	1.2500
5/22/03 6:00	1.90	0.7527	1.1875
5/22/03 6:15	1.90	0.7527	1.1875
5/22/03 6:30	1.80	0.7131	1.1250
5/22/03 6:45	1.90	0.7527	1.1875
5/22/03 7:00	1.80	0.7131	1.1250
5/22/03 7:15	1.90	0.7527	1.1875
5/22/03 7:30	1.80	0.7131	1.1250
5/22/03 7:45	1.80	0.7131	1.1250
5/22/03 8:00	1.70	0.6735	1.0625
5/22/03 8:15	2.00	0.7923	1.2500
5/22/03 8:30	1.70	0.6735	1.0625
5/22/03 8:45	1.60	0.6339	1.0000
5/22/03 9:00	2.00	0.7923	1.2500
5/22/03 9:15	2.10	0.8319	1.3125
5/22/03 9:30	1.90	0.7527	1.1875
5/22/03 9:45	1.90	0.7527	1.1875
5/22/03 10:00	2.00	0.7923	1.2500
5/22/03 10:15	2.00	0.7923	1.2500
5/22/03 10:30	2.10	0.8319	1.3125
5/22/03 10:45	2.20	0.8716	1.3750
5/22/03 11:00	2.30	0.9112	1.4375
5/22/03 11:15	2.10	0.8319	1.3125
5/22/03 11:30	2.20	0.8716	1.3750
5/22/03 11:45	2.10	0.8319	1.3125
5/22/03 12:00	2.20	0.8716	1.3750
5/22/03 12:15	2.20	0.8716	1.3750
5/22/03 12:30	2.30	0.9112	1.4375
5/22/03 12:45	2.50	0.9904	1.5625
5/22/03 13:00	2.70	1.0696	1.6875

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)
UCA1	5/22/03	8:55	0.65	0.82	
PS3	5/22/03	9:20	1.20	1.44	
OCC1	5/22/03	10:20	3.33	4.20	
PS1	5/22/03	10:25	0.20	0.24	
PS2 ***	5/22/03	11:00	4.48	4.92	
BS2	5/22/03	11:00	2.95	3.24	2.05

***Duplicate 11:00 time slot

Continuous Monitoring Data (BS1)

Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum
5/22/03 13:15	2.90	1.1489	1.8125
5/22/03 13:30	3.10	1.2281	1.9375
5/22/03 13:45	3.00	1.1885	1.8750
5/22/03 14:00	2.90	1.1489	1.8125
5/22/03 14:15	2.80	1.1093	1.7500
5/22/03 14:30	3.10	1.2281	1.9375
5/22/03 14:45	3.00	1.1885	1.8750
5/22/03 15:00	3.10	1.2281	1.9375
5/22/03 15:15	2.70	1.0696	1.6875
5/22/03 15:30	2.90	1.1489	1.8125
5/22/03 15:45	3.00	1.1885	1.8750
5/22/03 16:00	3.00	1.1885	1.8750
5/22/03 16:15	3.10	1.2281	1.9375
5/22/03 16:30	3.10	1.2281	1.9375
5/22/03 16:45	3.00	1.1885	1.8750
5/22/03 17:00	2.90	1.1489	1.8125
5/22/03 17:15	3.70	1.4658	2.3125
5/22/03 17:30	3.80	1.5054	2.3750
5/22/03 17:45	3.50	1.3866	2.1875
5/22/03 18:00	4.00	1.5847	2.5000
5/22/03 18:15	3.30	1.3073	2.0625
5/22/03 18:30	3.40	1.3470	2.1250
5/22/03 18:45	3.00	1.1885	1.8750
5/22/03 19:00	2.90	1.1489	1.8125
5/22/03 19:15	2.90	1.1489	1.8125
5/22/03 19:30	3.10	1.2281	1.9375
5/22/03 19:45	3.50	1.3866	2.1875
5/22/03 20:00	3.70	1.4658	2.3125
5/22/03 20:15	3.40	1.3470	2.1250
5/22/03 20:30	3.00	1.1885	1.8750
5/22/03 20:45	2.90	1.1489	1.8125
5/22/03 21:00	3.00	1.1885	1.8750
5/22/03 21:15	2.90	1.1489	1.8125
5/22/03 21:30	2.90	1.1489	1.8125
5/22/03 21:45	2.90	1.1489	1.8125
5/22/03 22:00	2.80	1.1093	1.7500
5/22/03 22:15	2.80	1.1093	1.7500
5/22/03 22:30	2.70	1.0696	1.6875
5/22/03 22:45	2.50	0.9904	1.5625
5/22/03 23:00	2.30	0.9112	1.4375
5/22/03 23:15	2.40	0.9508	1.5000
5/22/03 23:30	2.40	0.9508	1.5000
Minimum	**1.60**		
Average	**2.52**		

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)

EGNETTE PDF\BS1 DO CALCULATIONS-SEG.XLS

Table H2. Estimation of Daily Average DO Using Continuous Data for Station 020701-BS4.

Continuous Monitoring Data (BS4)				Instantaneous Data					
Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum	Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)
5/21/03 0:00	4.70	1.0513	1.4688						
5/21/03 0:15	4.70	1.0513	1.4688						
5/21/03 0:30	4.70	1.0513	1.4688						
5/21/03 0:45	4.70	1.0513	1.4688						
5/21/03 1:00	4.60	1.0289	1.4375						
5/21/03 1:15	4.60	1.0289	1.4375						
5/21/03 1:30	4.50	1.0065	1.4063						
5/21/03 1:45	4.40	0.9842	1.3750						
5/21/03 2:00	4.40	0.9842	1.3750						
5/21/03 2:15	4.30	0.9618	1.3438						
5/21/03 2:30	4.30	0.9618	1.3438						
5/21/03 2:45	4.30	0.9618	1.3438						
5/21/03 3:00	4.20	0.9394	1.3125						
5/21/03 3:15	4.20	0.9394	1.3125						
5/21/03 3:30	4.30	0.9618	1.3438						
5/21/03 3:45	4.30	0.9618	1.3438						
5/21/03 4:00	4.30	0.9618	1.3438						
5/21/03 4:15	4.20	0.9394	1.3125						
5/21/03 4:30	4.20	0.9394	1.3125						
5/21/03 4:45	4.20	0.9394	1.3125						
5/21/03 5:00	4.10	0.9171	1.2813						
5/21/03 5:15	4.00	0.8947	1.2500						
5/21/03 5:30	4.00	0.8947	1.2500						
5/21/03 5:45	4.00	0.8947	1.2500						
5/21/03 6:00	4.00	0.8947	1.2500						
5/21/03 6:15	3.90	0.8723	1.2188						
5/21/03 6:30	3.90	0.8723	1.2188						
5/21/03 6:45	3.90	0.8723	1.2188						
5/21/03 7:00	3.80	0.8500	1.1875						
5/21/03 7:15	3.80	0.8500	1.1875						
5/21/03 7:30	3.70	0.8276	1.1563						
5/21/03 7:45	3.70	0.8276	1.1563						
5/21/03 8:00	3.70	0.8276	1.1563						
5/21/03 8:15	3.60	0.8052	1.1250						
5/21/03 8:30	3.60	0.8052	1.1250						
5/21/03 8:45	3.70	0.8276	1.1563						
5/21/03 9:00	3.70	0.8276	1.1563						
5/21/03 9:15	3.70	0.8276	1.1563						
5/21/03 9:30	3.70	0.8276	1.1563						
5/21/03 9:45	3.60	0.8052	1.1250						
5/21/03 10:00	3.70	0.8276	1.1563						
5/21/03 10:15	3.80	0.8500	1.1875	MC1	5/21/03	10:15	2.30	2.71	
5/21/03 10:30	3.70	0.8276	1.1563						
5/21/03 10:45	3.70	0.8276	1.1563						
5/21/03 11:00	3.90	0.8723	1.2188						
5/21/03 11:15	3.30	0.7381	1.0313						
5/21/03 11:30	3.90	0.8723	1.2188						
5/21/03 11:45	4.10	0.9171	1.2813						
5/21/03 12:00	4.30	0.9618	1.3438						
5/21/03 12:15	4.30	0.9618	1.3438						
5/21/03 12:30	4.30	0.9618	1.3438	TC1	5/21/03	12:30	2.63	2.73	
5/21/03 12:45	4.40	0.9842	1.3750						
5/21/03 13:00	4.30	0.9618	1.3438						
5/21/03 13:15	3.70	0.8276	1.1563						

Continuous Monitoring Data (BS4)

Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum
5/21/03 13:30	3.90	0.8723	1.2188
5/21/03 13:45	3.50	0.7829	1.0938
5/21/03 14:00	3.90	0.8723	1.2188
5/21/03 14:15	4.60	1.0289	1.4375
5/21/03 14:30	3.20	0.7158	1.0000
5/21/03 14:45	5.00	1.1184	1.5625
5/21/03 15:00	4.80	1.0736	1.5000
5/21/03 15:15	4.90	1.0960	1.5313
5/21/03 15:30	3.70	0.8276	1.1563
5/21/03 15:45	5.50	1.2302	1.7188
5/21/03 16:00	5.70	1.2749	1.7813
5/21/03 16:15	5.60	1.2526	1.7500
5/21/03 16:30	3.50	0.7829	1.0938
5/21/03 16:45	5.40	1.2078	1.6875
5/21/03 17:00	4.70	1.0513	1.4688
5/21/03 17:15	4.10	0.9171	1.2813
5/21/03 17:30	4.90	1.0960	1.5313
5/21/03 17:45	4.70	1.0513	1.4688
5/21/03 18:00	4.70	1.0513	1.4688
5/21/03 18:15	4.40	0.9842	1.3750
5/21/03 18:30	5.10	1.1407	1.5938
5/21/03 18:45	4.90	1.0960	1.5313
5/21/03 19:00	6.20	1.3868	1.9375
5/21/03 19:15	6.20	1.3868	1.9375
5/21/03 19:30	5.50	1.2302	1.7188
5/21/03 19:45	5.60	1.2526	1.7500
5/21/03 20:00	5.30	1.1855	1.6563
5/21/03 20:15	5.30	1.1855	1.6563
5/21/03 20:30	5.80	1.2973	1.8125
5/21/03 20:45	5.70	1.2749	1.7813
5/21/03 21:00	5.60	1.2526	1.7500
5/21/03 21:15	5.50	1.2302	1.7188
5/21/03 21:30	5.40	1.2078	1.6875
5/21/03 21:45	5.40	1.2078	1.6875
5/21/03 22:00	5.40	1.2078	1.6875
5/21/03 22:15	5.30	1.1855	1.6563
5/21/03 22:30	5.30	1.1855	1.6563
5/21/03 22:45	5.30	1.1855	1.6563
5/21/03 23:00	5.20	1.1631	1.6250
5/21/03 23:15	5.00	1.1184	1.5625
5/21/03 23:30	5.00	1.1184	1.5625
5/21/03 23:45	4.90	1.0960	1.5313
Minimum	**3.20**		
Average	**4.47**		

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)

Continuous Monitoring Data (BS4)				Instantaneous Data					
Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum	Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)
5/22/03 0:00	4.90	0.9510	1.1395						
5/22/03 0:15	4.70	0.9122	1.0930						
5/22/03 0:30	4.80	0.9316	1.1163						
5/22/03 0:45	4.80	0.9316	1.1163						
5/22/03 1:00	4.50	0.8733	1.0465						
5/22/03 1:15	4.70	0.9122	1.0930						
5/22/03 1:30	4.70	0.9122	1.0930						
5/22/03 1:45	4.70	0.9122	1.0930						
5/22/03 2:00	4.40	0.8539	1.0233						
5/22/03 2:15	4.30	0.8345	1.0000						
5/22/03 2:30	4.40	0.8539	1.0233						
5/22/03 2:45	4.50	0.8733	1.0465						
5/22/03 3:00	4.60	0.8927	1.0698						
5/22/03 3:15	4.60	0.8927	1.0698						
5/22/03 3:30	4.60	0.8927	1.0698						
5/22/03 3:45	4.70	0.9122	1.0930						
5/22/03 4:00	4.50	0.8733	1.0465						
5/22/03 4:15	4.60	0.8927	1.0698						
5/22/03 4:30	4.60	0.8927	1.0698						
5/22/03 4:45	4.60	0.8927	1.0698						
5/22/03 5:00	4.40	0.8539	1.0233						
5/22/03 5:15	4.50	0.8733	1.0465						
5/22/03 5:30	4.40	0.8539	1.0233						
5/22/03 5:45	4.40	0.8539	1.0233						
5/22/03 6:00	4.50	0.8733	1.0465						
5/22/03 6:15	4.30	0.8345	1.0000						
5/22/03 6:30	4.40	0.8539	1.0233						
5/22/03 6:45	4.30	0.8345	1.0000						
5/22/03 7:00	4.30	0.8345	1.0000						
5/22/03 7:15	4.30	0.8345	1.0000						
5/22/03 7:30	4.40	0.8539	1.0233						
5/22/03 7:45	4.40	0.8539	1.0233						
5/22/03 8:00	4.60	0.8927	1.0698						
5/22/03 8:15	4.60	0.8927	1.0698						
5/22/03 8:30	4.60	0.8927	1.0698						
5/22/03 8:45	4.60	0.8927	1.0698						
5/22/03 9:00	4.60	0.8927	1.0698						
5/22/03 9:15	4.70	0.9122	1.0930						
5/22/03 9:30	4.60	0.8927	1.0698						
5/22/03 9:45	4.60	0.8927	1.0698						
5/22/03 10:00	4.80	0.9316	1.1163						
5/22/03 10:15	4.80	0.9316	1.1163	MC1	5/22/03	10:20	2.68	2.88	
5/22/03 10:30	4.60	0.8927	1.0698	TC1	5/22/03	10:25	2.19	2.45	
5/22/03 10:45	4.50	0.8733	1.0465						
5/22/03 11:00	4.60	0.8927	1.0698						
5/22/03 11:15	4.90	0.9510	1.1395						
5/22/03 11:30	4.80	0.9316	1.1163	BS3	5/22/03	11:30	4.80	5.15	4.3
5/22/03 11:45	4.60	0.8927	1.0698						
5/22/03 12:00	4.50	0.8733	1.0465						
5/22/03 12:15	4.60	0.8927	1.0698						
5/22/03 12:30	4.80	0.9316	1.1163						
5/22/03 12:45	4.80	0.9316	1.1163						
5/22/03 13:00	4.90	0.9510	1.1395						
5/22/03 13:15	5.00	0.9704	1.1628						
5/22/03 13:30	5.10	0.9898	1.1860						
5/22/03 13:45	5.30	1.0286	1.2326						

Continuous Monitoring Data (BS4)

Date/Time	DO (mg/L)	DO as fraction of daily average	DO as fraction of daily minimum
5/22/03 14:00	5.30	1.0286	1.2326
5/22/03 14:15	5.50	1.0674	1.2791
5/22/03 14:30	5.50	1.0674	1.2791
5/22/03 14:45	5.70	1.1062	1.3256
5/22/03 15:00	5.80	1.1256	1.3488
5/22/03 15:15	6.00	1.1645	1.3953
5/22/03 15:30	6.00	1.1645	1.3953
5/22/03 15:45	5.90	1.1450	1.3721
5/22/03 16:00	6.10	1.1839	1.4186
5/22/03 16:15	6.10	1.1839	1.4186
5/22/03 16:30	6.20	1.2033	1.4419
5/22/03 16:45	6.00	1.1645	1.3953
5/22/03 17:00	6.40	1.2421	1.4884
5/22/03 17:15	6.70	1.3003	1.5581
5/22/03 17:30	6.40	1.2421	1.4884
5/22/03 17:45	6.40	1.2421	1.4884
5/22/03 18:00	6.30	1.2227	1.4651
5/22/03 18:15	6.20	1.2033	1.4419
5/22/03 18:30	6.10	1.1839	1.4186
5/22/03 18:45	6.10	1.1839	1.4186
5/22/03 19:00	6.30	1.2227	1.4651
5/22/03 19:15	6.10	1.1839	1.4186
5/22/03 19:30	5.80	1.1256	1.3488
5/22/03 19:45	6.00	1.1645	1.3953
5/22/03 20:00	6.00	1.1645	1.3953
5/22/03 20:15	6.10	1.1839	1.4186
5/22/03 20:30	6.00	1.1645	1.3953
5/22/03 20:45	5.90	1.1450	1.3721
5/22/03 21:00	5.90	1.1450	1.3721
5/22/03 21:15	5.80	1.1256	1.3488
5/22/03 21:30	5.70	1.1062	1.3256
5/22/03 21:45	5.70	1.1062	1.3256
5/22/03 22:00	5.60	1.0868	1.3023
5/22/03 22:15	5.60	1.0868	1.3023
5/22/03 22:30	5.50	1.0674	1.2791
5/22/03 22:45	5.60	1.0868	1.3023
5/22/03 23:00	5.70	1.1062	1.3256
5/22/03 23:15	5.60	1.0868	1.3023
5/22/03 23:30	5.60	1.0868	1.3023
Minimum	**4.30**		
Average	**5.15**		

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)	Estimated daily min DO at this station (mg/L)

EGNETTE PDF\BS4 DO CALCULATIONS-SEG.XLS

Table H3. Estimation of Daily Average DO Using Continuous Data for Station 020701-BS6.

Continuous Monitoring Data (BS6)			Instantaneous Data				
Date/Time	DO (mg/L)	DO as fraction of daily average	Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)
5/21/03 0:00	5.10	1.0853					
5/21/03 0:15	5.00	1.0641					
5/21/03 0:30	4.90	1.0428					
5/21/03 0:45	5.00	1.0641					
5/21/03 1:00	5.00	1.0641					
5/21/03 1:15	5.00	1.0641					
5/21/03 1:30	5.00	1.0641					
5/21/03 1:45	5.00	1.0641					
5/21/03 2:00	4.90	1.0428					
5/21/03 2:15	4.90	1.0428					
5/21/03 2:30	5.00	1.0641					
5/21/03 2:45	4.90	1.0428					
5/21/03 3:00	4.80	1.0215					
5/21/03 3:15	4.80	1.0215					
5/21/03 3:30	4.70	1.0002					
5/21/03 3:45	4.70	1.0002					
5/21/03 4:00	4.70	1.0002					
5/21/03 4:15	4.70	1.0002					
5/21/03 4:30	4.60	0.9789					
5/21/03 4:45	4.60	0.9789					
5/21/03 5:00	4.60	0.9789					
5/21/03 5:15	4.60	0.9789					
5/21/03 5:30	4.80	1.0215					
5/21/03 5:45	4.80	1.0215					
5/21/03 6:00	4.70	1.0002					
5/21/03 6:15	4.70	1.0002					
5/21/03 6:30	4.70	1.0002					
5/21/03 6:45	4.60	0.9789					
5/21/03 7:00	4.60	0.9789					
5/21/03 7:15	4.60	0.9789					
5/21/03 7:30	4.60	0.9789					
5/21/03 7:45	4.50	0.9577					
5/21/03 8:00	4.60	0.9789					
5/21/03 8:15	4.60	0.9789					
5/21/03 8:30	4.60	0.9789					
5/21/03 8:45	4.60	0.9789					
5/21/03 9:00	4.60	0.9789					
5/21/03 9:15	4.60	0.9789					
5/21/03 9:30	4.50	0.9577					
5/21/03 9:45	4.40	0.9364					
5/21/03 10:00	4.50	0.9577					
5/21/03 10:15	4.50	0.9577					
5/21/03 10:30	4.60	0.9789	BV1	5/21/03	10:35	6.52	6.66
5/21/03 10:45	4.50	0.9577					
5/21/03 11:00	4.50	0.9577	PC1	5/21/03	11:00	1.16	1.21
5/21/03 11:15	4.50	0.9577					
5/21/03 11:30	4.50	0.9577					
5/21/03 11:45	4.60	0.9789					
5/21/03 12:00	4.60	0.9789					
5/21/03 12:15	4.70	1.0002					
5/21/03 12:30	4.30	0.9151					

Continuous Monitoring Data (BS6)

Date/Time	DO (mg/L)	DO as fraction of daily average
5/21/03 12:45	4.40	0.9364
5/21/03 13:00	4.60	0.9789
5/21/03 13:15	4.70	1.0002
5/21/03 13:30	4.50	0.9577
5/21/03 13:45	4.30	0.9151
5/21/03 14:00	4.10	0.8725
5/21/03 14:15	4.50	0.9577
5/21/03 14:30	4.40	0.9364
5/21/03 14:45	4.70	1.0002
5/21/03 15:00	4.40	0.9364
5/21/03 15:15	4.30	0.9151
5/21/03 15:30	5.20	1.1066
5/21/03 15:45	4.70	1.0002
5/21/03 16:00	4.50	0.9577
5/21/03 16:15	4.80	1.0215
5/21/03 16:30	5.00	1.0641
5/21/03 16:45	5.40	1.1492
5/21/03 17:00	5.20	1.1066
5/21/03 17:15	5.30	1.1279
5/21/03 17:30	5.00	1.0641
5/21/03 17:45	5.30	1.1279
5/21/03 18:00	4.70	1.0002
5/21/03 18:15	4.80	1.0215
5/21/03 18:30	4.70	1.0002
5/21/03 18:45	4.70	1.0002
5/21/03 19:00	5.00	1.0641
5/21/03 19:15	5.00	1.0641
5/21/03 19:30	5.00	1.0641
5/21/03 19:45	5.50	1.1705
5/21/03 20:00	6.20	1.3194
5/21/03 20:15	5.00	1.0641
5/21/03 20:30	5.30	1.1279
5/21/03 20:45	5.40	1.1492
5/21/03 21:00	5.50	1.1705
5/21/03 21:15	5.10	1.0853
5/21/03 21:30	4.90	1.0428
5/21/03 21:45	4.70	1.0002
5/21/03 22:00	4.80	1.0215
5/21/03 22:15	4.40	0.9364
5/21/03 22:30	3.80	0.8087
5/21/03 22:45	3.70	0.7874
5/21/03 23:00	3.60	0.7661
5/21/03 23:15	3.50	0.7448
5/21/03 23:30	3.50	0.7448
5/21/03 23:45	3.60	0.7661
Average	**4.70**	
5/22/03 0:00	3.70	1.1064
5/22/03 0:15	3.40	1.0167
5/22/03 0:30	3.60	1.0765
5/22/03 0:45	3.20	0.9569
5/22/03 1:00	3.30	0.9868
5/22/03 1:15	3.60	1.0765
5/22/03 1:30	3.50	1.0466

Instantaneous Data

Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)

Continuous Monitoring Data (BS6)			Instantaneous Data				
Date/Time	DO (mg/L)	DO as fraction of daily average	Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)
5/22/03 1:45	3.10	0.9270					
5/22/03 2:00	3.20	0.9569					
5/22/03 2:15	3.20	0.9569					
5/22/03 2:30	3.30	0.9868					
5/22/03 2:45	3.30	0.9868					
5/22/03 3:00	3.20	0.9569					
5/22/03 3:15	3.00	0.8971					
5/22/03 3:30	3.00	0.8971					
5/22/03 3:45	3.10	0.9270					
5/22/03 4:00	3.00	0.8971					
5/22/03 4:15	3.10	0.9270					
5/22/03 4:30	3.10	0.9270					
5/22/03 4:45	3.00	0.8971					
5/22/03 5:00	2.90	0.8672					
5/22/03 5:15	2.90	0.8672					
5/22/03 5:30	2.70	0.8074					
5/22/03 5:45	2.80	0.8373					
5/22/03 6:00	2.80	0.8373					
5/22/03 6:15	2.80	0.8373					
5/22/03 6:30	2.80	0.8373					
5/22/03 6:45	2.70	0.8074					
5/22/03 7:00	2.80	0.8373					
5/22/03 7:15	2.70	0.8074					
5/22/03 7:30	2.60	0.7775					
5/22/03 7:45	2.70	0.8074					
5/22/03 8:00	2.80	0.8373					
5/22/03 8:15	2.80	0.8373					
5/22/03 8:30	2.80	0.8373					
5/22/03 8:45	2.80	0.8373					
5/22/03 9:00	2.80	0.8373					
5/22/03 9:15	2.90	0.8672	BV1	5/22/03	9:15	6.90	7.96
5/22/03 9:30	3.00	0.8971					
5/22/03 9:45	3.00	0.8971	PC1	5/22/03	9:50	1.19	1.33
5/22/03 10:00	3.10	0.9270					
5/22/03 10:15	3.10	0.9270					
5/22/03 10:30	3.10	0.9270					
5/22/03 10:45	3.00	0.8971					
5/22/03 11:00	3.10	0.9270					
5/22/03 11:15	3.20	0.9569					
5/22/03 11:30	3.00	0.8971	BS5	5/22/03	11:35	4.55	5.07
5/22/03 11:45	3.10	0.9270					
5/22/03 12:00	3.10	0.9270					
5/22/03 12:15	3.10	0.9270					
5/22/03 12:30	3.20	0.9569					
5/22/03 12:45	3.20	0.9569					
5/22/03 13:00	3.30	0.9868					
5/22/03 13:15	3.40	1.0167					
5/22/03 13:30	3.30	0.9868					
5/22/03 13:45	3.40	1.0167					
5/22/03 14:00	3.40	1.0167					
5/22/03 14:15	3.30	0.9868					
5/22/03 14:30	3.40	1.0167					
5/22/03 14:45	3.40	1.0167					
5/22/03 15:00	3.40	1.0167					

Continuous Monitoring Data (BS6)		
Date/Time	DO (mg/L)	DO as fraction of daily average
5/22/03 15:15	3.70	1.1064
5/22/03 15:30	3.40	1.0167
5/22/03 15:45	3.70	1.1064
5/22/03 16:00	3.50	1.0466
5/22/03 16:15	3.70	1.1064
5/22/03 16:30	3.80	1.1363
5/22/03 16:45	3.80	1.1363
5/22/03 17:00	4.00	1.1961
5/22/03 17:15	3.80	1.1363
5/22/03 17:30	4.00	1.1961
5/22/03 17:45	4.20	1.2559
5/22/03 18:00	4.20	1.2559
5/22/03 18:15	4.20	1.2559
5/22/03 18:30	4.20	1.2559
5/22/03 18:45	4.10	1.2260
5/22/03 19:00	4.10	1.2260
5/22/03 19:15	4.10	1.2260
5/22/03 19:30	4.00	1.1961
5/22/03 19:45	4.10	1.2260
5/22/03 20:00	4.10	1.2260
5/22/03 20:15	4.10	1.2260
5/22/03 20:30	4.10	1.2260
5/22/03 20:45	4.00	1.1961
5/22/03 21:00	3.90	1.1662
5/22/03 21:15	3.80	1.1363
5/22/03 21:30	3.80	1.1363
5/22/03 21:45	3.70	1.1064
5/22/03 22:00	3.60	1.0765
5/22/03 22:15	3.50	1.0466
5/22/03 22:30	3.50	1.0466
5/22/03 22:45	3.40	1.0167
5/22/03 23:00	3.10	0.9270
5/22/03 23:15	2.90	0.8672
5/22/03 23:30	3.00	0.8971
Average	**3.34**	

Instantaneous Data				
Station	Date	Time	Measured DO at sampling time (mg/L)	Estimated daily avg DO at this station (mg/L)

EGNETTE PDF\BS6 DO CALCULATIONS-SEG.XLS

Table H4. Estimation of Daily Average DO Using Continuous Data for Station 020701-BB2.

Continuous Monitoring Data (BB2)		
Date/Time	DO (mg/L)	DO as fraction of daily average
5/21/03 0:00	6.60	0.9994
5/21/03 0:18	6.80	1.0297
5/21/03 0:33	6.80	1.0297
5/21/03 0:48	6.70	1.0145
5/21/03 1:03	6.70	1.0145
5/21/03 1:18	6.60	0.9994
5/21/03 1:33	6.70	1.0145
5/21/03 1:48	6.60	0.9994
5/21/03 2:03	6.60	0.9994
5/21/03 2:18	6.40	0.9691
5/21/03 2:33	6.30	0.9539
5/21/03 2:48	6.00	0.9085
5/21/03 3:03	5.80	0.8782
5/21/03 3:18	6.10	0.9237
5/21/03 3:33	6.40	0.9691
5/21/03 3:48	6.40	0.9691
5/21/03 4:03	6.40	0.9691
5/21/03 4:18	6.40	0.9691
5/21/03 4:33	6.30	0.9539
5/21/03 4:48	6.30	0.9539
5/21/03 5:03	6.20	0.9388
5/21/03 5:18	6.10	0.9237
5/21/03 5:33	6.10	0.9237
5/21/03 5:48	6.10	0.9237
5/21/03 6:03	6.00	0.9085
5/21/03 6:18	6.00	0.9085
5/21/03 6:33	5.90	0.8934
5/21/03 6:48	5.90	0.8934
5/21/03 7:03	5.80	0.8782
5/21/03 7:18	5.80	0.8782
5/21/03 7:33	5.80	0.8782
5/21/03 7:48	5.70	0.8631
5/21/03 8:03	5.60	0.8479
5/21/03 8:18	5.70	0.8631
5/21/03 8:33	5.80	0.8782
5/21/03 8:48	5.80	0.8782
5/21/03 9:03	5.60	0.8479
5/21/03 9:18	5.70	0.8631
5/21/03 9:33	5.70	0.8631
5/21/03 9:48	5.80	0.8782
5/21/03 10:03	5.90	0.8934
5/21/03 10:18	5.90	0.8934
5/21/03 10:33	5.90	0.8934
5/21/03 10:48	5.90	0.8934
5/21/03 11:03	6.00	0.9085
5/21/03 11:18	6.00	0.9085
5/21/03 11:33	6.00	0.9085
5/21/03 11:48	6.00	0.9085
5/21/03 12:03	6.00	0.9085
5/21/03 12:18	5.90	0.8934
5/21/03 12:33	5.90	0.8934
5/21/03 12:48	6.10	0.9237

Continuous Monitoring Data (BB2)

Date/Time	DO (mg/L)	DO as fraction of daily average
5/21/03 13:03	6.10	0.9237
5/21/03 13:18	6.10	0.9237
5/21/03 13:33	6.20	0.9388
5/21/03 13:48	6.50	0.9842
5/21/03 14:03	6.70	1.0145
5/21/03 14:18	7.00	1.0599
5/21/03 14:33	7.00	1.0599
5/21/03 14:48	7.00	1.0599
5/21/03 15:03	6.90	1.0448
5/21/03 15:18	7.50	1.1356
5/21/03 15:33	7.40	1.1205
5/21/03 15:48	7.30	1.1054
5/21/03 16:03	7.00	1.0599
5/21/03 16:18	7.50	1.1356
5/21/03 16:33	6.60	0.9994
5/21/03 16:48	7.40	1.1205
5/21/03 17:03	8.00	1.2114
5/21/03 17:18	7.90	1.1962
5/21/03 17:33	7.20	1.0902
5/21/03 17:48	7.20	1.0902
5/21/03 18:03	7.60	1.1508
5/21/03 18:18	7.70	1.1659
5/21/03 18:33	7.50	1.1356
5/21/03 18:48	7.50	1.1356
5/21/03 19:03	7.60	1.1508
5/21/03 19:18	7.70	1.1659
5/21/03 19:33	7.60	1.1508
5/21/03 19:48	7.50	1.1356
5/21/03 20:03	7.50	1.1356
5/21/03 20:18	7.50	1.1356
5/21/03 20:33	7.40	1.1205
5/21/03 20:48	7.40	1.1205
5/21/03 21:03	7.20	1.0902
5/21/03 21:18	7.20	1.0902
5/21/03 21:33	7.30	1.1054
5/21/03 21:48	7.40	1.1205
5/21/03 22:03	7.30	1.1054
5/21/03 22:18	7.20	1.0902
5/21/03 22:33	7.10	1.0751
5/21/03 22:48	7.00	1.0599
5/21/03 23:03	7.00	1.0599
5/21/03 23:18	7.00	1.0599
5/21/03 23:33	6.90	1.0448
5/21/03 23:48	6.90	1.0448
Average	**6.60**	
5/22/03 0:00	6.80	1.0387
5/22/03 0:18	6.90	1.0540
5/22/03 0:33	6.90	1.0540
5/22/03 0:48	6.80	1.0387
5/22/03 1:03	6.90	1.0540
5/22/03 1:18	6.80	1.0387
5/22/03 1:33	6.80	1.0387
5/22/03 1:48	6.70	1.0234

Continuous Monitoring Data (BB2)

Date/Time	DO (mg/L)	DO as fraction of daily average
5/22/03 2:03	6.70	1.0234
5/22/03 2:18	6.70	1.0234
5/22/03 2:33	6.80	1.0387
5/22/03 2:48	6.80	1.0387
5/22/03 3:03	6.70	1.0234
5/22/03 3:18	6.60	1.0081
5/22/03 3:33	6.60	1.0081
5/22/03 3:48	6.60	1.0081
5/22/03 4:03	6.50	0.9929
5/22/03 4:18	6.40	0.9776
5/22/03 4:33	6.50	0.9929
5/22/03 4:48	6.40	0.9776
5/22/03 5:03	6.40	0.9776
5/22/03 5:18	6.40	0.9776
5/22/03 5:33	6.50	0.9929
5/22/03 5:48	6.50	0.9929
5/22/03 6:03	6.30	0.9623
5/22/03 6:18	5.80	0.8859
5/22/03 6:33	5.90	0.9012
5/22/03 6:48	5.80	0.8859
5/22/03 7:03	5.40	0.8248
5/22/03 7:18	5.00	0.7637
5/22/03 7:33	4.90	0.7485
5/22/03 7:48	4.90	0.7485
5/22/03 8:03	4.90	0.7485
5/22/03 8:18	5.30	0.8096
5/22/03 8:33	5.70	0.8707
5/22/03 8:48	5.70	0.8707
5/22/03 9:03	5.60	0.8554
5/22/03 9:18	5.80	0.8859
5/22/03 9:33	5.80	0.8859
5/22/03 9:48	6.00	0.9165
5/22/03 10:03	6.00	0.9165
5/22/03 10:18	6.30	0.9623
5/22/03 10:33	6.20	0.9470
5/22/03 10:48	6.30	0.9623
5/22/03 11:03	6.40	0.9776
5/22/03 11:18	6.40	0.9776
5/22/03 11:33	6.40	0.9776
5/22/03 11:48	6.50	0.9929
5/22/03 12:03	6.60	1.0081
5/22/03 12:18	6.80	1.0387
5/22/03 12:33	7.20	1.0998
5/22/03 12:48	6.40	0.9776
5/22/03 13:03	5.70	0.8707
5/22/03 13:18	5.60	0.8554
5/22/03 13:33	5.60	0.8554
5/22/03 13:48	5.40	0.8248
5/22/03 14:03	5.40	0.8248
5/22/03 14:18	5.50	0.8401
5/22/03 14:33	5.60	0.8554
5/22/03 14:48	6.10	0.9318
5/22/03 15:03	7.30	1.1151
5/22/03 15:18	7.40	1.1303
5/22/03 15:33	7.40	1.1303

Continuous Monitoring Data (BB2)

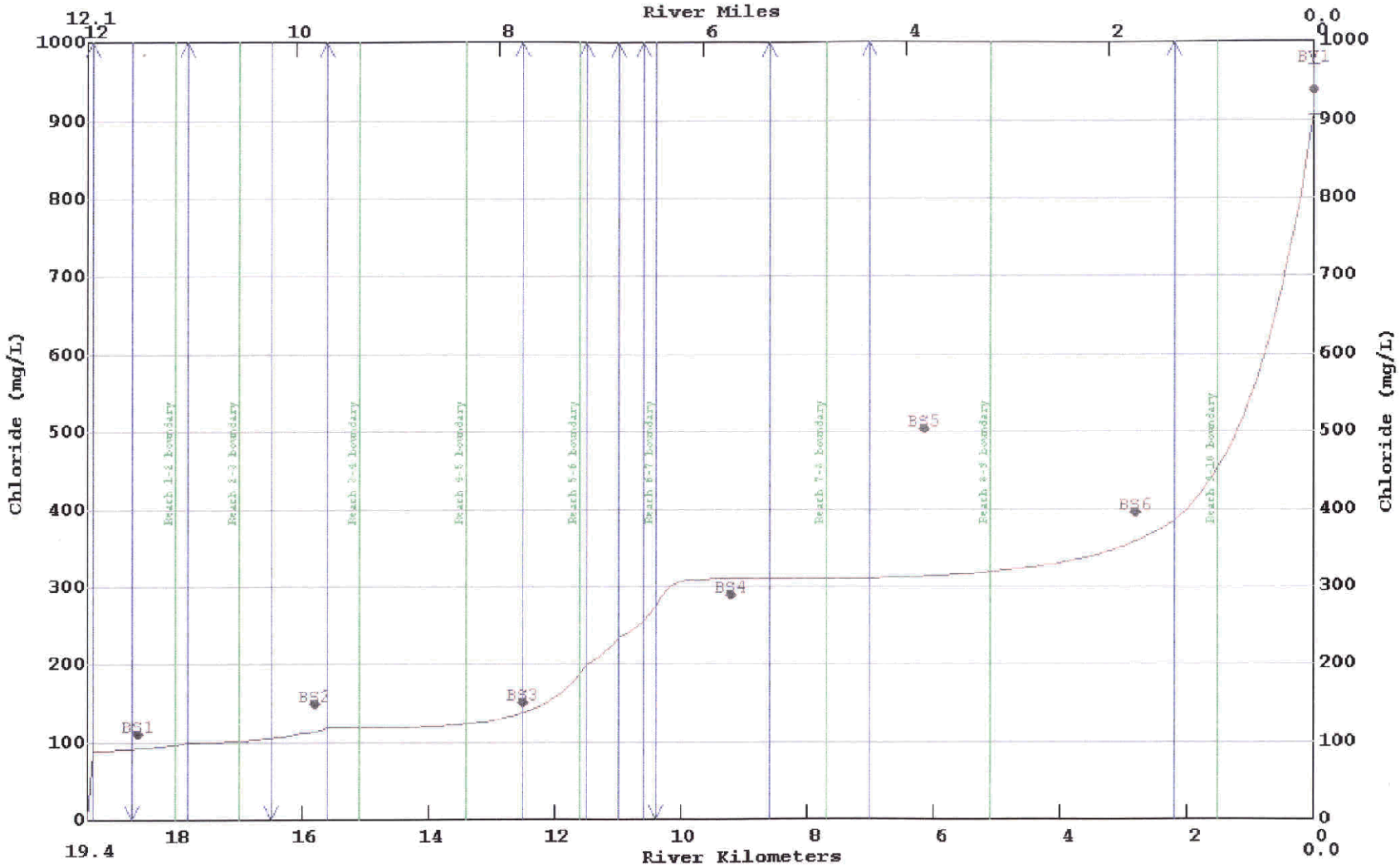
Date/Time	DO (mg/L)	DO as fraction of daily average
5/22/03 15:48	7.50	1.1456
5/22/03 16:03	7.60	1.1609
5/22/03 16:18	7.60	1.1609
5/22/03 16:33	7.60	1.1609
5/22/03 16:48	7.70	1.1762
5/22/03 17:03	7.90	1.2067
5/22/03 17:18	8.00	1.2220
5/22/03 17:33	8.10	1.2373
5/22/03 17:48	8.10	1.2373
5/22/03 18:03	8.20	1.2525
5/22/03 18:18	8.20	1.2525
5/22/03 18:33	8.20	1.2525
5/22/03 18:48	8.20	1.2525
5/22/03 19:03	8.20	1.2525
Average	**6.5**	

EGNETTE PDF\BB2 DO CALCULATIONS-SEG.XLS

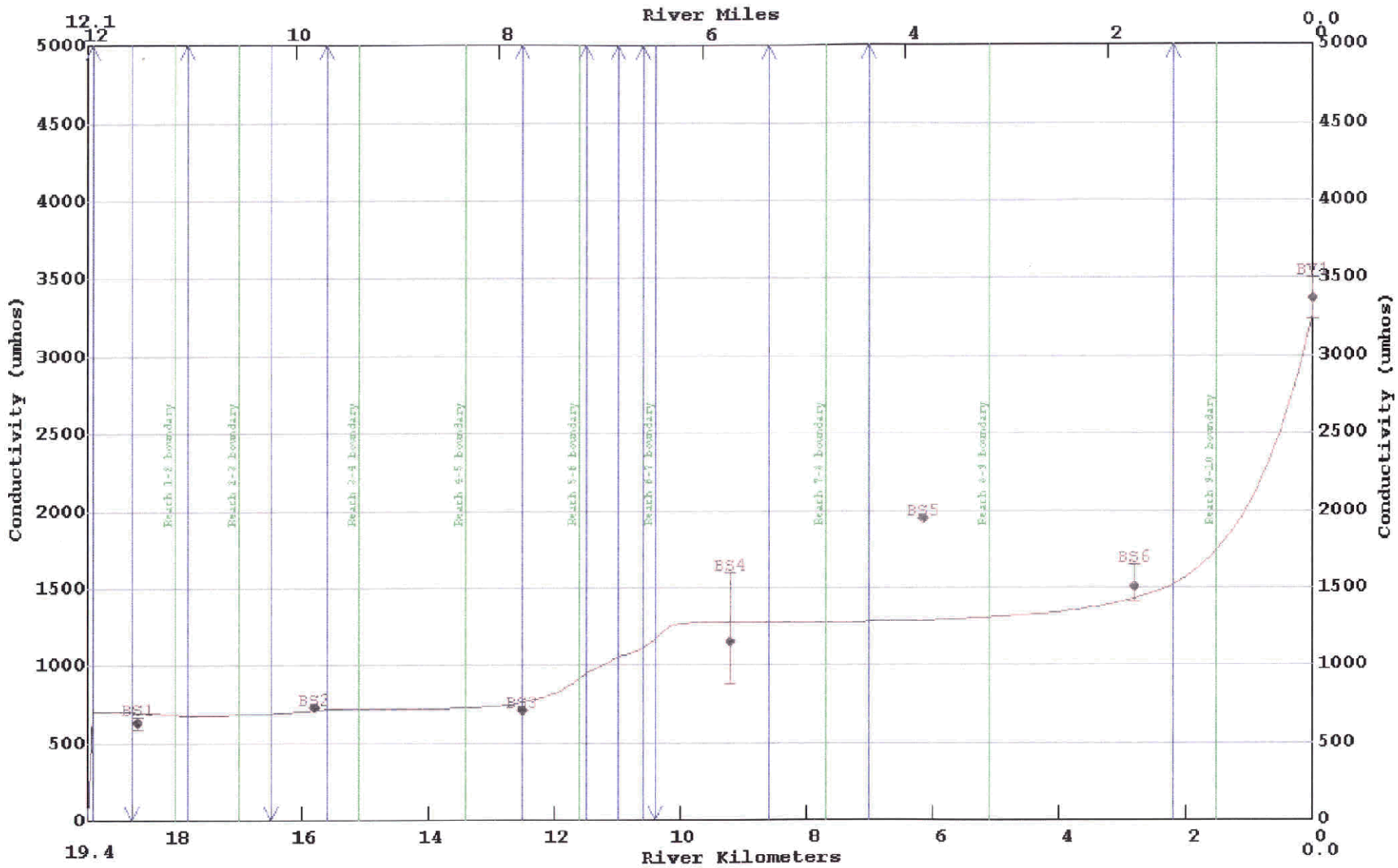
APPENDIX I

Simulation of Chloride and Conductivity

LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_cal11.txt
WQ Calibration, NO point sources min= 0.00 max= 909.27
LA-QUAL simulation of Bayou Segnette (020701)



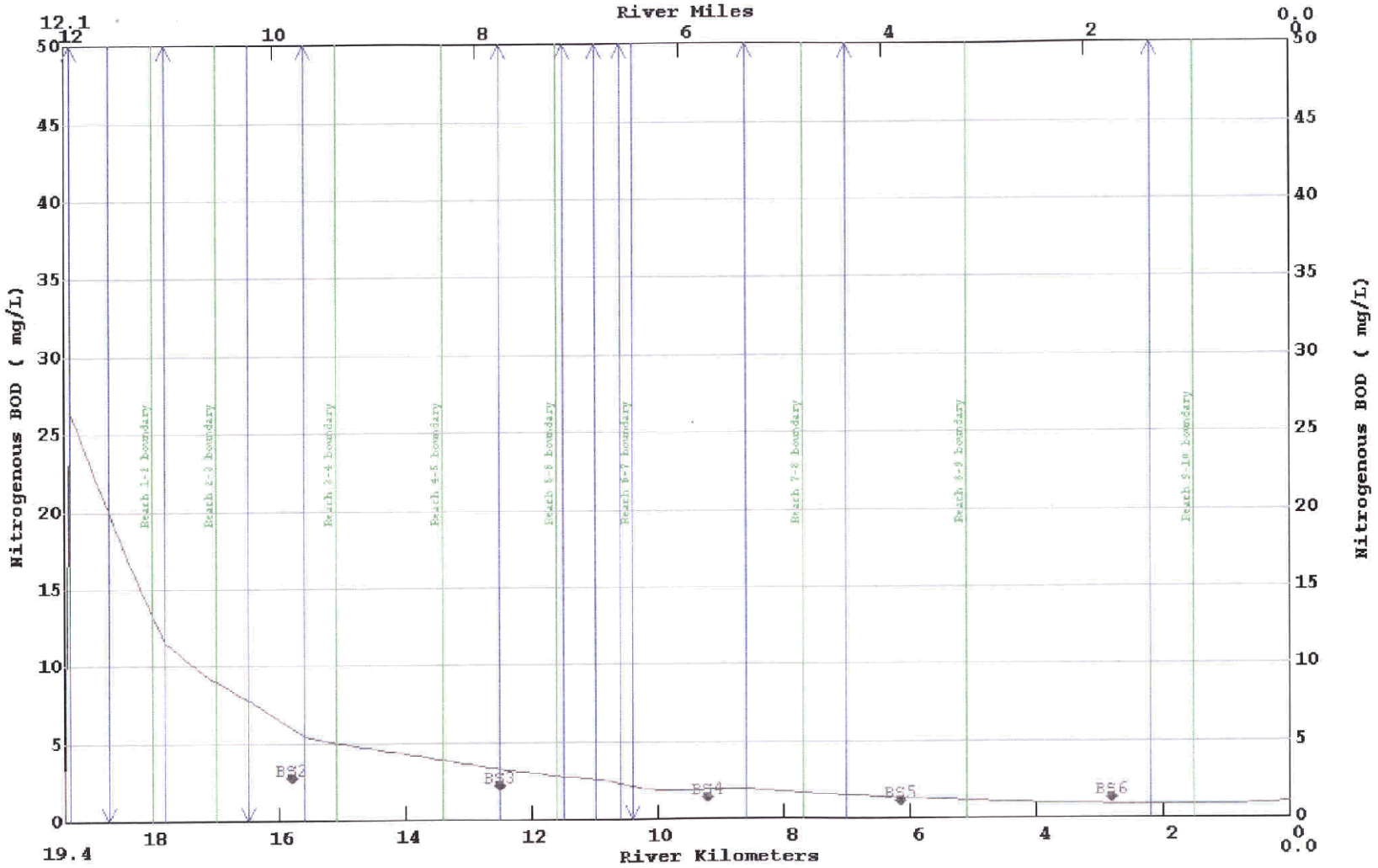
LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_cal11.txt
WQ Calibration, NO point sources min= 0.00 max= 3269.65
LA-QUAL simulation of Bayou Segnette (020701)



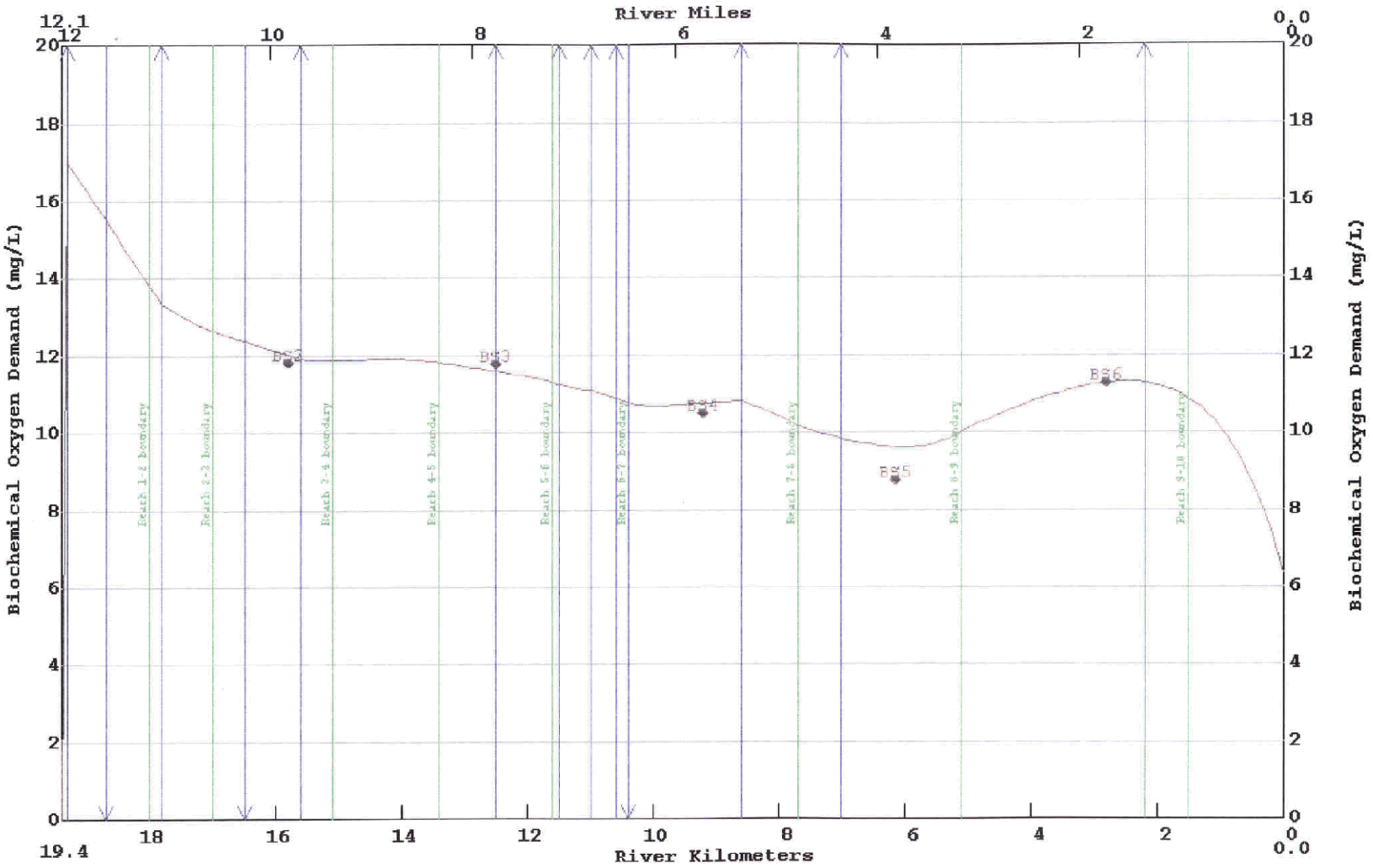
APPENDIX J

Predicted and Observed Water Quality

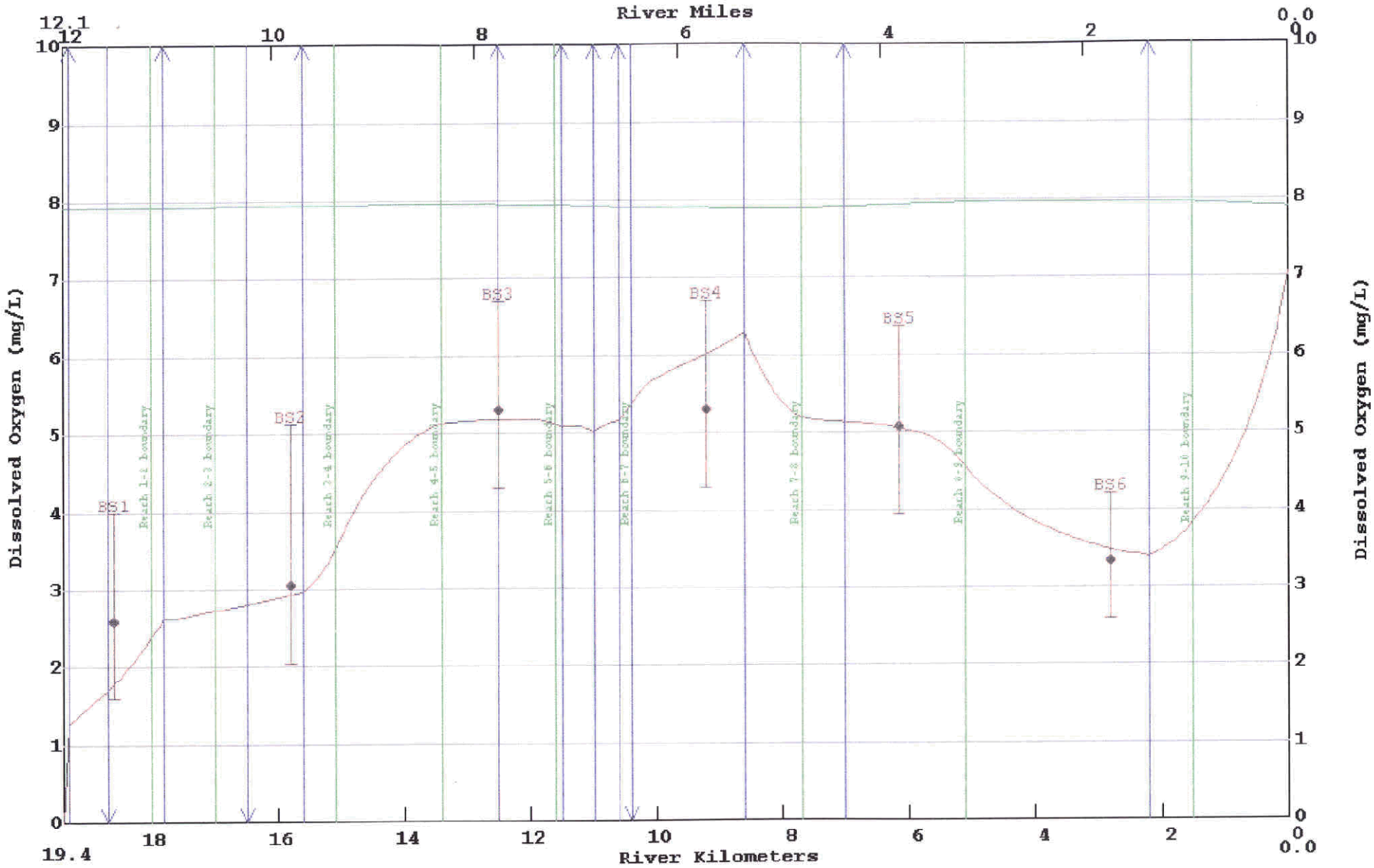
LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_cal11.txt
WQ Calibration, NO point sources min= 0.00 max= 26.46
LA-QUAL simulation of Bayou Segnette (020701)



LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_cal11.txt
WQ Calibration, NO point sources min= 0.00 max= 16.98
LA-QUAL simulation of Bayou Segnette (020701)



LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_call1.txt
WQ Calibration, NO point sources min= 0.00 max= 7.06
LA-QUAL simulation of Bayou Segnette (020701)



APPENDIX K

Printout of Model Output for Calibration

```
LA-QUAL Version 6.02
Louisiana Department of Environmental Quality

Input file is R:\projects\3110-051\la-qual\segnette\no pts source\calib\seg_cal11.txt
Output produced at 08:29 on 03/30/2004

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL simulation of Bayou Segnette (020701)
TITLE02         WQ Calibration, NO point sources
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  YES   CONSERVATIVE MATERIAL  I = Chloride                  IN mg/L      CL
MODOPT04  YES   CONSERVATIVE MATERIAL II = Conductivity              IN umhos     COND
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07   NO   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12  YES   NONCONSERVATIVE MATERIAL = Nitrogenous BOD             IN mg/L     NBOD
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         NCM OXYGEN UPTAKE RATE             =         1.00000 mg O/mg NCM
PROGRAM         KL MINIMUM                         =         1.51000 meters/day
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	BS	Bayou Segnette	19.40	TO	18.00	0.1000	1.40	14	1	14
REACH ID	2	BS	Bayou Segnette	18.00	TO	17.00	0.1000	1.00	10	15	24
REACH ID	3	BS	Bayou Segnette	17.00	TO	15.10	0.1000	1.90	19	25	43
REACH ID	4	BS	Bayou Segnette	15.10	TO	13.40	0.1000	1.70	17	44	60
REACH ID	5	BS	Bayou Segnette	13.40	TO	11.60	0.1000	1.80	18	61	78
REACH ID	6	BS	Bayou Segnette	11.60	TO	10.40	0.1000	1.20	12	79	90
REACH ID	7	BS	Bayou Segnette	10.40	TO	7.70	0.1000	2.70	27	91	117
REACH ID	8	BS	Bayou Segnette	7.70	TO	5.10	0.1000	2.60	26	118	143
REACH ID	9	BS	Bayou Segnette	5.10	TO	1.50	0.1000	3.60	36	144	179
REACH ID	10	BS	Bayou Segnette	1.50	TO	0.00	0.1000	1.50	15	180	194

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	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	2	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	3	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	4	BS	0.000	0.000	112.200	0.000	0.000	0.960	0.00000	0.000
HYDR-1	5	BS	0.000	0.000	128.000	0.000	0.000	0.970	0.00000	0.000
HYDR-1	6	BS	0.000	0.000	162.100	0.000	0.000	1.120	0.00000	0.000
HYDR-1	7	BS	0.000	0.000	68.300	0.000	0.000	0.830	0.00000	0.000
HYDR-1	8	BS	0.000	0.000	88.000	0.000	0.000	0.900	0.00000	0.000
HYDR-1	9	BS	0.000	0.000	78.200	0.000	0.000	1.140	0.00000	0.000
HYDR-1	10	BS	0.000	0.000	68.600	0.000	0.000	1.090	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"
HYDR	1	BS	0.00	8.000	0.000	0.000	0.000
HYDR	2	BS	0.00	8.000	0.000	0.000	0.000
HYDR	3	BS	0.00	8.000	0.000	0.000	0.000
HYDR	4	BS	0.00	8.000	0.000	0.000	0.000
HYDR	5	BS	0.00	8.000	0.000	0.000	0.000
HYDR	6	BS	0.00	8.000	0.000	0.000	0.000
HYDR	7	BS	0.00	11.000	0.000	0.000	0.000
HYDR	8	BS	0.00	14.000	0.000	0.000	0.000
HYDR	9	BS	0.00	17.000	0.000	0.000	0.000
HYDR	10	BS	0.00	20.000	0.000	0.000	0.000

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	BS	27.10	0.36	2.60	0.00	0.00	0.00	0.00	0.00
INITIAL	2	BS	27.10	0.36	2.82	0.00	0.00	0.00	0.00	0.00
INITIAL	3	BS	27.10	0.36	3.05	0.00	0.00	0.00	0.00	0.00
INITIAL	4	BS	27.00	0.37	4.15	0.00	0.00	0.00	0.00	0.00
INITIAL	5	BS	26.90	0.37	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	6	BS	27.00	0.51	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	7	BS	27.20	0.64	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	8	BS	27.20	1.04	5.07	0.00	0.00	0.00	0.00	0.00
INITIAL	9	BS	26.80	0.83	3.34	0.00	0.00	0.00	0.00	0.00
INITIAL	10	BS	26.80	0.83	3.34	0.00	0.00	0.00	0.00	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 BOD DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	BS	15	LOUISIANA	0.000	0.000	0.000	0.200	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	BS	15	LOUISIANA	0.000	0.000	0.000	1.500	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	BS	15	LOUISIANA	0.000	0.000	0.000	3.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	BS	15	LOUISIANA	0.000	0.000	0.000	1.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	BS	15	LOUISIANA	0.000	0.000	0.000	2.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	BS	15	LOUISIANA	0.000	0.000	0.000	1.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	BS	15	LOUISIANA	0.000	0.000	0.000	4.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	BS	15	LOUISIANA	0.000	0.000	0.000	2.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	BS	15	LOUISIANA	0.000	0.000	0.000	4.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	BS	15	LOUISIANA	0.000	0.000	0.000	3.000	0.060	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 DECA	ORG-N SETT	ORGN CONV TO NH3	SRCE	NH3 DECA	NH3 SRCE	PHOS SRCE	DENIT RATE

ENDATA13

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

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

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF	NCM DECAY	NCM SETT	NCM CONV TO SOD
COEF-4	1	BS	0.000	0.250	0.000	0.000
COEF-4	2	BS	0.000	0.250	0.000	0.000
COEF-4	3	BS	0.000	0.130	0.000	0.000
COEF-4	4	BS	0.000	0.110	0.000	0.000
COEF-4	5	BS	0.000	0.110	0.000	0.000
COEF-4	6	BS	0.000	0.110	0.000	0.000
COEF-4	7	BS	0.000	0.110	0.000	0.000
COEF-4	8	BS	0.000	0.110	0.000	0.000
COEF-4	9	BS	0.000	0.110	0.000	0.000
COEF-4	10	BS	0.000	0.110	0.000	0.000

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  BS        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           2  BS        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           3  BS      150.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           4  BS      200.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           5  BS      150.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           6  BS        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           7  BS        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           8  BS        0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           9  BS      600.00      0.00      0.00      0.00      0.00      0.00
NONPOINT          10  BS      200.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

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

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

HDWTR-1           1     Bayou Segnette          0   0.00000    0.000    0.00     0.00     0.000     0.000
ENDATA20

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

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

HDWTR-2           1     Bayou Segnette            0.00      0.00      0.00      0.00      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

HDWTR-3           1     Bayou Segnette            0.00      0.00      0.00      0.00
ENDATA22

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

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

ENDATA23
```

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m³/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
WSTLD-1	1	19.40	Westwego 2 Pump St	0.90000	31.77966	20.543	25.30	10.37	84.400	718.000
WSTLD-1	7	18.80	Outer Cat Canal N	-0.26000	-9.18079	-5.935	27.30	0.31	115.000	609.000
WSTLD-1	16	17.90	Outer Cat Canal S	0.55000	19.42090	12.554	27.30	0.31	115.000	609.000
WSTLD-1	29	16.60	UCA North connection	-0.30000	-10.59322	-6.848	26.50	0.41	154.000	788.000
WSTLD-1	38	15.70	UCA South connection	0.60000	21.18644	13.695	26.50	0.41	154.000	788.000
WSTLD-1	69	12.60	Storage area	0.28000	9.88701	6.391	26.90	0.37	151.000	710.800
WSTLD-1	79	11.60	Millaudon Canal N	0.35000	12.35876	7.989	26.80	0.78	363.000	1475.000
WSTLD-1	84	11.10	Millaudon Canal S	0.70000	24.71751	15.978	26.80	0.78	363.000	1475.000
WSTLD-1	88	10.70	Tarpaper Canal	0.40000	14.12429	9.130	27.00	0.49	234.000	931.000
WSTLD-1	90	10.50	Bayou Bardeaux North	-8.65000	-305.43784	-197.439	27.40	0.53	310.000	1279.000
WSTLD-1	108	8.70	Bayou Bardeaux South	6.54000	230.93221	149.277	27.40	0.53	310.000	1279.000
WSTLD-1	124	7.10	Drill hole to Lk Sal	0.01000	0.35311	0.228	27.40	0.53	310.000	1279.000
WSTLD-1	172	2.30	Pipeline Canal	0.36000	12.71187	8.217	25.90	0.64	304.000	1210.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD#2 mg/L
WSTLD-1	1	Westwego 2 Pump St	0.24	19.60	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	7	Outer Cat Canal N	5.13	11.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	5.13	11.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	29	UCA North connection	1.69	11.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	1.69	11.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	69	Storage area	4.80	11.80	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	79	Millaudon Canal N	2.80	12.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	84	Millaudon Canal S	2.80	12.30	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	88	Tarpaper Canal	2.59	10.90	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	90	Bayou Bardeaux North	6.58	10.90	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	6.58	10.90	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	124	Drill hole to Lk Sal	6.58	10.90	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	172	Pipeline Canal	1.27	11.50	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

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

WSTLD-1           1     Westwego 2 Pump St          0.00      0.00      0.00     39.10
WSTLD-1           7     Outer Cat Canal N           0.00      0.00      0.00      3.57
WSTLD-1          16     Outer Cat Canal S           0.00      0.00      0.00      3.57
WSTLD-1          29     UCA North connection        0.00      0.00      0.00      1.88
WSTLD-1          38     UCA South connection        0.00      0.00      0.00      1.88
WSTLD-1          69     Storage area                0.00      0.00      0.00      2.25
WSTLD-1          79     Millaudon Canal N           0.00      0.00      0.00      3.16
WSTLD-1          84     Millaudon Canal S           0.00      0.00      0.00      3.16
WSTLD-1          88     Tarpaper Canal              0.00      0.00      0.00      1.78
WSTLD-1          90     Bayou Bardeaux North        0.00      0.00      0.00      1.98
WSTLD-1         108     Bayou Bardeaux South        0.00      0.00      0.00      1.98
WSTLD-1         124     Drill hole to Lk Sal        0.00      0.00      0.00      1.98
WSTLD-1         172     Pipeline Canal              0.00      0.00      0.00      1.22
ENDATA26

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

CARD TYPE    CONSTITUENT                     CONCENTRATION

LOWER BC     TEMPERATURE                       =     26.900     deg C
LOWER BC     SALINITY                          =      1.830     ppt
LOWER BC     CONSERVATIVE MATERIAL I  (Cl)     =    939.000     mg/L
LOWER BC     CONSERVATIVE MATERIAL II (Cond)   =   3369.000     umhos
LOWER BC     DISSOLVED OXYGEN                  =      7.310     mg/L
LOWER BC     BIOCHEMICAL OXYGEN DEMAND (CBODu) =      6.020     mg/L
LOWER BC     CHLOROPHYLL A                     =      0.000     µg/L
LOWER BC     NONCONSERVATIVE MATERIAL (NBODu)  =      1.100      mg/L
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 =  1
NUMBER OF REACHES IN PLOT 1 =  10
PLOT RCH  1  2  3  4  5  6  7  8  9 10
ENDATA30

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

```
OVERLAY 1 SEG4r.OVL
ENDATA31


     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....OXYGEN DEPENDENT RATES CONVERGENT IN  14 ITERATIONS
     .....CONSTITUENT CALCULATIONS COMPLETED
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
```

CONDENSED CAPSULE SUMMARY FOR Bayou Segnette

DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORGN mg/L	NH3 µg/L	CHLA 1/da	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	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
19.30	0.90000	27.10	0.36	1.27	16.98	0.00	0.00	0.00	0.00	1.37	0.06	0.00	0.00	0.00	0.00	0.20
19.20	0.90000	27.10	0.36	1.34	16.75	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	0.21
19.10	0.90000	27.10	0.36	1.42	16.52	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	0.22
19.00	0.90000	27.10	0.36	1.49	16.28	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	0.23
18.90	0.90000	27.10	0.36	1.56	16.04	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	0.24
18.80	0.90000	27.10	0.36	1.63	15.79	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	0.25
18.70	0.64000	27.10	0.36	1.71	15.54	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	0.27
18.60	0.64000	27.10	0.36	1.79	15.28	0.00	0.00	0.00	0.00	1.37	0.09	0.00	0.00	0.00	0.00	0.28
18.50	0.64000	27.10	0.36	1.87	15.03	0.00	0.00	0.00	0.00	1.37	0.09	0.00	0.00	0.00	0.00	0.29
18.40	0.64000	27.10	0.36	1.96	14.77	0.00	0.00	0.00	0.00	1.37	0.09	0.00	0.00	0.00	0.00	0.30
18.30	0.64000	27.10	0.36	2.06	14.53	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	0.31
18.20	0.64000	27.10	0.36	2.17	14.28	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	0.31
18.10	0.64000	27.10	0.36	2.28	14.04	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	0.31
18.00	0.64000	27.10	0.36	2.39	13.81	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	0.31
17.90	0.64000	27.10	0.36	2.50	13.57	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.80	1.19000	27.10	0.36	2.62	13.34	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.70	1.19000	27.10	0.36	2.63	13.23	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.60	1.19000	27.10	0.36	2.63	13.13	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.50	1.19000	27.10	0.36	2.65	13.03	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.40	1.19000	27.10	0.36	2.66	12.94	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.30	1.19000	27.10	0.36	2.68	12.85	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.20	1.19000	27.10	0.36	2.70	12.77	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.10	1.19000	27.10	0.36	2.71	12.70	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
17.00	1.19000	27.10	0.36	2.73	12.64	0.00	0.00	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.00	2.35
16.90	1.19000	27.09	0.36	2.74	12.59	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.47
16.80	1.19000	27.09	0.36	2.75	12.54	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.47
16.70	1.19000	27.08	0.36	2.76	12.49	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.47
16.60	1.19000	27.08	0.36	2.78	12.44	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.47
16.50	0.89000	27.07	0.36	2.80	12.38	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
16.40	0.89000	27.07	0.36	2.82	12.33	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
16.30	0.89000	27.06	0.36	2.84	12.28	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
16.20	0.89000	27.06	0.36	2.86	12.22	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
16.10	0.89000	27.05	0.36	2.88	12.17	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
16.00	0.89000	27.05	0.37	2.90	12.12	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.46
15.90	0.89000	27.04	0.37	2.92	12.06	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.45

15.80	0.89000	27.04	0.37	2.94	12.01	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.45
15.70	0.89000	27.03	0.37	2.95	11.96	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.45
15.60	1.49000	27.03	0.37	2.96	11.91	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.45
15.50	1.49000	27.02	0.37	3.05	11.90	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.45
15.40	1.49000	27.02	0.37	3.14	11.89	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.44
15.30	1.49000	27.01	0.37	3.25	11.88	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.44
15.20	1.49000	27.01	0.37	3.37	11.88	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.44
15.10	1.49000	27.00	0.37	3.51	11.88	0.00	0.00	0.00	0.00	1.37	0.08	0.00	0.00	0.00	0.00	5.44
15.00	1.49000	26.99	0.37	3.69	11.88	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.90	1.49000	26.99	0.37	3.86	11.89	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.80	1.49000	26.98	0.37	4.02	11.90	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.70	1.49000	26.98	0.37	4.16	11.90	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.60	1.49000	26.97	0.37	4.29	11.90	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.50	1.49000	26.96	0.37	4.41	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.33
14.40	1.49000	26.96	0.37	4.52	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
14.30	1.49000	26.95	0.37	4.61	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
14.20	1.49000	26.95	0.37	4.70	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
14.10	1.49000	26.94	0.37	4.78	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
14.00	1.49000	26.94	0.37	4.86	11.91	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.90	1.49000	26.93	0.37	4.92	11.90	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.80	1.49000	26.92	0.37	4.98	11.89	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.70	1.49000	26.92	0.37	5.03	11.88	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.60	1.49000	26.91	0.37	5.07	11.86	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.50	1.49000	26.91	0.37	5.10	11.85	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.40	1.49000	26.90	0.37	5.13	11.82	0.00	0.00	0.00	0.00	1.79	0.08	0.00	0.00	0.00	0.00	2.32
13.30	1.49000	26.91	0.38	5.14	11.79	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
13.20	1.49000	26.91	0.39	5.15	11.77	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
13.10	1.49000	26.92	0.39	5.16	11.74	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
13.00	1.49000	26.92	0.40	5.16	11.72	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
12.90	1.49000	26.93	0.41	5.17	11.69	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
12.80	1.49000	26.93	0.42	5.18	11.67	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.09
12.70	1.49000	26.94	0.42	5.18	11.64	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.60	1.49000	26.94	0.43	5.18	11.62	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.50	1.77000	26.95	0.44	5.18	11.60	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.40	1.77000	26.96	0.45	5.18	11.57	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.30	1.77000	26.96	0.46	5.19	11.54	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.20	1.77000	26.97	0.46	5.19	11.51	0.00	0.00	0.00	0.00	1.77	0.08	0.00	0.00	0.00	0.00	3.10
12.10	1.77000	26.97	0.47	5.19	11.48	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.10
12.00	1.77000	26.98	0.48	5.18	11.45	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.10
11.90	1.77000	26.98	0.49	5.18	11.41	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.10
11.80	1.77000	26.99	0.49	5.16	11.38	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.11
11.70	1.77000	26.99	0.50	5.14	11.34	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.11
11.60	1.77000	27.00	0.51	5.12	11.30	0.00	0.00	0.00	0.00	1.78	0.08	0.00	0.00	0.00	0.00	3.11
11.50	2.12000	27.02	0.52	5.09	11.26	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.33
11.40	2.12000	27.03	0.53	5.10	11.22	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.34
11.30	2.12000	27.05	0.54	5.10	11.18	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.34
11.20	2.12000	27.07	0.55	5.09	11.14	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.34
11.10	2.12000	27.08	0.56	5.06	11.12	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.34
11.00	2.82000	27.10	0.57	5.02	11.11	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.35
10.90	2.82000	27.12	0.59	5.07	11.05	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.35
10.80	2.82000	27.13	0.60	5.11	10.99	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.35
10.70	2.82000	27.15	0.61	5.14	10.93	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.35
10.60	3.22000	27.17	0.62	5.17	10.88	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.36
10.50	3.22000	27.18	0.63	5.26	10.83	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.36
10.40	-5.43000	27.20	0.64	5.37	10.78	0.00	0.00	0.00	0.00	1.54	0.08	0.00	0.00	0.00	0.00	2.36
10.30	-5.43000	27.20	0.65	5.48	10.73	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29

10.20	-5.43000	27.20	0.67	5.59	10.70	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
10.10	-5.43000	27.20	0.68	5.66	10.69	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
10.00	-5.43000	27.20	0.70	5.71	10.69	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.90	-5.43000	27.20	0.71	5.76	10.69	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.80	-5.43000	27.20	0.73	5.79	10.70	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.70	-5.43000	27.20	0.74	5.83	10.71	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.60	-5.43000	27.20	0.76	5.87	10.71	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.50	-5.43000	27.20	0.77	5.91	10.73	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.40	-5.43000	27.20	0.79	5.94	10.74	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.30	-5.43000	27.20	0.80	5.98	10.75	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.20	-5.43000	27.20	0.82	6.02	10.76	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.10	-5.43000	27.20	0.83	6.06	10.77	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
9.00	-5.43000	27.20	0.85	6.11	10.78	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
8.90	-5.43000	27.20	0.86	6.15	10.79	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
8.80	-5.43000	27.20	0.88	6.20	10.80	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
8.70	-5.43000	27.20	0.89	6.24	10.81	0.00	0.00	0.00	0.00	2.80	0.08	0.00	0.00	0.00	0.00	6.29
8.60	1.11000	27.20	0.91	6.29	10.82	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.50	1.11000	27.20	0.92	6.10	10.76	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.40	1.11000	27.20	0.94	5.92	10.70	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.30	1.11000	27.20	0.95	5.76	10.63	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.20	1.11000	27.20	0.97	5.62	10.57	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.10	1.11000	27.20	0.98	5.50	10.50	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
8.00	1.11000	27.20	1.00	5.39	10.43	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
7.90	1.11000	27.20	1.01	5.31	10.35	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
7.80	1.11000	27.20	1.03	5.24	10.27	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
7.70	1.11000	27.20	1.04	5.19	10.19	0.00	0.00	0.00	0.00	2.08	0.08	0.00	0.00	0.00	0.00	6.29
7.60	1.11000	27.18	1.03	5.18	10.12	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.93
7.50	1.11000	27.17	1.02	5.17	10.07	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.93
7.40	1.11000	27.15	1.02	5.16	10.02	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.92
7.30	1.11000	27.14	1.01	5.15	9.97	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.92
7.20	1.11000	27.12	1.00	5.15	9.93	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.92
7.10	1.11000	27.11	0.99	5.14	9.89	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.91
7.00	1.12000	27.09	0.98	5.13	9.85	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.91
6.90	1.12000	27.08	0.98	5.13	9.81	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.90
6.80	1.12000	27.06	0.97	5.12	9.77	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.90
6.70	1.12000	27.05	0.96	5.11	9.74	0.00	0.00	0.00	0.00	1.92	0.08	0.00	0.00	0.00	0.00	3.90
6.60	1.12000	27.03	0.95	5.11	9.71	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.89
6.50	1.12000	27.02	0.94	5.10	9.68	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.89
6.40	1.12000	27.00	0.94	5.09	9.66	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.88
6.30	1.12000	26.98	0.93	5.08	9.65	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.88
6.20	1.12000	26.97	0.92	5.06	9.63	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.88
6.10	1.12000	26.95	0.91	5.05	9.63	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.87
6.00	1.12000	26.94	0.90	5.03	9.63	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.87
5.90	1.12000	26.92	0.89	5.01	9.63	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.87
5.80	1.12000	26.91	0.89	4.98	9.65	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.86
5.70	1.12000	26.89	0.88	4.95	9.67	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.86
5.60	1.12000	26.88	0.87	4.91	9.70	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.85
5.50	1.12000	26.86	0.86	4.86	9.74	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.85
5.40	1.12000	26.85	0.85	4.80	9.79	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.85
5.30	1.12000	26.83	0.85	4.74	9.85	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.84
5.20	1.12000	26.82	0.84	4.65	9.92	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.84
5.10	1.12000	26.80	0.83	4.55	10.01	0.00	0.00	0.00	0.00	1.91	0.08	0.00	0.00	0.00	0.00	3.84
5.00	1.12000	26.80	0.83	4.45	10.10	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.90	1.12000	26.80	0.83	4.37	10.18	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.80	1.12000	26.80	0.83	4.29	10.25	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.70	1.12000	26.80	0.83	4.22	10.32	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91

4.60	1.12000	26.80	0.83	4.16	10.39	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.50	1.12000	26.80	0.83	4.09	10.46	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.40	1.12000	26.80	0.83	4.03	10.53	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.30	1.12000	26.80	0.83	3.98	10.60	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.20	1.12000	26.80	0.83	3.93	10.66	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.10	1.12000	26.80	0.83	3.88	10.72	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
4.00	1.12000	26.80	0.83	3.84	10.78	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.90	1.12000	26.80	0.83	3.79	10.84	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.80	1.12000	26.80	0.83	3.76	10.90	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.70	1.12000	26.80	0.83	3.72	10.95	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.60	1.12000	26.80	0.83	3.69	11.00	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.50	1.12000	26.80	0.83	3.65	11.05	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.40	1.12000	26.80	0.83	3.62	11.09	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.30	1.12000	26.80	0.83	3.60	11.13	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.20	1.12000	26.80	0.83	3.57	11.17	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.10	1.12000	26.80	0.83	3.55	11.20	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
3.00	1.12000	26.80	0.83	3.52	11.23	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.90	1.12000	26.80	0.83	3.50	11.26	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.80	1.12000	26.80	0.83	3.48	11.28	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.70	1.12000	26.80	0.83	3.47	11.30	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.60	1.12000	26.80	0.83	3.45	11.31	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.50	1.12000	26.80	0.83	3.43	11.31	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.40	1.12000	26.80	0.83	3.42	11.31	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.30	1.12000	26.80	0.83	3.40	11.30	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.20	1.48000	26.80	0.83	3.39	11.29	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.10	1.48000	26.80	0.83	3.43	11.26	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
2.00	1.48000	26.80	0.83	3.48	11.23	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.90	1.48000	26.80	0.83	3.53	11.18	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.80	1.48000	26.80	0.83	3.59	11.12	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.70	1.48000	26.80	0.83	3.66	11.06	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.60	1.48000	26.80	0.83	3.74	10.97	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.50	1.48000	26.80	0.83	3.83	10.88	0.00	0.00	0.00	0.00	1.51	0.08	0.00	0.00	0.00	0.00	6.91
1.40	1.48000	26.81	0.90	3.94	10.76	0.00	0.00	0.00	0.00	1.57	0.08	0.00	0.00	0.00	0.00	4.61
1.30	1.48000	26.81	0.96	4.05	10.63	0.00	0.00	0.00	0.00	1.57	0.08	0.00	0.00	0.00	0.00	4.61
1.20	1.48000	26.82	1.03	4.17	10.48	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.61
1.10	1.48000	26.83	1.10	4.30	10.31	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.61
1.00	1.48000	26.83	1.16	4.44	10.12	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.61
0.90	1.48000	26.84	1.23	4.59	9.91	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.80	1.48000	26.85	1.30	4.76	9.66	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.70	1.48000	26.85	1.36	4.94	9.39	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.60	1.48000	26.86	1.43	5.14	9.09	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.50	1.48000	26.87	1.50	5.37	8.74	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.40	1.48000	26.87	1.56	5.63	8.36	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.62
0.30	1.48000	26.88	1.63	5.92	7.94	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.63
0.20	1.48000	26.89	1.70	6.25	7.46	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.63
0.10	1.48000	26.89	1.76	6.63	6.93	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.63
0.00	1.48000	26.90	1.83	7.06	6.35	0.00	0.00	0.00	0.00	1.58	0.08	0.00	0.00	0.00	0.00	4.63

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 1 Bayou Segnette WQ Calibration, NO point sources

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

ELEM	TYPE	FLOW	TEMP	SALN	CL	COND	DO	BOD#1	BOD#2	EBOD#1	EBOD#2	ORGN	NH3	NO3+2	PHOS	CHL A	COLI	NBOD

NO.			deg C	ppt	mg/L	umhos	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	#/100mL	mg/L
1	HDWTR	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	WSTLD	0.90000	25.30	10.37	84.40	718.00	0.24	19.60	0.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.10
7	WSTLD	-0.26000	27.10	0.36	91.33	697.79	1.71	15.54	0.00	15.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.07

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	19.40	19.30	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
2	19.30	19.20	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
3	19.20	19.10	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
4	19.10	19.00	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
5	19.00	18.90	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
6	18.90	18.80	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
7	18.80	18.70	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
8	18.70	18.60	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
9	18.60	18.50	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
10	18.50	18.40	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
11	18.40	18.30	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
12	18.30	18.20	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
13	18.20	18.10	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
14	18.10	18.00	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
TOT						2.70			170402.39	135240.00					
AVG					0.00600		1.26	96.60			121.72				
CUM						2.70									

********** 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
NSM SETT 1/da																						
1	19.300	7.94	1.37	0.06	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
2	19.200	7.94	1.37	0.07	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
3	19.100	7.94	1.37	0.07	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
4	19.000	7.94	1.37	0.07	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
5	18.900	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
6	18.800	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
7	18.700	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34
8	18.600	7.94	1.37	0.09	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36
9	18.500	7.94	1.37	0.09	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38
10	18.400	7.94	1.37	0.09	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39
11	18.300	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
12	18.200	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
13	18.100	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
14	18.000	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	0.31	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
AVG 20 DEG C RATE			1.20	0.07	0.00	0.00	0.00	0.00	0.00	0.20			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
1	19.300	27.10	0.36	88.48	706.11	1.27	16.98	0.00	16.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	26.46
2	19.200	27.10	0.36	88.86	705.01	1.34	16.75	0.00	16.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	25.39
3	19.100	27.10	0.36	89.27	703.81	1.42	16.52	0.00	16.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	24.32
4	19.000	27.10	0.36	89.72	702.50	1.49	16.28	0.00	16.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	23.26
5	18.900	27.10	0.36	90.21	701.06	1.56	16.04	0.00	16.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	22.19
6	18.800	27.10	0.36	90.75	699.50	1.63	15.79	0.00	15.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	21.13
7	18.700	27.10	0.36	91.33	697.79	1.71	15.54	0.00	15.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	20.07
8	18.600	27.10	0.36	91.97	695.92	1.79	15.28	0.00	15.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	19.02
9	18.500	27.10	0.36	92.66	693.93	1.87	15.03	0.00	15.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	17.99
10	18.400	27.10	0.36	93.38	691.80	1.96	14.77	0.00	14.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	16.99
11	18.300	27.10	0.36	94.16	689.54	2.06	14.53	0.00	14.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	16.03
12	18.200	27.10	0.36	94.99	687.13	2.17	14.28	0.00	14.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	15.09
13	18.100	27.10	0.36	95.87	684.56	2.28	14.04	0.00	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	14.18
14	18.000	27.10	0.36	96.81	681.83	2.39	13.81	0.00	13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	13.29

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
15	UPR RCH	0.64000	27.10	0.36	96.81	681.83	2.39	13.81	0.00	13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.29
16	WSTLD	0.55000	27.30	0.31	115.00	609.00	5.13	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.57

********** 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
15	18.00	17.90	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
16	17.90	17.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
17	17.80	17.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
18	17.70	17.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
19	17.60	17.50	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
20	17.50	17.40	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
21	17.40	17.30	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
22	17.30	17.20	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
23	17.20	17.10	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
24	17.10	17.00	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
TOT						1.29			121716.01	96600.00					
AVG					0.00900		1.26	96.60			121.72				
CUM						3.99									

********** 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
15	17.900	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
16	17.800	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
17	17.700	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
18	17.600	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
19	17.500	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
20	17.400	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
21	17.300	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
22	17.200	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
23	17.100	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
24	17.000	7.94	1.37	0.10	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40
AVG	20 DEG C RATE		1.20	0.07	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
15	17.900	27.10	0.36	97.81	678.91	2.50	13.57	0.00	13.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	12.43
16	17.800	27.10	0.36	98.87	675.80	2.62	13.34	0.00	13.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	11.58
17	17.700	27.10	0.36	99.10	676.26	2.63	13.23	0.00	13.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	11.19
18	17.600	27.10	0.36	99.35	676.77	2.63	13.13	0.00	13.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	10.82
19	17.500	27.10	0.36	99.63	677.35	2.65	13.03	0.00	13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	10.47
20	17.400	27.10	0.36	99.95	678.00	2.66	12.94	0.00	12.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	10.13
21	17.300	27.10	0.36	100.31	678.73	2.68	12.85	0.00	12.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	9.82
22	17.200	27.10	0.36	100.71	679.55	2.70	12.77	0.00	12.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	9.52
23	17.100	27.10	0.36	101.16	680.46	2.71	12.70	0.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	9.25
24	17.000	27.10	0.36	101.67	681.49	2.73	12.64	0.00	12.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.99

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 3 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
25	UPR RCH	1.19000	27.10	0.36	101.67	681.49	2.73	12.64	0.00	12.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.99
29	WSTLD	-0.30000	27.07	0.36	105.28	688.86	2.80	12.38	0.00	12.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79
38	WSTLD	0.60000	26.50	0.41	154.00	788.00	1.69	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88

********** 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
25	17.00	16.90	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
26	16.90	16.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
27	16.80	16.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
28	16.70	16.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
29	16.60	16.50	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
30	16.50	16.40	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
31	16.40	16.30	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
32	16.30	16.20	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
33	16.20	16.10	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
34	16.10	16.00	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
35	16.00	15.90	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
36	15.90	15.80	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
37	15.80	15.70	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
38	15.70	15.60	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
39	15.60	15.50	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
40	15.50	15.40	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
41	15.40	15.30	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
42	15.30	15.20	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012

43	15.20	15.10	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012						
TOT						2.47			231260.36	183540.00											
AVG					0.00892		1.26	96.60			121.72										
CUM						6.45															

********** 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
25	16.900	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.47	5.47	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
26	16.800	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.47	5.47	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
27	16.700	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.47	5.47	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
28	16.600	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.47	5.47	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
29	16.500	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
30	16.400	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
31	16.300	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
32	16.200	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
33	16.100	7.94	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
34	16.000	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.46	5.46	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
35	15.900	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.45	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
36	15.800	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.45	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
37	15.700	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.45	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
38	15.600	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.45	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
39	15.500	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.45	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
40	15.400	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.44	5.44	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
41	15.300	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.44	5.44	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
42	15.200	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.44	5.44	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
43	15.100	7.95	1.37	0.08	0.00	0.00	0.00	0.00	0.00	5.44	5.44	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
AVG	20 DEG C RATE		1.20	0.06	0.00	0.00	0.00	0.00	0.00	3.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.13

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
25	16.900	27.09	0.36	102.23	682.65	2.74	12.59	0.00	12.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.76
26	16.800	27.09	0.36	102.87	683.94	2.75	12.54	0.00	12.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.52
27	16.700	27.08	0.36	103.58	685.40	2.76	12.49	0.00	12.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.28
28	16.600	27.08	0.36	104.38	687.03	2.78	12.44	0.00	12.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.04
29	16.500	27.07	0.36	105.28	688.86	2.80	12.38	0.00	12.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.79
30	16.400	27.07	0.36	106.29	690.92	2.82	12.33	0.00	12.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.53
31	16.300	27.06	0.36	107.39	693.16	2.84	12.28	0.00	12.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.28
32	16.200	27.06	0.36	108.59	695.61	2.86	12.22	0.00	12.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.02
33	16.100	27.05	0.36	109.91	698.28	2.88	12.17	0.00	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.76
34	16.000	27.05	0.37	111.34	701.20	2.90	12.12	0.00	12.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.50
35	15.900	27.04	0.37	112.90	704.38	2.92	12.06	0.00	12.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.23
36	15.800	27.04	0.37	114.60	707.85	2.94	12.01	0.00	12.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.96
37	15.700	27.03	0.37	116.47	711.64	2.95	11.96	0.00	11.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.68

38	15.600	27.03	0.37	118.50	715.78	2.96	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.39
39	15.500	27.02	0.37	118.52	715.85	3.05	11.90	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.31
40	15.400	27.02	0.37	118.56	715.92	3.14	11.89	0.00	11.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.23
41	15.300	27.01	0.37	118.60	716.01	3.25	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.15
42	15.200	27.01	0.37	118.64	716.11	3.37	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.08
43	15.100	27.00	0.37	118.69	716.22	3.51	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.01

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 4 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
44	UPR RCH	1.49000	27.00	0.37	118.69	716.22	3.51	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.01

********** 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
44	15.10	15.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
45	15.00	14.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
46	14.90	14.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
47	14.80	14.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
48	14.70	14.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
49	14.60	14.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
50	14.50	14.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
51	14.40	14.30	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
52	14.30	14.20	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
53	14.20	14.10	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
54	14.10	14.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
55	14.00	13.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
56	13.90	13.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
57	13.80	13.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
58	13.70	13.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
59	13.60	13.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
60	13.50	13.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
TOT						1.42			183110.42	190740.00					
AVG					0.01383		0.96	112.20			107.71				
CUM						7.87									

********** 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																						
44	15.000	7.95	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00																						

45	14.900	7.95	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
46	14.800	7.95	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
47	14.700	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
48	14.600	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
49	14.500	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
50	14.400	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
51	14.300	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
52	14.200	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
53	14.100	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
54	14.000	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
55	13.900	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
56	13.800	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
57	13.700	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
58	13.600	7.96	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
59	13.500	7.97	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
60	13.400	7.97	1.79	0.08	0.00	0.00	0.00	0.00	0.00	2.32	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
AVG 20 DEG C RATE			1.57	0.06	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
44	15.000	26.99	0.37	118.75	716.36	3.69	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.95
45	14.900	26.99	0.37	118.83	716.54	3.86	11.89	0.00	11.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.88
46	14.800	26.98	0.37	118.92	716.74	4.02	11.90	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.81
47	14.700	26.98	0.37	119.02	716.98	4.16	11.90	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.75
48	14.600	26.97	0.37	119.15	717.26	4.29	11.90	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.68
49	14.500	26.96	0.37	119.29	717.59	4.41	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.61
50	14.400	26.96	0.37	119.46	717.98	4.52	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.55
51	14.300	26.95	0.37	119.66	718.43	4.61	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.48
52	14.200	26.95	0.37	119.90	718.96	4.70	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.42
53	14.100	26.94	0.37	120.17	719.59	4.78	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.35
54	14.000	26.94	0.37	120.49	720.32	4.86	11.91	0.00	11.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.29
55	13.900	26.93	0.37	120.87	721.18	4.92	11.90	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.22
56	13.800	26.92	0.37	121.31	722.19	4.98	11.89	0.00	11.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.16
57	13.700	26.92	0.37	121.83	723.37	5.03	11.88	0.00	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.09
58	13.600	26.91	0.37	122.44	724.75	5.07	11.86	0.00	11.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.02
59	13.500	26.91	0.37	123.16	726.38	5.10	11.85	0.00	11.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.95
60	13.400	26.90	0.37	124.00	728.29	5.13	11.82	0.00	11.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.88

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 5 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
61	UPR RCH	1.49000	26.90	0.37	124.00	728.29	5.13	11.82	0.00	11.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.88

69	WSTLD	0.28000	26.90	0.37	151.00	710.80	4.80	11.80	0.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25

********** 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
61	13.40	13.30	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
62	13.30	13.20	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
63	13.20	13.10	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
64	13.10	13.00	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
65	13.00	12.90	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
66	12.90	12.80	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
67	12.80	12.70	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
68	12.70	12.60	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
69	12.60	12.50	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
70	12.50	12.40	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
71	12.40	12.30	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
72	12.30	12.20	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
73	12.20	12.10	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
74	12.10	12.00	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
75	12.00	11.90	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
76	11.90	11.80	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
77	11.80	11.70	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
78	11.70	11.60	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
TOT						1.58			223488.00	230400.00					
AVG					0.01316		0.97	128.00			124.16				
CUM						9.46									

********** 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
NSM SETT 1/da																						
61	13.300	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 62	13.200	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 63	13.100	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 64	13.000	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 65	12.900	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 66	12.800	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.09	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 67	12.700	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 68	12.600	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 69	12.500	7.96	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 70	12.400	7.95	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 71	12.300	7.95	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 72	12.200	7.95	1.77	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 73	12.100	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 74	12.000	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 75	11.900	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 76	11.800	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.11	3.11	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 77	11.700	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.11	3.11	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.60 78	11.600	7.95	1.78	0.08	0.00	0.00	0.00	0.00	0.00	3.11	3.11	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00																						
AVG 20 DEG C RATE			1.56	0.06	0.00	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11
0.00																						

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
61	13.300	26.91	0.38	124.91	730.36	5.14	11.79	0.00	11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.81
62	13.200	26.91	0.39	125.90	732.61	5.15	11.77	0.00	11.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.75
63	13.100	26.92	0.39	127.04	735.20	5.16	11.74	0.00	11.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.68
64	13.000	26.92	0.40	128.35	738.18	5.16	11.72	0.00	11.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.62
65	12.900	26.93	0.41	129.85	741.60	5.17	11.69	0.00	11.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.55
66	12.800	26.93	0.42	131.59	745.54	5.18	11.67	0.00	11.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.48
67	12.700	26.94	0.42	133.58	750.07	5.18	11.64	0.00	11.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.41
68	12.600	26.94	0.43	135.87	755.27	5.18	11.62	0.00	11.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.34
69	12.500	26.95	0.44	138.50	761.26	5.18	11.60	0.00	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.27
70	12.400	26.96	0.45	141.18	769.57	5.18	11.57	0.00	11.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.23
71	12.300	26.96	0.46	144.33	779.36	5.19	11.54	0.00	11.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.18
72	12.200	26.97	0.46	148.05	790.90	5.19	11.51	0.00	11.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.13
73	12.100	26.97	0.47	152.43	804.49	5.19	11.48	0.00	11.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.09
74	12.000	26.98	0.48	157.59	820.50	5.18	11.45	0.00	11.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.04
75	11.900	26.98	0.49	163.66	839.36	5.18	11.41	0.00	11.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.99
76	11.800	26.99	0.49	170.82	861.59	5.16	11.38	0.00	11.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.95
77	11.700	26.99	0.50	179.26	887.77	5.14	11.34	0.00	11.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.90
78	11.600	27.00	0.51	189.20	918.63	5.12	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.85

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
79	UPR RCH	1.77000	27.00	0.51	189.20	918.63	5.12	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.85
79	WSTLD	0.35000	26.80	0.78	363.00	1475.00	2.80	12.30	0.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16
84	WSTLD	0.70000	26.80	0.78	363.00	1475.00	2.80	12.30	0.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16
88	WSTLD	0.40000	27.00	0.49	234.00	931.00	2.59	10.90	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78
90	WSTLD	-8.65000	27.20	0.64	274.77	1171.27	5.37	10.78	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16

********** 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
79	11.60	11.50	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
80	11.50	11.40	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
81	11.40	11.30	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
82	11.30	11.20	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
83	11.20	11.10	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
84	11.10	11.00	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
85	11.00	10.90	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
86	10.90	10.80	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
87	10.80	10.70	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
88	10.70	10.60	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
89	10.60	10.50	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
90	10.50	10.40	-5.43000	100.0	-0.02991	-0.04	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.030
TOT						0.89			217862.42	194520.02					
AVG					0.01569		1.12	162.10			181.55				
CUM						10.34									

********** 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
79	11.500	7.94	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.33	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
80	11.400	7.94	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
81	11.300	7.94	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
82	11.200	7.93	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
83	11.100	7.93	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
84	11.000	7.93	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
85	10.900	7.93	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
86	10.800	7.92	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
87	10.700	7.92	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.35	2.35	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
88	10.600	7.92	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
89	10.500	7.91	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
90																						

90	10.400	7.91	1.54	0.08	0.00	0.00	0.00	0.00	0.00	2.36	2.36	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
AVG 20 DEG C RATE			1.35	0.06	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00	

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
79	11.500	27.02	0.52	198.71	948.15	5.09	11.26	0.00	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.81
80	11.400	27.03	0.53	203.92	963.91	5.10	11.22	0.00	11.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.77
81	11.300	27.05	0.54	209.89	981.98	5.10	11.18	0.00	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.73
82	11.200	27.07	0.55	216.73	1002.68	5.09	11.14	0.00	11.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.69
83	11.100	27.08	0.56	224.57	1026.40	5.06	11.12	0.00	11.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.65
84	11.000	27.10	0.57	233.56	1053.58	5.02	11.11	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.61
85	10.900	27.12	0.59	237.61	1064.42	5.07	11.05	0.00	11.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.55
86	10.800	27.13	0.60	242.46	1077.36	5.11	10.99	0.00	10.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.48
87	10.700	27.15	0.61	248.24	1092.82	5.14	10.93	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.41
88	10.600	27.17	0.62	255.15	1111.27	5.17	10.88	0.00	10.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.32
89	10.500	27.18	0.63	263.98	1138.28	5.26	10.83	0.00	10.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.25
90	10.400	27.20	0.64	274.77	1171.27	5.37	10.78	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.16

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 7 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
91	UPR RCH	-5.43000	27.20	0.64	274.77	1171.27	5.37	10.78	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16
108	WSTLD	6.54000	27.40	0.53	310.00	1279.00	6.58	10.90	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98

********** 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
91	10.40	10.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
92	10.30	10.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
93	10.20	10.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
94	10.10	10.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
95	10.00	9.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
96	9.90	9.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
97	9.80	9.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
98	9.70	9.60	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
99	9.60	9.50	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
100	9.50	9.40	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
101	9.40	9.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096

102	9.30	9.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
103	9.20	9.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
104	9.10	9.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
105	9.00	8.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
106	8.90	8.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
107	8.80	8.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
108	8.70	8.60	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
109	8.60	8.50	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
110	8.50	8.40	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
111	8.40	8.30	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
112	8.30	8.20	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
113	8.20	8.10	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
114	8.10	8.00	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
115	8.00	7.90	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
116	7.90	7.80	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
117	7.80	7.70	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
TOT						0.39			153060.30	184410.02					
AVG					0.08102		0.83	68.30			56.69				
CUM						10.73									

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

ELEM NUM.	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
NSM SETT 1/da																						
91	10.300	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	10.200	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	10.100	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	10.000	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	9.900	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	9.800	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	9.700	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	9.600	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00	9.500	7.91	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	9.400	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	9.300	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	9.200	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	9.100	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	9.000	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.900	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.800	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.700	7.90	2.80	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.600	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.500	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.400	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.300	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.200	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.100	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	8.000	7.90	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	7.900	7.89	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	7.800	7.89	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0100	7.700	7.89	2.08	0.08	0.00	0.00	0.00	0.00	0.00	6.29	6.29	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
0.00																						

AVG 20 DEG C RATE 2.22 0.06 0.00 0.00 0.00 0.00 0.00 4.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.11
0.00
* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
91	10.300	27.20	0.65	286.88	1208.30	5.48	10.73	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.06
92	10.200	27.20	0.67	297.65	1241.25	5.59	10.70	0.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.98
93	10.100	27.20	0.68	303.41	1258.86	5.66	10.69	0.00	10.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.94
94	10.000	27.20	0.70	306.49	1268.28	5.71	10.69	0.00	10.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.92
95	9.900	27.20	0.71	308.14	1273.31	5.76	10.69	0.00	10.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
96	9.800	27.20	0.73	309.02	1276.00	5.79	10.70	0.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
97	9.700	27.20	0.74	309.49	1277.44	5.83	10.71	0.00	10.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
98	9.600	27.20	0.76	309.74	1278.21	5.87	10.71	0.00	10.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
99	9.500	27.20	0.77	309.87	1278.62	5.91	10.73	0.00	10.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
100	9.400	27.20	0.79	309.95	1278.84	5.94	10.74	0.00	10.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.92
101	9.300	27.20	0.80	309.98	1278.96	5.98	10.75	0.00	10.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.92
102	9.200	27.20	0.82	310.01	1279.02	6.02	10.76	0.00	10.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.93
103	9.100	27.20	0.83	310.02	1279.05	6.06	10.77	0.00	10.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.93
104	9.000	27.20	0.85	310.02	1279.07	6.11	10.78	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.93
105	8.900	27.20	0.86	310.03	1279.08	6.15	10.79	0.00	10.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.94
106	8.800	27.20	0.88	310.03	1279.09	6.20	10.80	0.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.94
107	8.700	27.20	0.89	310.03	1279.09	6.24	10.81	0.00	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.95
108	8.600	27.20	0.91	310.03	1279.09	6.29	10.82	0.00	10.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.95
109	8.500	27.20	0.92	310.06	1279.19	6.10	10.76	0.00	10.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.93
110	8.400	27.20	0.94	310.10	1279.30	5.92	10.70	0.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.90
111	8.300	27.20	0.95	310.14	1279.44	5.76	10.63	0.00	10.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.88
112	8.200	27.20	0.97	310.19	1279.60	5.62	10.57	0.00	10.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.85
113	8.100	27.20	0.98	310.25	1279.78	5.50	10.50	0.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.82
114	8.000	27.20	1.00	310.32	1280.01	5.39	10.43	0.00	10.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.80
115	7.900	27.20	1.01	310.40	1280.27	5.31	10.35	0.00	10.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.76
116	7.800	27.20	1.03	310.49	1280.57	5.24	10.27	0.00	10.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.73
117	7.700	27.20	1.04	310.61	1280.93	5.19	10.19	0.00	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.70

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
118	UPR RCH	1.11000	27.20	1.04	310.61	1280.93	5.19	10.19	0.00	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70
124	WSTLD	0.01000	27.40	0.53	310.00	1279.00	6.58	10.90	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98

********** 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
118	7.70	7.60	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
119	7.60	7.50	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
120	7.50	7.40	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
121	7.40	7.30	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
122	7.30	7.20	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
123	7.20	7.10	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
124	7.10	7.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
125	7.00	6.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
126	6.90	6.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
127	6.80	6.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
128	6.70	6.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
129	6.60	6.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
130	6.50	6.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
131	6.40	6.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
132	6.30	6.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
133	6.20	6.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
134	6.10	6.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
135	6.00	5.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
136	5.90	5.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
137	5.80	5.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
138	5.70	5.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
139	5.60	5.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
140	5.50	5.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
141	5.40	5.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
142	5.30	5.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
143	5.20	5.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
TOT						2.13			205919.98	228800.00					
AVG					0.01411		0.90	88.00			79.20				
CUM						12.86									

********** 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
118	7.600	7.90	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.93	3.93	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
119	7.500	7.90	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.93	3.93	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
120	7.400	7.90	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.92	3.92	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
121	7.300	7.90	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.92	3.92	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
122	7.200	7.91	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.92	3.92	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
123	7.100	7.91	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.91	3.91	3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
124	7.000	7.91	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.91	3.91	3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
125	6.900	7.91	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.90	3.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
126	6.800	7.92	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.90	3.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
127	6.700	7.92	1.92	0.08	0.00	0.00	0.00	0.00	0.00	3.90	3.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
128	6.600	7.92	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.89	3.89	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
129	6.500	7.92	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.89	3.89	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
130	6.400	7.93	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.88	3.88	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
131	6.300	7.93	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.88	3.88	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
132	6.200	7.93	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.88	3.88	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
133	6.100	7.93	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.87	3.87	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
134	6.000	7.94	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.87	3.87	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
135	5.900	7.94	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.87	3.87	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
136	5.800	7.94	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.86	3.86	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
137	5.700	7.94	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.86	3.86	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
138	5.600	7.95	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
139	5.500	7.95	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
140	5.400	7.95	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
141	5.300	7.95	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.84	3.84	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
142	5.200	7.96	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.84	3.84	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
143	5.100	7.96	1.91	0.08	0.00	0.00	0.00	0.00	0.00	3.84	3.84	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
AVG 20 DEG C RATE			1.68	0.06	0.00	0.00	0.00	0.00	0.00	2.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
118	7.600	27.18	1.03	310.70	1281.24	5.18	10.12	0.00	10.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.67
119	7.500	27.17	1.02	310.79	1281.51	5.17	10.07	0.00	10.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.65
120	7.400	27.15	1.02	310.88	1281.80	5.16	10.02	0.00	10.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.63
121	7.300	27.14	1.01	310.98	1282.13	5.15	9.97	0.00	9.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.61
122	7.200	27.12	1.00	311.10	1282.49	5.15	9.93	0.00	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.59
123	7.100	27.11	0.99	311.22	1282.89	5.14	9.89	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
124	7.000	27.09	0.98	311.36	1283.32	5.13	9.85	0.00	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.55
125	6.900	27.08	0.98	311.51	1283.80	5.13	9.81	0.00	9.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.53
126	6.800	27.06	0.97	311.68	1284.33	5.12	9.77	0.00	9.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.51
127	6.700	27.05	0.96	311.86	1284.92	5.11	9.74	0.00	9.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.49
128	6.600	27.03	0.95	312.06	1285.56	5.11	9.71	0.00	9.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.47
129	6.500	27.02	0.94	312.28	1286.27	5.10	9.68	0.00	9.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.45
130	6.400	27.00	0.94	312.53	1287.05	5.09	9.66	0.00	9.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.43

131	6.300	26.98	0.93	312.80	1287.91	5.08	9.65	0.00	9.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.41
132	6.200	26.97	0.92	313.10	1288.85	5.06	9.63	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.39
133	6.100	26.95	0.91	313.42	1289.90	5.05	9.63	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.37
134	6.000	26.94	0.90	313.78	1291.04	5.03	9.63	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
135	5.900	26.92	0.89	314.18	1292.30	5.01	9.63	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
136	5.800	26.91	0.89	314.62	1293.69	4.98	9.65	0.00	9.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
137	5.700	26.89	0.88	315.10	1295.22	4.95	9.67	0.00	9.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.30
138	5.600	26.88	0.87	315.63	1296.91	4.91	9.70	0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.28
139	5.500	26.86	0.86	316.21	1298.76	4.86	9.74	0.00	9.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
140	5.400	26.85	0.85	316.85	1300.80	4.80	9.79	0.00	9.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.24
141	5.300	26.83	0.85	317.56	1303.05	4.74	9.85	0.00	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22
142	5.200	26.82	0.84	318.34	1305.53	4.65	9.92	0.00	9.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
143	5.100	26.80	0.83	319.19	1308.25	4.55	10.01	0.00	10.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.18

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 9 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
144	UPR RCH	1.12000	26.80	0.83	319.19	1308.25	4.55	10.01	0.00	10.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18
172	WSTLD	0.36000	25.90	0.64	304.00	1210.00	1.27	11.50	0.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22

********** 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
144	5.10	5.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
145	5.00	4.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
146	4.90	4.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
147	4.80	4.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
148	4.70	4.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
149	4.60	4.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
150	4.50	4.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
151	4.40	4.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
152	4.30	4.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
153	4.20	4.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
154	4.10	4.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
155	4.00	3.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
156	3.90	3.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
157	3.80	3.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
158	3.70	3.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
159	3.60	3.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
160	3.50	3.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
161	3.40	3.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
162	3.30	3.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
163	3.20	3.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
164	3.10	3.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
165	3.00	2.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013

166	2.90	2.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
167	2.80	2.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
168	2.70	2.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
169	2.60	2.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
170	2.50	2.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
171	2.40	2.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
172	2.30	2.20	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
173	2.20	2.10	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
174	2.10	2.00	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
175	2.00	1.90	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
176	1.90	1.80	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
177	1.80	1.70	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
178	1.70	1.60	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
179	1.60	1.50	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
TOT						3.14			320932.81	281519.97					
AVG					0.01328		1.14	78.20			89.15				
CUM						16.00									

********** 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
NO. SETT 1/da																						
144	5.000	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
145	4.900	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
146	4.800	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
147	4.700	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
148	4.600	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
149	4.500	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
150	4.400	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
151	4.300	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
152	4.200	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
153	4.100	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
154	4.000	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
155	3.900	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
156	3.800	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
157	3.700	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
158	3.600	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
159	3.500	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
160	3.400	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
161	3.300	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
162	3.200	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
163	3.100	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
164	3.000	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
165	2.900	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
166	2.800	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
167	2.700	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
168	2.600	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
169	2.500	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
170	2.400	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
171	2.300	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
172	2.200	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
173	2.100	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
0.00																						

174	2.000	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
175	1.900	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
176	1.800	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
177	1.700	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
178	1.600	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
179	1.500	7.96	1.51	0.08	0.00	0.00	0.00	0.00	0.00	6.91	6.91	6.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
AVG 20 DEG C RATE			1.32	0.06	0.00	0.00	0.00	0.00	0.00	4.50			0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.11

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
144	5.000	26.80	0.83	319.99	1310.79	4.45	10.10	0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
145	4.900	26.80	0.83	320.74	1313.17	4.37	10.18	0.00	10.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.15
146	4.800	26.80	0.83	321.54	1315.73	4.29	10.25	0.00	10.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.14
147	4.700	26.80	0.83	322.41	1318.48	4.22	10.32	0.00	10.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.12
148	4.600	26.80	0.83	323.34	1321.43	4.16	10.39	0.00	10.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.11
149	4.500	26.80	0.83	324.33	1324.60	4.09	10.46	0.00	10.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
150	4.400	26.80	0.83	325.40	1328.00	4.03	10.53	0.00	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
151	4.300	26.80	0.83	326.55	1331.66	3.98	10.60	0.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
152	4.200	26.80	0.83	327.78	1335.58	3.93	10.66	0.00	10.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
153	4.100	26.80	0.83	329.11	1339.80	3.88	10.72	0.00	10.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
154	4.000	26.80	0.83	330.53	1344.33	3.84	10.78	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
155	3.900	26.80	0.83	332.06	1349.19	3.79	10.84	0.00	10.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
156	3.800	26.80	0.83	333.70	1354.41	3.76	10.90	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
157	3.700	26.80	0.83	335.46	1360.02	3.72	10.95	0.00	10.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
158	3.600	26.80	0.83	337.35	1366.04	3.69	11.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
159	3.500	26.80	0.83	339.39	1372.50	3.65	11.05	0.00	11.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
160	3.400	26.80	0.83	341.57	1379.45	3.62	11.09	0.00	11.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
161	3.300	26.80	0.83	343.91	1386.90	3.60	11.13	0.00	11.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.97
162	3.200	26.80	0.83	346.43	1394.91	3.57	11.17	0.00	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
163	3.100	26.80	0.83	349.13	1403.51	3.55	11.20	0.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
164	3.000	26.80	0.83	352.03	1412.74	3.52	11.23	0.00	11.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
165	2.900	26.80	0.83	355.15	1422.66	3.50	11.26	0.00	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
166	2.800	26.80	0.83	358.50	1433.31	3.48	11.28	0.00	11.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
167	2.700	26.80	0.83	362.09	1444.75	3.47	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
168	2.600	26.80	0.83	365.95	1457.03	3.45	11.31	0.00	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
169	2.500	26.80	0.83	370.10	1470.22	3.43	11.31	0.00	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
170	2.400	26.80	0.83	374.55	1484.39	3.42	11.31	0.00	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
171	2.300	26.80	0.83	379.33	1499.60	3.40	11.30	0.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
172	2.200	26.80	0.83	384.46	1515.94	3.39	11.29	0.00	11.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
173	2.100	26.80	0.83	391.89	1540.75	3.43	11.26	0.00	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
174	2.000	26.80	0.83	400.04	1567.99	3.48	11.23	0.00	11.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
175	1.900	26.80	0.83	408.98	1597.88	3.53	11.18	0.00	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
176	1.800	26.80	0.83	418.80	1630.69	3.59	11.12	0.00	11.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
177	1.700	26.80	0.83	429.58	1666.71	3.66	11.06	0.00	11.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
178	1.600	26.80	0.83	441.41	1706.25	3.74	10.97	0.00	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
179	1.500	26.80	0.83	454.40	1749.64	3.83	10.88	0.00	10.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91

REACH NO. 10 Bayou Segnette WQ Calibration, NO point sources

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
180	UPR RCH	1.48000	26.80	0.83	454.40	1749.64	3.83	10.88	0.00	10.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91

********** 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
180	1.50	1.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
181	1.40	1.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
182	1.30	1.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
183	1.20	1.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
184	1.10	1.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
185	1.00	0.90	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
186	0.90	0.80	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
187	0.80	0.70	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
188	0.70	0.60	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
189	0.60	0.50	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
190	0.50	0.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
191	0.40	0.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
192	0.30	0.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
193	0.20	0.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
194	0.10	0.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
TOT						0.88			112160.98	102900.00					
AVG					0.01979		1.09	68.60			74.77				
CUM						16.87									

********** 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
180	1.400	7.96	1.57	0.08	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
181	1.300	7.95	1.57	0.08	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
182	1.200	7.95	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
183	1.100	7.94	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
184	1.000	7.94	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.61	4.61	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
185	0.900	7.94	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
186	0.800	7.93	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
187	0.700	7.93	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
188	0.600	7.92	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
189	0.500	7.92	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
190	0.400	7.92	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.62	4.62	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
191	0.300	7.91	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
192	0.200	7.91	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
193	0.100	7.90	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
194	0.000	7.90	1.58	0.08	0.00	0.00	0.00	0.00	0.00	4.63	4.63	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
AVG 20 DEG C RATE			1.39	0.06	0.00	0.00	0.00	0.00	0.00	3.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
180	1.400	26.81	0.90	468.75	1797.59	3.94	10.76	0.00	10.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
181	1.300	26.81	0.96	484.62	1850.61	4.05	10.63	0.00	10.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
182	1.200	26.82	1.03	502.05	1908.88	4.17	10.48	0.00	10.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
183	1.100	26.83	1.10	521.21	1972.91	4.30	10.31	0.00	10.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
184	1.000	26.83	1.16	542.27	2043.28	4.44	10.12	0.00	10.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
185	0.900	26.84	1.23	565.41	2120.61	4.59	9.91	0.00	9.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
186	0.800	26.85	1.30	590.85	2205.59	4.76	9.66	0.00	9.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
187	0.700	26.85	1.36	618.79	2298.99	4.94	9.39	0.00	9.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
188	0.600	26.86	1.43	649.51	2401.63	5.14	9.09	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
189	0.500	26.87	1.50	683.26	2514.42	5.37	8.74	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.97
190	0.400	26.87	1.56	720.36	2638.38	5.63	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
191	0.300	26.88	1.63	761.13	2774.61	5.92	7.94	0.00	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
192	0.200	26.89	1.70	805.93	2924.32	6.25	7.46	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
193	0.100	26.89	1.76	855.16	3088.84	6.63	6.93	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
194	0.000	26.90	1.83	909.27	3269.65	7.06	6.35	0.00	6.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08

STREAM SUMMARY
Bayou Segnette

LA-QUAL simulation of Bayou Segnette (020701)
WQ Calibration, NO point sources

TRAVEL TIME	=	16.87 DAYS			
MAXIMUM EFFLUENT	=	100.00 PERCENT			
FLOW	=	-5.43000	TO	3.22000	m^3/s
DISPERSION	=	8.0000	TO	20.0000	m^2/s
VELOCITY	=	-0.09579	TO	0.01979	m/s
DEPTH	=	0.83	TO	1.26	m
WIDTH	=	68.30	TO	162.10	m
BOD DECAY	=	0.06	TO	0.10	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.20	TO	6.91	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	1.37	TO	2.80	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	26.80	TO	27.20	deg C
DISSOLVED OXYGEN	=	1.27	TO	7.06	mg/L

LA-QUAL simulation of Bayou Segnette (020701)
WQ Calibration, NO point sources

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 INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	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	10.690	4573.0	10951.1	0.0	0.0	0.0	0.0	0.0	0.0	4868.6
WITHDRAWLS	-9.210	-4122.8	-8725.7	0.0	0.0	0.0	0.0	0.0	0.0	-2266.1
OUTFLOW THRU LOWER BNDRY	-1.480	-903.0	-811.5	0.0	0.0	0.0	0.0	0.0	0.0	-138.6
DISPERSION THRU LOWER BNDRY		641.7	-843.4	0.0	0.0	0.0	0.0	0.0	0.0	42.0
NON-POINT INPUT		0.0	1300.0	0.0	0.0					0.0
NATURAL REAERATION		11533.8								
DAM REAERATION		0.0								
BACKGROUND SOD		-7346.4								
BOD#1 DECAY		-1870.6	-1870.6							
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			0.0	0.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		0.0				0.0	0.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		0.0				0.0	0.0	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		-2506.2								-2506.2
NCM SETTLING		0.0								0.0
TOTAL INPUTS	10.690	16748.5	12251.1	0.0	0.0	0.0	0.0	0.0	0.0	4910.6
TOTAL OUTPUTS	-10.690	-16748.9	-12251.2	0.0	0.0	0.0	0.0	0.0	0.0	-4911.0
NET CONVERGENCE ERROR	0.000	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3

.....EXECUTION COMPLETED

APPENDIX L

Analyses for Critical Conditions

90TH PERCENTILE TEMPERATURES

Bayou Segnette near Westwego, Louisiana (020701 station 0296)
Data retreived from LDEQ website (http://www.deq.state.la.us/surveillance/wqdata/wqnsites.stm)

summer 90th percentile	30.89	interpolated
winter 90th percentile	22.74	interpolated

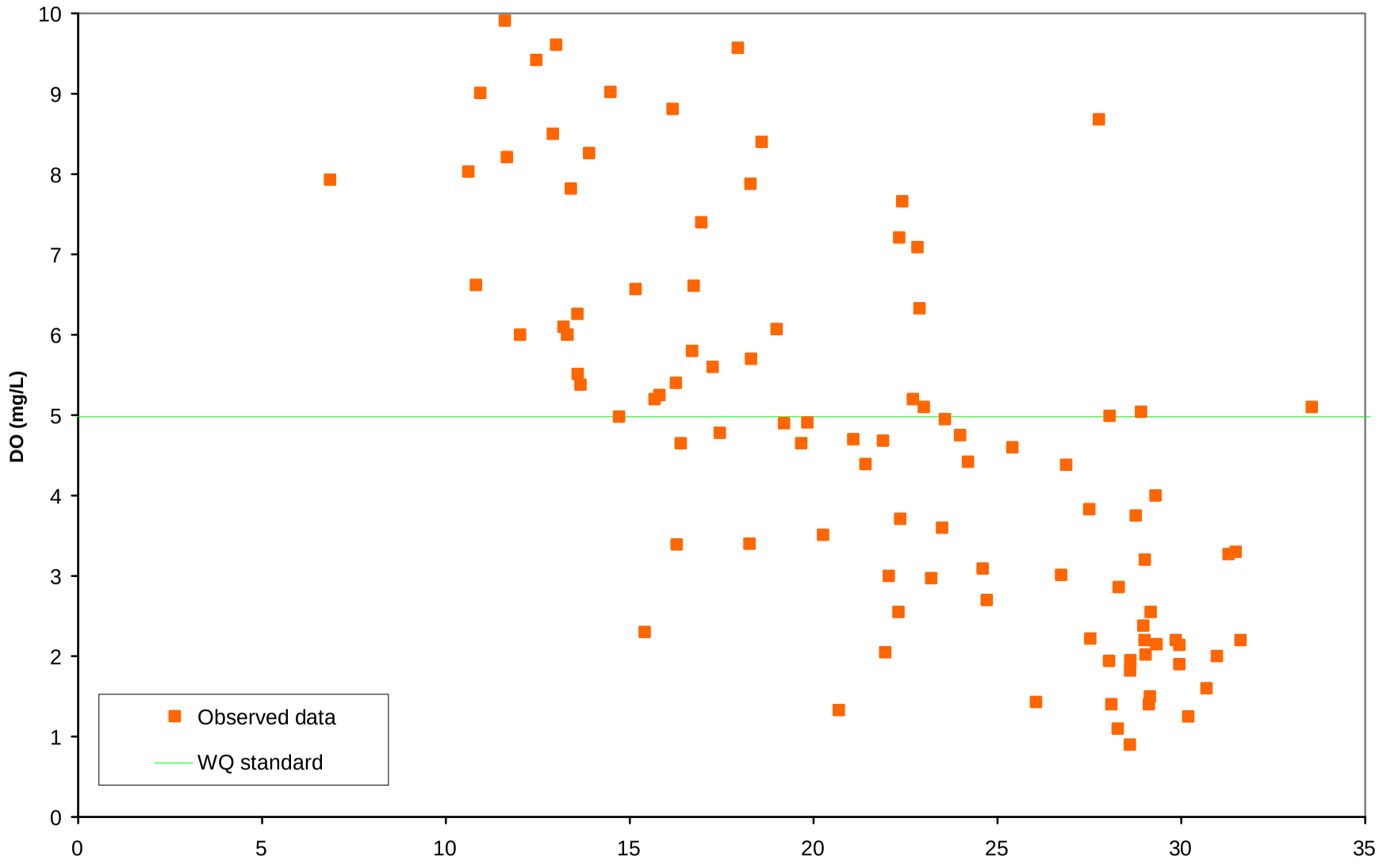
DATE	WATER TEMP (C)	Season	Percentile	DATE	WATER TEMP (C)	Season	Percentile
8/12/97	20.69	summer	1.04	1/9/96	6.85	winter	0.96
10/15/96	21.89	summer	3.13	1/11/94	10.61	winter	2.88
10/11/94	21.95	summer	5.21	12/12/95	10.82	winter	4.81
10/13/92	22.05	summer	7.29	2/14/95	10.94	winter	6.73
5/10/94	22.31	summer	9.38	3/12/96	11.61	winter	8.65
10/17/00	22.33	summer	11.46	12/19/00	11.66	winter	10.58
10/10/95	22.36	summer	13.54	2/9/93	12.02	winter	12.50
6/11/91	23.00	summer	15.63	1/25/00	12.46	winter	14.42
10/12/93	23.20	summer	17.71	2/10/98	12.91	winter	16.35
5/13/97	23.99	summer	19.79	11/18/97	13.00	winter	18.27
10/14/97	24.60	summer	21.88	2/11/92	13.20	winter	20.19
5/11/93	24.71	summer	23.96	1/15/91	13.30	winter	22.12
5/12/92	25.41	summer	26.04	1/7/92	13.31	winter	24.04
7/12/94	26.05	summer	28.13	2/18/97	13.40	winter	25.96
9/19/00	26.73	summer	30.21	1/10/95	13.58	winter	27.88
5/14/96	26.87	summer	32.29	12/13/94	13.59	winter	29.81
6/10/97	27.50	summer	34.38	12/14/93	13.66	winter	31.73
6/13/95	27.53	summer	36.46	2/13/96	13.90	winter	33.65
5/12/98	27.76	summer	38.54	3/10/98	14.48	winter	35.58
8/13/96	28.04	summer	40.63	12/9/97	14.71	winter	37.50
9/12/95	28.05	summer	42.71	12/10/96	15.16	winter	39.42
9/10/91	28.10	summer	44.79	11/17/92	15.41	winter	41.35
9/14/92	28.27	summer	46.88	1/7/97	15.68	winter	43.27
7/9/96	28.30	summer	48.96	11/14/95	15.81	winter	45.19
8/13/91	28.60	summer	51.04	11/14/00	16.17	winter	47.12
6/27/00	28.61	summer	53.13	12/15/92	16.26	winter	49.04
9/13/94	28.62	summer	55.21	4/15/97	16.28	winter	50.96
9/9/97	28.76	summer	57.29	1/13/98	16.39	winter	52.88
5/23/00	28.91	summer	59.38	2/4/91	16.70	winter	54.81
6/11/96	28.97	summer	61.46	3/14/95	16.74	winter	56.73
5/14/91	29.00	summer	63.54	12/10/91	16.95	winter	58.65
9/10/96	29.01	summer	65.63	3/9/93	17.26	winter	60.58
6/14/94	29.03	summer	67.71	3/15/94	17.45	winter	62.50
8/11/92	29.12	summer	69.79	2/8/94	17.94	winter	64.42
7/13/93	29.15	summer	71.88	1/12/93	18.26	winter	66.35
9/14/93	29.17	summer	73.96	2/22/00	18.29	winter	68.27
7/16/91	29.30	summer	76.04	3/12/91	18.30	winter	70.19
8/9/94	29.33	summer	78.13	11/18/91	18.59	winter	72.12
6/16/92	29.85	summer	80.21	4/9/96	19.00	winter	74.04
7/25/00	29.95	summer	82.29	4/7/92	19.20	winter	75.96

7/15/97	29.95	summer	84.38
8/15/95	30.19	summer	86.46
7/11/95	30.69	summer	88.54
8/10/93	30.97	summer	90.63
8/22/00	31.29	summer	92.71
10/15/91	31.48	summer	94.79
7/14/92	31.61	summer	96.88
6/15/93	33.55	summer	98.96

11/19/96	19.67	winter	77.88
4/4/95	19.83	winter	79.81
11/16/93	20.26	winter	81.73
3/10/92	21.08	winter	83.65
11/15/94	21.41	winter	85.58
3/11/97	22.41	winter	87.50
4/13/93	22.70	winter	89.42
4/14/98	22.83	winter	91.35
3/28/00	22.88	winter	93.27
4/16/91	23.50	winter	95.19
4/25/00	23.57	winter	97.12
4/12/94	24.20	winter	99.04

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\90TH PERCENTILE TEMPS 0910,0292, AND 0296.XLS

Figure L.1. Plot of DO vs. Water Temperature for Station 0296



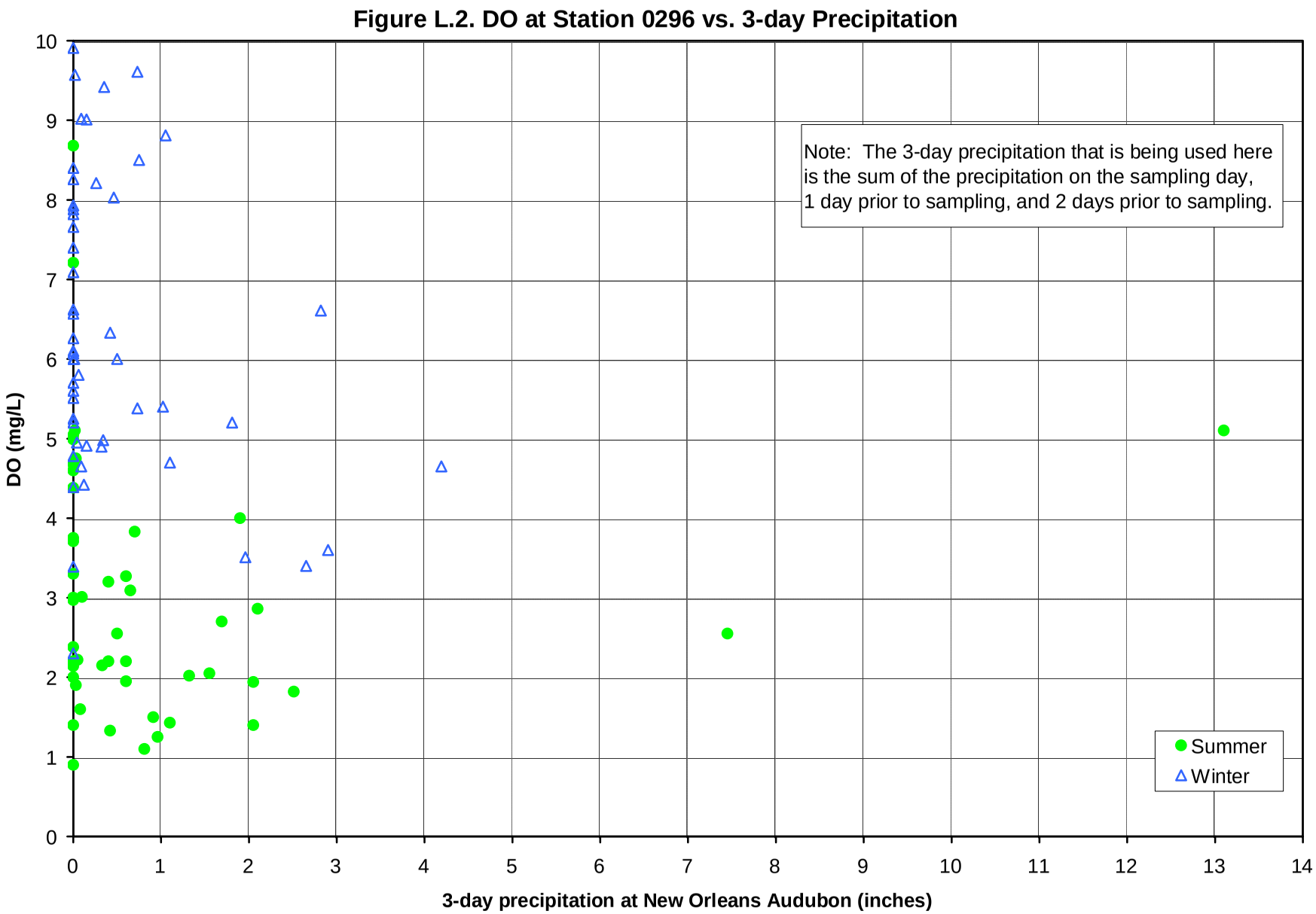


Figure L.2. DO at Station 0296 vs. 3-day Precipitation
DO (mg/L)
3-day precipitation at New Orleans Audubon (inches)
Note: The 3-day precipitation that is being used here is the sum of the precipitation on the sampling day, 1 day prior to sampling, and 2 days prior to sampling.
Summer
Winter
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14

APPENDIX M

Model Inputs for Projections

BAYOU SEGNETTE MODEL INPUTS FOR SUMMER NO LOAD PROJECTION

Table M.1 Summer No Load Inputs for Program Constants and Initial Conditions (Data Types 3 and 11).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
K_L (surface transfer coefficient)	all	0.93 m/day	Calculated based on long term wind speed data from New Orleans International airport for August (see Appendix N)
Temperature (deg C)	all	30.9	90th percentile temperature based on LDEQ station 0296

Table M.2. Summer No Load Inputs for NPS Loads (Data Types 12 and 19).

Reach	SOD ($g/m^2/day$)	CBODu mass load (kg/day)	NBODu mass load (kg/day)	Data Source / Comment
1	0.200	0	0	These values were set equal to the natural (no man made) loads calculated by TMDL spreadsheet.
2	1.500	0	0	
3	1.620	69	0	
4	1.180	157	0	
5	1.510	113	0	
6	1.500	0	0	
7	2.000	0	0	
8	2.000	0	0	
9	1.360	181	0	
10	1.210	81	0	

Table M.3. Summer No Load Inputs for Wasteloads (Data Types 24, 25, and 26).

Wasteload	Parameter name	Value used in model	Data Source / Comment
Westwego 2 Pump Station	Flow rate	0.90 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	3.01 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	5.99 mg/L	
Outer Cataouatche Canal north connection	Flow rate	-0.26 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows.
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Outer Cataouatche Canal south connection	Flow rate	0.55 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	6.84 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	2.16 mg/L	
Unnamed Canal A north connection	Flow rate	-0.31 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Unnamed Canal A south connection	Flow rate	0.60 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.71 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.29 mg/L	
Storage Area	Flow rate	0.03 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.56 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.44 mg/L	
Millaudon Canal north connection	Flow rate	0.38 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.16 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.84 mg/L	
Millaudon Canal south connection	Flow rate	0.68 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.16 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.84 mg/L	

Table M.3. (Continued)

Wasteload	Parameter name	Value used in model	Data Source / Comment
Tarpaper Canal	Flow rate	0.40 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.74 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.26 mg/L	
Bayou Bardeaux north	Flow rate	-8.81 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Bayou Bardeaux south	Flow rate	6.97 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.62 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.38 mg/L	
Drill hole to Lake Salvador	Flow rate	0.01 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.62 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.38 mg/L	
Pipeline Canal	Flow rate	0.36 m^3/sec	Same as calibration
	DO	6.70 mg/L	DO concentration with all man-made loads eliminated
	CBODu	8.14 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	0.86 mg/L	

Table M.4. Summer No Load Inputs for Lower Boundary Conditions (Data Type 27).

Parameter	Value used in model	Data Source / Comment
Temperature	30.9°C	90th percentile temperature based on LDEQ 0296
Salinity	1.83 ppt	Same as calibration
Chloride	939 mg/L	Same as calibration
Conductivity	3369 μmhos	Same as calibration
DO	6.70 mg/L	90% saturation at 90th percentile temperature
CBODu	6.02 mg/L	Same as calibration
Chlorophyll a	0.0 μg/L	Same as calibration
NBODu	1.10 mg/L	Same as calibration

BAYOU SEGNETTE MODEL INPUTS FOR WINTER NO LOAD PROJECTION

Table M.5. Winter No Load Inputs for Program Constants and Initial Conditions (Data Types 3 and 11).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
K_L (surface transfer coefficient)	all	1.17 m/day	Calculated based on long term wind speed data from New Orleans International airport for November (see Appendix N)
Temperature (deg C)	all	22.7	90th percentile temperature based on LDEQ station 0296

Table M.6. Winter No Load Inputs for NPS Loads (Data Types 12 and 19).

Reach	SOD ($g/m^2/day$)	CBODu mass load (kg/day)	NBODu mass load (kg/day)	Data Source / Comment
1	0.200	0	0	These values were set equal to the natural (no man made) loads calculated by TMDL spreadsheet.
2	1.500	0	0	
3	1.620	69	0	
4	1.180	157	0	
5	1.510	113	0	
6	1.500	0	0	
7	2.000	0	0	
8	2.000	0	0	
9	1.360	181	0	
10	1.210	81	0	

Table M.7. Winter No Load Inputs for Wasteloads (Data Types 24, 25, and 26).

Wasteload	Parameter name	Value used in model	Data Source / Comment
Westwego 2 Pump Station	Flow rate	0.90 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	3.01 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	5.99 mg/L	
Outer Cataouatche Canal north connection	Flow rate	-0.26 m^3/sec	same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Outer Cataouatche Canal south connection	Flow rate	0.55 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	6.84 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	2.16 mg/L	
Unnamed Canal A north connection	Flow rate	-0.31 m^3/sec	same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Unnamed Canal A south connection	Flow rate	0.60 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.71 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.29 mg/L	
Storage Area	Flow rate	0.03 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.56 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.44 mg/L	
Millaudon Canal north connection	Flow rate	0.38 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.16 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.84 mg/L	
Millaudon Canal south connection	Flow rate	0.68 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.16 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.84 mg/L	

Table M.7. (Continued)

Wasteload	Parameter name	Value used in model	Data Source / Comment
Tarpaper Canal	Flow rate	0.40 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.74 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.26 mg/L	
Bayou Bardeaux north	Flow rate	-8.81 m^3/sec	same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Bayou Bardeaux south	Flow rate	6.97 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.62 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.38 mg/L	
Drill hole to Lake Salvador	Flow rate	0.01 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	7.62 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	1.38 mg/L	
Pipeline Canal	Flow rate	0.36 m^3/sec	same as calibration
	DO	7.75 mg/L	DO concentration with all man-made loads eliminated
	CBODu	8.14 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated
	NBODu	0.86 mg/L	

Table M.8. Winter No Load Inputs for Lower Boundary Conditions (Data Type 27).

Parameter	Value used in model	Data Source / Comment
Temperature	22.7°C	90th percentile temperature based on LDEQ 0296
Salinity	1.83 ppt	Same as calibration
Chloride	939 mg/L	Same as calibration
Conductivity	3369 μmhos	Same as calibration
DO	7.75 mg/L	90% saturation at 90th percentile temperature
CBODu	6.02 mg/L	Same as calibration
Chlorophyll a	0.0 μg/L	Same as calibration
NBODu	1.10 mg/L	Same as calibration

BAYOU SEGNETTE MODEL INPUTS FOR SUMMER PROJECTION

Table M.9 Summer Projection Inputs for Program Constants and Initial Conditions (Data Types 3 and 11).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
K_L (surface transfer coefficient)	all	0.93 m/day	Calculated based on long term wind speed data from New Orleans International airport for August (see Appendix N)
Temperature (deg C)	all	30.9	90th percentile temperature based on LDEQ station 0296

Table M.10. Summer Projection Inputs for NPS Loads (Data Types 12 and 19).

Reach	SOD ($g/m^2/day$)	CBODu mass load (kg/day)	NBODu mass load (kg/day)	Data Source / Comment
1	0.200	0	0	These values were adjusted until a minimum DO of 5 mg/L was achieved for Bayou Segnette.
2	1.380	0	0	
3	1.120	48	0	
4	0.810	108	0	
5	1.040	78	0	
6	1.380	0	0	
7	1.380	0	0	
8	1.380	0	0	
9	0.940	125	0	
10	0.840	56	0	

Table M.11. Summer Projection Inputs for Wasteloads (Data Types 24, 25, and 26).

Wasteload	Parameter name	Value used in model	Data Source / Comment
Westwego 2 Pump Station	Flow rate	0.90 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	1.48 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	3.96 mg/L	
Outer Cataouatche Canal north connection	Flow rate	-0.26 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Outer Cataouatche Canal south connection	Flow rate	0.55 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	4.51 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	1.43 mg/L	
Unnamed Canal A north connection	Flow rate	-0.31 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Unnamed Canal A south connection	Flow rate	0.60 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	5.09 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.85 mg/L	
Storage Area	Flow rate	0.03 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	4.99 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.95 mg/L	
Millaudon Canal north connection	Flow rate	0.38 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	4.73 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	1.21 mg/L	
Millaudon Canal south connection	Flow rate	0.68 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	4.73 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	1.21 mg/L	
Tarpaper	Flow rate	0.40 m^3/sec	Same as calibration

Table M.11. (Continued)

Wasteload	Parameter name	Value used in model	Data Source / Comment
Canal	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	5.11 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.83 mg/L	
Bayou Bardeaux north	Flow rate	-8.81 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Bayou Bardeaux south	Flow rate	6.97 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	5.03 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.91 mg/L	
Drill hole to Lake Salvador	Flow rate	0.01 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	5.03 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.91 mg/L	
Pipeline Canal	Flow rate	0.36 m^3/sec	Same as calibration
	DO	6.92 mg/L	DO concentration with all man-made loads eliminated and background loads reduced by 31%
	CBODu	5.37 mg/L	calculated from LDEQ TMDL spreadsheet with all man-made loads eliminated and background loads reduced by 31%
	NBODu	0.57 mg/L	

Table M.12. Summer Projection Inputs for Lower Boundary Conditions (Data Type 27).

Parameter	Value used in model	Data Source / Comment
Temperature	30.9°C	90th percentile temperature based on LDEQ 0296
Salinity	1.83 ppt	Same as calibration
Chloride	939 mg/L	Same as calibration
Conductivity	3369 μmhos	Same as calibration
DO	6.70 mg/L	90% saturation at 90th percentile temperature
CBODu	6.02 mg/L	Same as calibration
Chlorophyll a	0.0 μg/L	Same as calibration
NBODu	1.10 mg/L	Same as calibration

BAYOU SEGNETTE MODEL INPUTS FOR WINTER PROJECTION

Table M.13 Winter Projection Inputs for Program Constants and Initial Conditions (Data Types 3 and 11).

Parameter name or description	Reach(es)	Value used in model	Data Source / Comment
K_L (surface transfer coefficient)	all	1.17 m/day	Calculated based on long term wind speed data from New Orleans International airport for November (see Appendix N)
Temperature (deg C)	all	22.7	90th percentile temperature based on LDEQ station 0296

Table M.14. Winter Projection Inputs for NPS Loads (Data Types 12 and 19).

Reach	SOD ($g/m^2/day$)	CBODu mass load (kg/day)	NBODu mass load (kg/day)	Data Source / Comment
1	0.200	0	0	These values were adjusted until a minimum DO of 5 mg/L was achieved for Bayou Segnette.
2	1.500	0	0	
3	2.280	98	0	
4	1.290	172	0	
5	1.680	126	0	
6	1.500	0	0	
7	2.700	0	0	
8	2.180	0	0	
9	2.460	328	0	
10	1.840	123	0	

Table M.15. Winter Projection Inputs for Wasteloads (Data Types 24, 25, and 26).

Wasteload	Parameter name	Value used in model	Data Source / Comment
Westwego 2 Pump Station	Flow rate	0.90 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.02 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	18.00 mg/L	
Outer Cataouatche Canal north connection	Flow rate	-0.26 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Outer Cataouatche Canal south connection	Flow rate	0.55 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	8.45 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	2.67 mg/L	
Unnamed Canal A north connection	Flow rate	-0.31 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Unnamed Canal A south connection	Flow rate	0.60 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.00 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.50 mg/L	
Storage Area	Flow rate	0.03 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.09 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.74 mg/L	
Millaudon Canal north connection	Flow rate	0.38 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.02 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	2.32 mg/L	

Table M.15. (Continued)

Wasteload	Parameter name	Value used in model	Data Source / Comment
Millaudon Canal south connection	Flow rate	0.68 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.02 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	2.32 mg/L	
Tarpaper Canal	Flow rate	0.40 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	8.88 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.45 mg/L	
Bayou Bardeaux north	Flow rate	-8.81 m^3/sec	Same as calibration
	DO	0 mg/L	Water Quality information not used by model for outflows
	CBODu	0 mg/L	
	NBODu	0 mg/L	
Bayou Bardeaux south	Flow rate	6.97 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	8.81 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.60 mg/L	
Drill hole to Lake Salvador	Flow rate	0.01 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	8.81 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.60 mg/L	
Pipeline Canal	Flow rate	0.36 m^3/sec	Same as calibration
	DO	5.58 mg/L	DO concentration with all man-made loads reduced by 72%
	CBODu	9.37 mg/L	Calculated from LDEQ TMDL spreadsheet with all man-made loads reduced by 72%
	NBODu	1.99 mg/L	

Table M.16. Winter Projection Inputs for Lower Boundary Conditions (Data Type 27).

Parameter	Value used in model	Data Source / Comment
Temperature	22.7°C	90th percentile temperature based on LDEQ 0296
Salinity	1.83 ppt	Same as calibration
Chloride	939 mg/L	Same as calibration
Conductivity	3369 μmhos	Same as calibration
DO	7.75 mg/L	90% saturation at 90th percentile temperature
CBODu	6.02 mg/L	Same as calibration
Chlorophyll a	0.0 μg/L	Same as calibration
NBODu	1.10 mg/L	Same as calibration

Wind Aided Reaeration for Bayou Segnette Summer Projection

Wind Aided Reaeration Coefficient Equation (Eq.3-23 from Rates, Constants, and Kinetics publication)

$K_{L\ with\ wind} = K_{L\ without\ wind}\ [1+(0.2395V_w^{1.643})]$ **Equation 1**

V_w = wind velocity in meters per second
K_2 = reaeration in 1/day that does not account for wind effects. For Louisiana equation use K_2 = 0.664/D.
D = depth in meters
$K_L = K_2 * D$ (=oxygen transfer coefficient "a" in model)

Formula to correct wind speed for elevation (obtained from LDEQ):

$V_{w@\ height\ z} = V_{w@\ height\ s}\ [(z/s)^{0.143}]$ **Equation 2**

CALCULATIONS FOR SUMMER PROJECTION:

Long term average wind speed for August = 5.9 mph
= 5.1 knots

August was month with lowest average wind speed for summer months (May-Oct)

Source of long term average wind speed : NOAA (2001)

Station	Average Wind Speed (knots)	Average Wind Speed (m/s)	Height of Wind Measurement (m)	Height for Calculating Wind-Aided K_L (m)	Wind Speed at Surface using Eqn 2 (m/s)	K_L without wind (m/day)	K_L with wind using Eqn 1 (m/day)
New Orleans Intl. Airport	5.1	2.6	10	0.1	1.4	0.664	0.93

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\WIND_SPEED.XLS

Wind Aided Reaeration for Bayou Segnette Winter Projection

Wind Aided Reaeration Coefficient Equation (Eq.3-23 from Rates, Constants, and Kinetics publication)

$K_{L\ with\ wind} = K_{L\ without\ wind}\ [1+(0.2395V_w^{1.643})]$ **Equation 1**

V_w = wind velocity in meters per second
K_2 = reaeration in 1/day that does not account for wind effects. For Louisiana equation use K_2 = 0.664/D.
D = depth in meters
$K_L = K_2 * D$ (=oxygen transfer coefficient "a" in model)

Formula to correct wind speed for elevation (obtained from LDEQ):

$V_{w@\ height\ z} = V_{w@\ height\ s}\ [(z/s)^{0.143}]$ **Equation 2**

CALCULATIONS FOR WINTER PROJECTION:

Long term average wind speed for November = 8.7 mph
= 7.6 knots

November was month with lowest average wind speed for winter months (Nov-Apr)

Source of long term average wind speed : NOAA (2001)

Station	Average Wind Speed (knots)	Average Wind Speed (m/s)	Height of Wind Measurement (m)	Height for Calculating Wind-Aided K_L (m)	Wind Speed at Surface using Eqn 2 (m/s)	K_L without wind (m/day)	K_L with wind using Eqn 1 (m/day)
New Orleans Intl. Airport	7.6	3.9	10	0.1	2.0	0.664	1.17

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\WIND_SPEED.XLS

APPENDIX N

Wind-Aided Reaeration for Projections

Calibration Model Non-Point Load Equivalent Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

REACH NUMBER & DESCRIPTION	Calibration Model Reach Length (km)	Calibration Model Average Reach Width (meters)	Calibration Model UCBOD Nonpoint loading (kg/day)	Calibration Model UNBOD Nonpoint loading (kg/day)	Calibration Model UCBOD Nonpoint loading (gm O_2/m^2/day)	Calibration Model UNBOD Nonpoint loading (gm O_2/m^2/day)	Calibration Model SOD (gm O_2/m^2/day)	Calibration Model TOTAL Benthic Load (gm O_2/m^2/day)
	A	**B**	**C**	**D**	**E = C / (A x B)**	**F = D / (A x B)**	**G**	**H = E + F + G**
Reach 1: Bayou Segnette	1.40	96.60	0	0	0.000	0.000	0.20	**0.20**
Reach 2: Bayou Segnette	1.00	96.60	0	0	0.000	0.000	1.50	**1.50**
Reach 3: Bayou Segnette	1.90	96.60	150	0	0.817	0.000	3.50	**4.32**
Reach 4: Bayou Segnette	1.70	112.20	200	0	1.049	0.000	1.50	**2.55**
Reach 5: Bayou Segnette	1.80	128.00	150	0	0.651	0.000	2.00	**2.65**
Reach 6: Bayou Segnette	1.20	162.10	0	0	0.000	0.000	1.50	**1.50**
Reach 7: Bayou Segnette	2.70	68.30	0	0	0.000	0.000	4.0	**4.00**
Reach 8: Bayou Segnette	2.60	88.00	0	0	0.000	0.000	2.5	**2.50**
Reach 9: Bayou Segnette	3.60	78.20	600	0	2.131	0.000	4.5	**6.63**
Reach 10: Bayou Segnette	1.50	68.60	200	0	1.944	0.000	3.0	**4.94**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

Summer TMDL calculations and Projection model calculations for Headwater / Tributary for no man made loads:

Bayou Segnette

Shaded cells are input values for calculations.
Values to be used in the projection models.

Headwater / Tributary load determinations

Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD (mg/l)	UNBOD (mg/l)	UCBOD (kg/day)	UNBOD (kg/day)	Background UCBOD conc. (mg/l)	Background UNBOD conc. (mg/l)	Background % Reduction	Background UCBOD Load (kg/day)	Background UNBOD Load (kg/day)	Percent reduction of Man-Made loads	UCBOD load adjusted for % Reduction (kg/day)	UNBOD load adjusted for % Reduction (kg/day)	Reduced UCBOD load adjusted for MOS (kg/day)	Reduced UNBOD load adjusted for MOS (kg/day)	Projection UCBOD input conc. (mg/l)	Projection UNBOD input conc. (mg/l)	**Total MOS (kg/day)**	**Total LA (kg/day)**
	A	**B**	**C**	**D = (86.4)(A)(B)**	**E = (86.4)(A)(C)**	**F**	**G**	**H1**	**H = (1-H1) (86.4)(A)(F)**	**I = (1-H1) (86.4)(A)(G)**	**J**	**K = (D-H)(1-J) + H**	**L = (D-I)(1-J) + I**	**M = (K - H) / (1 - MOS) + H**	**N = (L - I) / (1 - MOS) + I**	**(M)/[(A)(86.4)]**	**(N)/[(A)(86.4)]**	**(M+N) - (K+L)**	**K + L**
Westwego 2 Pump St	0.9	19.6	39.1	1,524.87	3,041.19	3.00	6.00	0%	233.28	466.56	100%	233.28	466.56	233.28	466.56	3.00	6.00	**0.00**	**699.84**
Outer Cat Canal N	-0.26	11.3	3.6	-253.62	-80.20	3.00	6.00	0%	-67.39	-134.78	100%	-67.39	-80.20	-67.39	-80.20	3.00	3.57	**0.00**	**-147.59**
Outer Cat Canal S	0.55	11.3	3.6	536.50	169.65	3.00	6.00	0%	142.56	285.12	100%	142.56	169.65	142.56	169.65	3.00	3.57	**0.00**	**312.21**
UCA North connection	-0.3	11.3	1.9	-292.12	-48.73	3.00	6.00	0%	-77.76	-155.52	100%	-77.76	-48.73	-77.76	-48.73	3.00	1.88	**0.00**	**-126.49**
UCA South connection	0.6	11.3	1.9	584.24	97.46	3.00	6.00	0%	155.52	311.04	100%	155.52	97.46	155.52	97.46	3.00	1.88	**0.00**	**252.98**
Storage area	0.28	11.8	2.3	285.22	54.43	3.00	6.00	0%	72.58	145.15	100%	72.58	54.43	72.58	54.43	3.00	2.25	**0.00**	**127.01**
Millaudon Canal N	0.35	12.3	3.2	371.95	95.56	3.00	6.00	0%	90.72	181.44	100%	90.72	95.56	90.72	95.56	3.00	3.16	**0.00**	**186.28**
Millaudon Canal S	0.7	12.3	3.2	743.90	191.12	3.00	6.00	0%	181.44	362.88	100%	181	191	181.44	191.12	3.00	3.16	**0.00**	**372.56**
Tarpapper Canal	0.4	10.9	1.8	377	62	3.00	6.00	0%	103.68	207.36	100%	104	62	104	62	3.00	1.78	**0.00**	**165.20**
Bayou Bardeaux North	-8.65	10.9	2.0	-8,146	-1,480	3.00	6.00	0%	-2,242.08	-4,484.16	100%	-2242	-1480	-2242	-1480	3.00	1.98	**0.00**	**-3,721.85**
Bayou Bardeaux South	6.54	10.9	2.0	6,159	1,119	3.00	6.00	0%	1,695.17	3,390.34	100%	1695	1119	1695	1119	3.00	1.98	**0.00**	**2,813.98**
Drill hole to Lk Sal	0.01	10.9	2.0	9	2	3.00	6.00	0%	2.59	5.18	100%	3	2	3	2	3.00	1.98	**0.00**	**4.30**
Pipeline Canal	0.36	11.5	1.2	359	38	3.00	6.00	0%	93.31	186.62	100%	93	38	93	38	3.00	1.22	**0.00**	**131.26**
SUB-TOTAL TMDL LOADING				**2,259**	**3,261**				**384**	**767**		**384**	**686**	**384**	**686**			**0**	**1,070**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) =	**20%**

Summer Projection, No Man-Made Loading, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Projection Model Equivalents				Projected Model Loads				Margin of Safety Loads					
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Reduced TCBL adjusted for MOS	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Total Projection Benthic Load **(LA+MOS)**	MOS Total Benthic Load @ 20°C	MOS SOD @ 20°C	Non-Point UCBOD MOS Loads	Non-Point UNBOD MOS Loads	Adjusted SOD MOS @ Proj. temp	Adjusted Total MOS @ Proj. temp
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**J,** (note 2)	**K,** (note 3)	**L = (K)(A / D)**	**M = (K)(B / D)**	**N = (K)(C / D)**	**O = (E)(G)(L)**	**P = (E)(G)(M)**	**Q,** (note 4)	**O + P + Q**	**R = (K-J)(E)(G)**	**S = (R)(C/D)**	**T = (R)(A/D)**	**U = (R)(B/D)**	**V,** (note 5)	**T + U + V**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	30.90	100.0%	0.20	0.20	0.000	0.000	0.20	0	0	54	53.73	0	0	0	0	0	0
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	30.90	100.0%	1.50	1.50	0.000	0.000	1.50	0	0	288	287.86	0	0	0	0	0	0
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	30.90	100.0%	2.00	2.00	0.379	0.000	1.62	69	0	591	660.68	0	0	0	0	0	0
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	30.90	100.0%	2.00	2.00	0.823	0.000	1.18	157	0	446	603.00	0	0	0	0	0	0
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	30.90	100.0%	2.00	2.00	0.491	0.000	1.51	113	0	691	803.78	0	0	0	0	0	0
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	30.90	100.0%	1.50	1.50	0.000	0.000	1.50	0	0	580	579.65	0	0	0	0	0	0
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	30.90	100.0%	2.00	2.00	0.000	0.000	2.00	0	0	733	732.70	0	0	0	0	0	0
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	30.90	100.0%	2.00	2.00	0.000	0.000	2.00	0	0	909	909.07	0	0	0	0	0	0
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	30.90	100.0%	2.00	2.00	0.643	0.000	1.36	181	0	759	940.00	0	0	0	0	0	0
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	30.90	100.0%	2.00	2.00	0.786	0.000	1.21	81	0	248	329.01	0	0	0	0	0	0
Sub-Total												17.20					601	0	5298	**5899**	0		0	0	0	**0**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

Summer Projection, No Man-Made Loading, Non-Point Benthic Load Input and TMDL (

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values											Man-made Model equivalents				Man-made Model loads				Background Model loads			
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	Manmade portion of TCBL	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**W = K - F**	**X = (W)(A / D)**	**Y = (W)(B / D)**	**Z = (W)(C / D)**	**AA = (E)(G)(X)**	**AB = (E)(G)(Y)**	**AC,** (note 6)	**AA + AB + AC**	**AD = O AA**	**AE = P AB**	**AF = Q AC**	**AD + AE + AF**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	54	53.73
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	288	287.86
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	69	0	591	660.68
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	157	0	446	603.00
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	113	0	691	803.78
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	580	579.65
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	733	732.70
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	909	909.07
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	181	0	759	940.00
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	30.90	100.0%	0.00	0.000	0.000	0.00	0	0	0	0.00	81	0	248	329.01
Sub-Total																0	0	0	**0**	601	0	5298	**5899**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

APPENDIX O

NPS Load Calculations for No-Load Runs

Calibration Model Non-Point Load Equivalent Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

REACH NUMBER & DESCRIPTION	Calibration Model Reach Length (km)	Calibration Model Average Reach Width (meters)	Calibration Model UCBOD Nonpoint loading (kg/day)	Calibration Model UNBOD Nonpoint loading (kg/day)	Calibration Model UCBOD Nonpoint loading (gm O_2/m^2/day)	Calibration Model UNBOD Nonpoint loading (gm O_2/m^2/day)	Calibration Model SOD (gm O_2/m^2/day)	Calibration Model TOTAL Benthic Load (gm O_2/m^2/day)
	A	**B**	**C**	**D**	**E = C / (A x B)**	**F = D / (A x B)**	**G**	**H = E + F + G**
Reach 1: Bayou Segnette	1.40	96.60	0	0	0.000	0.000	0.20	**0.20**
Reach 2: Bayou Segnette	1.00	96.60	0	0	0.000	0.000	1.50	**1.50**
Reach 3: Bayou Segnette	1.90	96.60	150	0	0.817	0.000	3.50	**4.32**
Reach 4: Bayou Segnette	1.70	112.20	200	0	1.049	0.000	1.50	**2.55**
Reach 5: Bayou Segnette	1.80	128.00	150	0	0.651	0.000	2.00	**2.65**
Reach 6: Bayou Segnette	1.20	162.10	0	0	0.000	0.000	1.50	**1.50**
Reach 7: Bayou Segnette	2.70	68.30	0	0	0.000	0.000	4.0	**4.00**
Reach 8: Bayou Segnette	2.60	88.00	0	0	0.000	0.000	2.5	**2.50**
Reach 9: Bayou Segnette	3.60	78.20	600	0	2.131	0.000	4.5	**6.63**
Reach 10: Bayou Segnette	1.50	68.60	200	0	1.944	0.000	3.0	**4.94**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

Winter TMDL calculations and Projection model calculations for Headwater / Tributary no man made loads:

Bayou Segnette

Shaded cells are input values for calculations.
Values to be used in the projection models.

Headwater / Tributary load determinations

Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD (mg/l)	UNBOD (mg/l)	UCBOD (kg/day)	UNBOD (kg/day)	Background UCBOD conc. (mg/l)	Background UNBOD conc. (mg/l)	Background % Reduction	Background UCBOD Load (kg/day)	Background UNBOD Load (kg/day)	Percent reduction of Man-Made loads	UCBOD load adjusted for % Reduction (kg/day)	UNBOD load adjusted for % Reduction (kg/day)	Reduced UCBOD load adjusted for MOS (kg/day)	Reduced UNBOD load adjusted for MOS (kg/day)	Projection UCBOD input conc. (mg/l)	Projection UNBOD input conc. (mg/l)	**Total MOS (kg/day)**	**Total LA (kg/day)**
	A	**B**	**C**	**D = (86.4)(A)(B)**	**E = (86.4)(A)(C)**	**F**	**G**	**H1**	**H = (1-H1) (86.4)(A)(F)**	**I = (1-H1) (86.4)(A)(G)**	**J**	**K = (D-H)(1-J) + H**	**L = (D-I)(1-J) + I**	**M = (K - H) / (1 - MOS) + H**	**N = (L - I) / (1 - MOS) + I**	**(M)/[(A)(86.4)]**	**(N)/[(A)(86.4)]**	**(M+N) - (K+L)**	**K + L**
Westwego 2 Pump St	0.9	19.6	39.1	1,524.87	3,041.19	3.00	6.00	0%	233.28	466.56	100%	233.28	466.56	233.28	466.56	3.00	6.00	**0.00**	**699.84**
Outer Cat Canal N	-0.26	11.3	3.6	-253.62	-80.20	3.00	6.00	0%	-67.39	-134.78	100%	-67.39	-80.20	-67.39	-80.20	3.00	3.57	**0.00**	**-147.59**
Outer Cat Canal S	0.55	11.3	3.6	536.50	169.65	3.00	6.00	0%	142.56	285.12	100%	142.56	169.65	142.56	169.65	3.00	3.57	**0.00**	**312.21**
UCA North connection	-0.3	11.3	1.9	-292.12	-48.73	3.00	6.00	0%	-77.76	-155.52	100%	-77.76	-48.73	-77.76	-48.73	3.00	1.88	**0.00**	**-126.49**
UCA South connection	0.6	11.3	1.9	584.24	97.46	3.00	6.00	0%	155.52	311.04	100%	155.52	97.46	155.52	97.46	3.00	1.88	**0.00**	**252.98**
Storage area	0.28	11.8	2.3	285.22	54.43	3.00	6.00	0%	72.58	145.15	100%	72.58	54.43	72.58	54.43	3.00	2.25	**0.00**	**127.01**
Millaudon Canal N	0.35	12.3	3.2	371.95	95.56	3.00	6.00	0%	90.72	181.44	100%	90.72	95.56	90.72	95.56	3.00	3.16	**0.00**	**186.28**
Millaudon Canal S	0.7	12.3	3.2	743.90	191.12	3.00	6.00	0%	181.44	362.88	100%	181	191	181.44	191.12	3.00	3.16	**0.00**	**372.56**
Tarpapper Canal	0.4	10.9	1.8	377	62	3.00	6.00	0%	104	207	100%	104	62	104	62	3.00	1.78	**0.00**	**165.20**
Bayou Bardeaux North	-8.65	10.9	2.0	-8,146	-1,480	3.00	6.00	0%	-2,242	-4,484	100%	-2242	-1480	-2242	-1480	3.00	1.98	**0.00**	**-3,721.85**
Bayou Bardeaux South	6.54	10.9	2.0	6,159	1,119	3.00	6.00	0%	1,695	3,390	100%	1695	1119	1695	1119	3.00	1.98	**0.00**	**2,813.98**
Drill hole to Lk Sal	0.01	10.9	2.0	9	2	3.00	6.00	0%	3	5	100%	3	2	3	2	3.00	1.98	**0.00**	**4.30**
Pipeline Canal	0.36	11.5	1.2	359	38	3.00	6.00	0%	93	187	100%	93	38	93	38	3.00	1.22	**0.00**	**131.26**
SUB-TOTAL TMDL LOADING				**2,259**	**3,261**				**384**	**767**		**384**	**686**	**384**	**686**			**0**	**1,070**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) =	**20%**

Winter Projection, No Man Made Loading, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Projection Model Equivalents				Projected Model Loads				Margin of Safety Loads					
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Reduced TCBL adjusted for MOS	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Total Projection Benthic Load **(LA+MOS)**	MOS Total Benthic Load @ 20°C	MOS SOD @ 20°C	Non-Point UCBOD MOS Loads	Non-Point UNBOD MOS Loads	Adjusted SOD MOS @ Proj. temp	Adjusted Total MOS @ Proj. temp
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**J,** (note 2)	**K,** (note 3)	**L = (K)(A / D)**	**M = (K)(B / D)**	**N = (K)(C / D)**	**O = (E)(G)(L)**	**P = (E)(G)(M)**	**Q,** (note 4)	**O + P + Q**	**R = (K-J)(E)(G)**	**S = (R)(C/D)**	**T = (R)(A/D)**	**U = (R)(B/D)**	**V,** (note 5)	**T + U + V**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	22.70	100.0%	0.20	0.20	0.000	0.000	0.20	0	0	32	32.06	0	0	0	0	0	0
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	22.70	100.0%	1.50	1.50	0.000	0.000	1.50	0	0	172	171.76	0	0	0	0	0	0
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	22.70	100.0%	2.00	2.00	0.379	0.000	1.62	69	0	353	422.24	0	0	0	0	0	0
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	22.70	100.0%	2.00	2.00	0.823	0.000	1.18	157	0	266	423.09	0	0	0	0	0	0
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	22.70	100.0%	2.00	2.00	0.491	0.000	1.51	113	0	412	525.23	0	0	0	0	0	0
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	22.70	100.0%	1.50	1.50	0.000	0.000	1.50	0	0	346	345.86	0	0	0	0	0	0
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	22.70	100.0%	2.00	2.00	0.000	0.000	2.00	0	0	437	437.18	0	0	0	0	0	0
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	22.70	100.0%	2.00	2.00	0.000	0.000	2.00	0	0	542	542.41	0	0	0	0	0	0
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	22.70	100.0%	2.00	2.00	0.643	0.000	1.36	181	0	453	633.86	0	0	0	0	0	0
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	22.70	100.0%	2.00	2.00	0.786	0.000	1.21	81	0	148	228.95	0	0	0	0	0	0
Sub-Total												17.20					601	0	3161	**3763**	0		0	0	0	**0**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

Winter Projection, No Man Made Loading, Non-Point Benthic Load Input and TMDL Calculatio

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Man-made Model equivalents				Man-made Model loads				Background Model loads			
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Manmade portion of TCBL	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**J,** (note 2)	**W = K - F**	**X = (W)(A / D)**	**Y = (W)(B / D)**	**Z = (W)(C / D)**	**AA = (E)(G)(X)**	**AB = (E)(G)(Y)**	**AC,** (note 6)	**AA + AB + AC**	**AD = O - AA**	**AE = P - AB**	**AF = Q - AC**	**AD + AE + AF**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	22.70	100.0%	0.20	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	32	32.06
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	22.70	100.0%	1.50	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	172	171.76
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	69	0	353	422.24
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	157	0	266	423.09
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	113	0	412	525.23
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	22.70	100.0%	1.50	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	346	345.86
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	437	437.18
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	542	542.41
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	181	0	453	633.86
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	22.70	100.0%	2.00	0.00	0.000	0.000	0.00	0	0	0	0.00	81	0	148	228.95
Sub-Total												17.20					0	0	0	**0**	601	0	3161	**3763**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

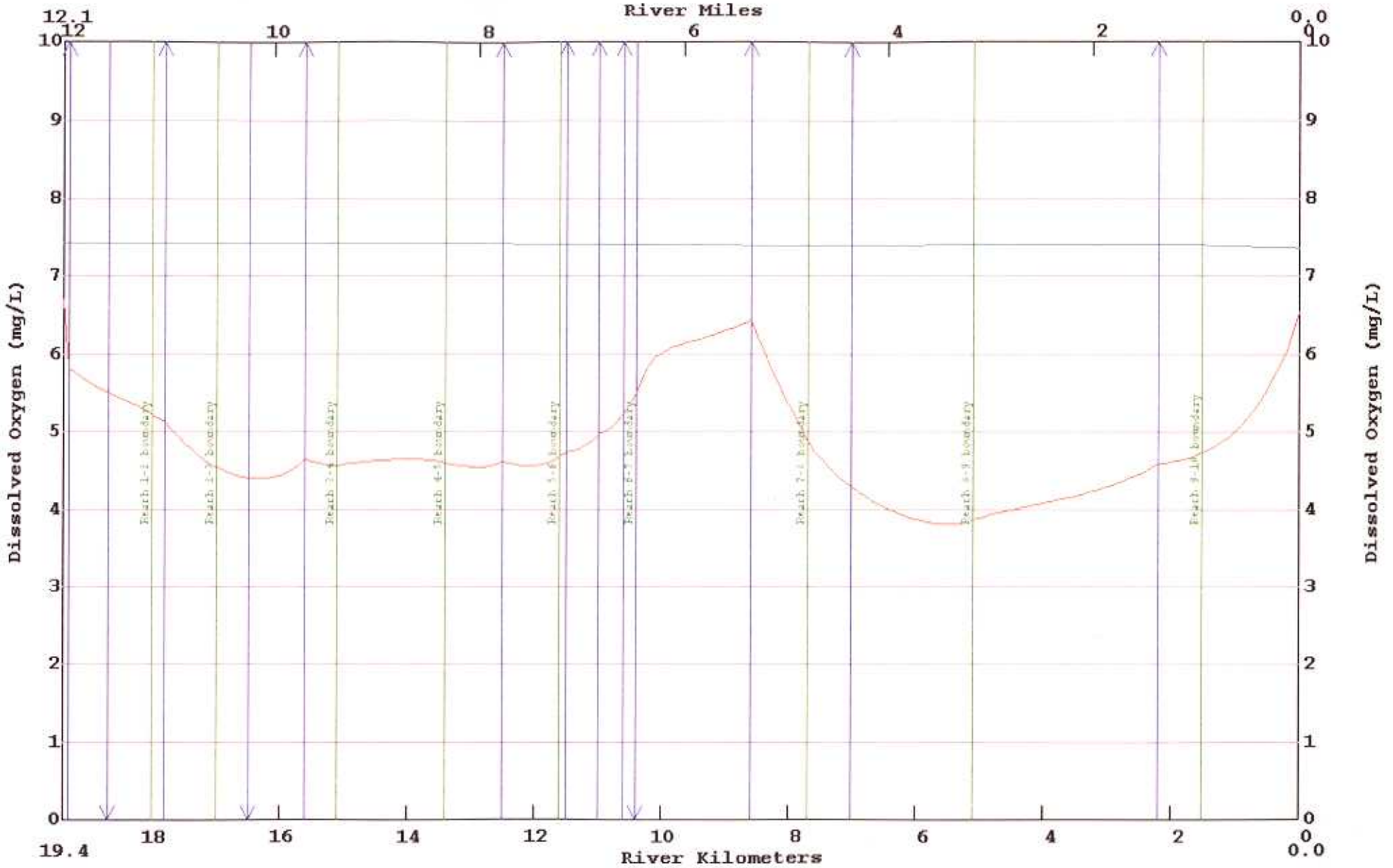
MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\SEGNETTE PDF\TMDL LOAD CALC FOR SEGNETTE-NAT.XLS

APPENDIX P

Model Output for No-Load Runs

LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\proj\summer\nat\seg_sum-nat.txt
Summer projection, no man made load (natural) model min= 3.81 max= 6.70
LA-QUAL simulation of Bayou Segnette (020701)



```
LA-QUAL Version 6.02
Louisiana Department of Environmental Quality

Input file is R:\projects\3110-051\la-qual\segnette\no pts source\proj\summer\nat\seg_sum-nat.txt
Output produced at 16:06 on 03/30/2004

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL simulation of Bayou Segnette (020701)
TITLE02         Summer projection, no man made load (natural) model
CNTROL03   NO   SEQU                        <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                        <Warning: legacy control - line ignored>
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03  YES   CONSERVATIVE MATERIAL  I = Chloride                  IN mg/L      CL
MODOPT04  YES   CONSERVATIVE MATERIAL II = Conductivity              IN umhos     COND
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07   NO   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12  YES   NONCONSERVATIVE MATERIAL = Nitrogenous BOD             IN mg/L     NBOD
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         NCM OXYGEN UPTAKE RATE             =         1.00000 mg O/mg NCM
PROGRAM         KL MINIMUM                         =         0.93000 meters/day
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	BS	Bayou Segnette	19.40	TO	18.00	0.1000	1.40	14	1	14
REACH ID	2	BS	Bayou Segnette	18.00	TO	17.00	0.1000	1.00	10	15	24
REACH ID	3	BS	Bayou Segnette	17.00	TO	15.10	0.1000	1.90	19	25	43
REACH ID	4	BS	Bayou Segnette	15.10	TO	13.40	0.1000	1.70	17	44	60
REACH ID	5	BS	Bayou Segnette	13.40	TO	11.60	0.1000	1.80	18	61	78
REACH ID	6	BS	Bayou Segnette	11.60	TO	10.40	0.1000	1.20	12	79	90
REACH ID	7	BS	Bayou Segnette	10.40	TO	7.70	0.1000	2.70	27	91	117
REACH ID	8	BS	Bayou Segnette	7.70	TO	5.10	0.1000	2.60	26	118	143
REACH ID	9	BS	Bayou Segnette	5.10	TO	1.50	0.1000	3.60	36	144	179
REACH ID	10	BS	Bayou Segnette	1.50	TO	0.00	0.1000	1.50	15	180	194

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	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	2	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	3	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	4	BS	0.000	0.000	112.200	0.000	0.000	0.960	0.00000	0.000
HYDR-1	5	BS	0.000	0.000	128.000	0.000	0.000	0.970	0.00000	0.000
HYDR-1	6	BS	0.000	0.000	162.100	0.000	0.000	1.120	0.00000	0.000
HYDR-1	7	BS	0.000	0.000	68.300	0.000	0.000	0.830	0.00000	0.000
HYDR-1	8	BS	0.000	0.000	88.000	0.000	0.000	0.900	0.00000	0.000
HYDR-1	9	BS	0.000	0.000	78.200	0.000	0.000	1.140	0.00000	0.000
HYDR-1	10	BS	0.000	0.000	68.600	0.000	0.000	1.090	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"
HYDR	1	BS	0.00	8.000	0.000	0.000	0.000
HYDR	2	BS	0.00	8.000	0.000	0.000	0.000
HYDR	3	BS	0.00	8.000	0.000	0.000	0.000
HYDR	4	BS	0.00	8.000	0.000	0.000	0.000
HYDR	5	BS	0.00	8.000	0.000	0.000	0.000
HYDR	6	BS	0.00	8.000	0.000	0.000	0.000
HYDR	7	BS	0.00	11.000	0.000	0.000	0.000
HYDR	8	BS	0.00	14.000	0.000	0.000	0.000
HYDR	9	BS	0.00	17.000	0.000	0.000	0.000
HYDR	10	BS	0.00	20.000	0.000	0.000	0.000

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	BS	30.90	0.36	2.60	0.00	0.00	0.00	0.00	0.00
INITIAL	2	BS	30.90	0.36	2.82	0.00	0.00	0.00	0.00	0.00
INITIAL	3	BS	30.90	0.36	3.05	0.00	0.00	0.00	0.00	0.00
INITIAL	4	BS	30.90	0.37	3.68	0.00	0.00	0.00	0.00	0.00
INITIAL	5	BS	30.90	0.37	4.30	0.00	0.00	0.00	0.00	0.00
INITIAL	6	BS	30.90	0.51	4.80	0.00	0.00	0.00	0.00	0.00
INITIAL	7	BS	30.90	0.64	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	8	BS	30.90	1.04	5.07	0.00	0.00	0.00	0.00	0.00
INITIAL	9	BS	30.90	0.83	3.34	0.00	0.00	0.00	0.00	0.00
INITIAL	10	BS	30.90	0.83	3.34	0.00	0.00	0.00	0.00	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 BOD DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	BS	15 LOUISIANA	0.000	0.000	0.000	0.200	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	BS	15 LOUISIANA	0.000	0.000	0.000	1.620	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	BS	15 LOUISIANA	0.000	0.000	0.000	1.180	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	BS	15 LOUISIANA	0.000	0.000	0.000	1.510	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	BS	15 LOUISIANA	0.000	0.000	0.000	2.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	BS	15 LOUISIANA	0.000	0.000	0.000	2.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	BS	15 LOUISIANA	0.000	0.000	0.000	1.360	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	BS	15 LOUISIANA	0.000	0.000	0.000	1.210	0.060	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 DECA	ORG-N SETT	ORGN CONV TO NH3 SRCE	NH3 DECA	NH3 SRCE	PHOS SRCE	DENIT RATE

ENDATA13

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

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

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF	NCM DECAY	NCM SETT	NCM CONV TO SOD
COEF-4	1	BS	0.000	0.250	0.000	0.000
COEF-4	2	BS	0.000	0.250	0.000	0.000
COEF-4	3	BS	0.000	0.130	0.000	0.000
COEF-4	4	BS	0.000	0.110	0.000	0.000
COEF-4	5	BS	0.000	0.110	0.000	0.000
COEF-4	6	BS	0.000	0.110	0.000	0.000
COEF-4	7	BS	0.000	0.110	0.000	0.000
COEF-4	8	BS	0.000	0.110	0.000	0.000
COEF-4	9	BS	0.000	0.110	0.000	0.000
COEF-4	10	BS	0.000	0.110	0.000	0.000

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	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	BS	69.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	BS	157.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	BS	113.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	BS	181.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	BS	81.00	0.00	0.00	0.00	0.00	0.00

ENDATA19

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

CARD TYPE	ELEMENT	NAME	UNIT	FLOW m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
HDWTR-1	1	Bayou Segnette	0	0.00000	0.000	0.00	0.00	0.000	0.000

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 Segnette	6.70	0.00	0.00	0.00	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
HDWTR-3	1	Bayou Segnette	0.00	0.00	0.00	0.00

ENDATA22

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

CARD TYPE	JUNCTION ELEMENT	UPSTRM ELEMENT	RIVER KILOM	NAME

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m³/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
WSTLD-1	1	19.40	Westwego 2 Pump St	0.90000	31.77966	20.543	30.90	0.37	84.400	718.000
WSTLD-1	7	18.80	Outer Cat Canal N	-0.26000	-9.18079	-5.935	0.00	0.00	0.000	0.000
WSTLD-1	16	17.90	Outer Cat Canal S	0.55000	19.42090	12.554	30.90	0.31	115.000	609.000
WSTLD-1	29	16.60	UCA North connection	-0.30000	-10.59322	-6.848	0.00	0.00	0.000	0.000
WSTLD-1	38	15.70	UCA South connection	0.60000	21.18644	13.695	30.90	0.41	154.000	788.000
WSTLD-1	69	12.60	Storage area	0.28000	9.88701	6.391	30.90	0.37	151.000	710.800
WSTLD-1	79	11.60	Millaudon Canal N	0.35000	12.35876	7.989	30.90	0.78	363.000	1475.000
WSTLD-1	84	11.10	Millaudon Canal S	0.70000	24.71751	15.978	30.90	0.78	363.000	1475.000
WSTLD-1	88	10.70	Tarpaper Canal	0.40000	14.12429	9.130	30.90	0.49	234.000	931.000
WSTLD-1	90	10.50	Bayou Bardeaux North	-8.65000	-305.43784	-197.439	0.00	0.00	0.000	0.000
WSTLD-1	108	8.70	Bayou Bardeaux South	6.54000	230.93221	149.277	30.90	0.53	310.000	1279.000
WSTLD-1	124	7.10	Drill hole to Lk Sal	0.01000	0.35311	0.228	30.90	0.53	310.000	1279.000
WSTLD-1	172	2.30	Pipeline Canal	0.36000	12.71187	8.217	30.90	0.64	304.000	1210.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD#2 mg/L
WSTLD-1	1	Westwego 2 Pump St	6.70	3.01	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	6.70	6.84	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	6.70	7.71	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	69	Storage area	6.70	7.56	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	79	Millaudon Canal N	6.70	7.16	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	84	Millaudon Canal S	6.70	7.16	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	88	Tarpaper Canal	6.70	7.74	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	6.70	7.62	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	124	Drill hole to Lk Sal	6.70	7.62	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	172	Pipeline Canal	6.70	8.14	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
WSTLD-1	1	Westwego 2 Pump St	0.00	0.00	0.00	5.99
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	0.00	0.00	0.00	2.16
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	0.00	0.00	0.00	1.29
WSTLD-1	69	Storage area	0.00	0.00	0.00	1.44
WSTLD-1	79	Millaudon Canal N	0.00	0.00	0.00	1.84
WSTLD-1	84	Millaudon Canal S	0.00	0.00	0.00	1.84
WSTLD-1	88	Tarpaper Canal	0.00	0.00	0.00	1.26
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	0.00	0.00	0.00	1.38
WSTLD-1	124	Drill hole to Lk Sal	0.00	0.00	0.00	1.38
WSTLD-1	172	Pipeline Canal	0.00	0.00	0.00	0.86

ENDATA26

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

CARD TYPE	CONSTITUENT	CONCENTRATION		
LOWER BC	TEMPERATURE	=	30.900	deg C
LOWER BC	SALINITY	=	1.830	ppt
LOWER BC	CONSERVATIVE MATERIAL I (Cl)	=	939.000	mg/L
LOWER BC	CONSERVATIVE MATERIAL II (Cond)	=	3369.000	umhos
LOWER BC	DISSOLVED OXYGEN	=	6.700	mg/L
LOWER BC	BIOCHEMICAL OXYGEN DEMAND (CBODu)	=	6.020	mg/L
LOWER BC	CHLOROPHYLL A	=	0.000	µg/L
LOWER BC	NONCONSERVATIVE MATERIAL (NBODu)	=	1.100	mg/L

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

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

OVERLAY 1 SEG5r.OVL
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 1 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11

CONDENSED CAPSULE SUMMARY FOR Bayou Segnette

DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORGN mg/L	NH3 µg/L	CHLA 1/da	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	0.00000	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00							
19.30	0.90000	30.90	0.36	5.81	3.00	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.20	0.90000	30.90	0.36	5.74	3.00	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.10	0.90000	30.90	0.36	5.69	3.01	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.00	0.90000	30.90	0.36	5.64	3.03	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.90	0.90000	30.90	0.36	5.59	3.05	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.80	0.90000	30.90	0.36	5.55	3.08	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.70	0.64000	30.90	0.36	5.51	3.12	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.60	0.64000	30.90	0.36	5.47	3.16	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.50	0.64000	30.90	0.36	5.43	3.21	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.40	0.64000	30.90	0.36	5.40	3.28	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.30	0.64000	30.90	0.36	5.36	3.35	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.20	0.64000	30.90	0.36	5.32	3.43	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.10	0.64000	30.90	0.36	5.27	3.52	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.00	0.64000	30.90	0.36	5.22	3.63	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
17.90	0.64000	30.90	0.36	5.16	3.75	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.80	1.19000	30.90	0.36	5.12	3.88	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.70	1.19000	30.90	0.36	5.02	3.86	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.60	1.19000	30.90	0.36	4.93	3.85	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.50	1.19000	30.90	0.36	4.84	3.84	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.40	1.19000	30.90	0.36	4.77	3.83	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.30	1.19000	30.90	0.36	4.70	3.83	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.20	1.19000	30.90	0.36	4.64	3.84	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.10	1.19000	30.90	0.36	4.58	3.85	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
17.00	1.19000	30.90	0.36	4.54	3.87	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.98
16.90	1.19000	30.90	0.36	4.50	3.90	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.80	1.19000	30.90	0.36	4.47	3.94	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.70	1.19000	30.90	0.36	4.44	3.98	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.60	1.19000	30.90	0.36	4.42	4.03	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.50	0.89000	30.90	0.36	4.41	4.09	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.40	0.89000	30.90	0.36	4.40	4.15	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.30	0.89000	30.90	0.36	4.39	4.22	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.20	0.89000	30.90	0.36	4.40	4.30	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.10	0.89000	30.90	0.36	4.41	4.39	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
16.00	0.89000	30.90	0.37	4.43	4.49	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.90	0.89000	30.90	0.37	4.47	4.60	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22

15.80	0.89000	30.90	0.37	4.51	4.73	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.70	0.89000	30.90	0.37	4.57	4.86	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.60	1.49000	30.90	0.37	4.65	5.01	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.50	1.49000	30.90	0.37	4.62	5.02	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.40	1.49000	30.90	0.37	4.59	5.02	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.30	1.49000	30.90	0.37	4.58	5.03	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.20	1.49000	30.90	0.37	4.57	5.05	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.10	1.49000	30.90	0.37	4.57	5.07	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	3.22
15.00	1.49000	30.90	0.37	4.58	5.09	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.90	1.49000	30.90	0.37	4.59	5.12	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.80	1.49000	30.90	0.37	4.60	5.15	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.70	1.49000	30.90	0.37	4.61	5.17	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.60	1.49000	30.90	0.37	4.62	5.20	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.50	1.49000	30.90	0.37	4.63	5.23	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.40	1.49000	30.90	0.37	4.63	5.25	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.30	1.49000	30.90	0.37	4.64	5.28	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.20	1.49000	30.90	0.37	4.64	5.30	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.10	1.49000	30.90	0.37	4.64	5.32	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
14.00	1.49000	30.90	0.37	4.65	5.35	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.90	1.49000	30.90	0.37	4.65	5.37	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.80	1.49000	30.90	0.37	4.64	5.39	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.70	1.49000	30.90	0.37	4.64	5.41	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.60	1.49000	30.90	0.37	4.63	5.43	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.50	1.49000	30.90	0.37	4.62	5.45	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.40	1.49000	30.90	0.37	4.60	5.47	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	2.34
13.30	1.49000	30.90	0.38	4.58	5.48	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
13.20	1.49000	30.90	0.39	4.56	5.50	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
13.10	1.49000	30.90	0.39	4.55	5.52	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
13.00	1.49000	30.90	0.40	4.54	5.54	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.90	1.49000	30.90	0.41	4.54	5.57	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.80	1.49000	30.90	0.42	4.55	5.60	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.70	1.49000	30.90	0.42	4.56	5.64	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.60	1.49000	30.90	0.43	4.58	5.68	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.50	1.77000	30.90	0.44	4.61	5.73	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.40	1.77000	30.90	0.45	4.59	5.74	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.30	1.77000	30.90	0.46	4.58	5.75	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.20	1.77000	30.90	0.46	4.57	5.76	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.10	1.77000	30.90	0.47	4.57	5.78	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
12.00	1.77000	30.90	0.48	4.57	5.80	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
11.90	1.77000	30.90	0.49	4.58	5.82	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
11.80	1.77000	30.90	0.49	4.60	5.85	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
11.70	1.77000	30.90	0.50	4.64	5.89	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
11.60	1.77000	30.90	0.51	4.68	5.93	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	3.00
11.50	2.12000	30.90	0.52	4.74	5.97	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
11.40	2.12000	30.90	0.53	4.75	5.99	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
11.30	2.12000	30.90	0.54	4.78	6.03	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
11.20	2.12000	30.90	0.55	4.82	6.07	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
11.10	2.12000	30.90	0.56	4.89	6.13	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
11.00	2.82000	30.90	0.57	4.97	6.21	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.90	2.82000	30.90	0.59	5.00	6.27	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.80	2.82000	30.90	0.60	5.05	6.34	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.70	2.82000	30.90	0.61	5.13	6.44	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.60	3.22000	30.90	0.62	5.24	6.56	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.50	3.22000	30.90	0.63	5.34	6.69	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.98
10.40	-5.43000	30.90	0.64	5.50	6.85	0.00	0.00	0.00	0.00	1.19	0.10	0.00	0.00	0.00	0.00	2.98
10.30	-5.43000	30.90	0.65	5.69	7.05	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97

10.20	-5.43000	30.90	0.67	5.86	7.22	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
10.10	-5.43000	30.90	0.68	5.96	7.32	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
10.00	-5.43000	30.90	0.70	6.02	7.37	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.90	-5.43000	30.90	0.71	6.06	7.41	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.80	-5.43000	30.90	0.73	6.10	7.43	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.70	-5.43000	30.90	0.74	6.12	7.45	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.60	-5.43000	30.90	0.76	6.15	7.46	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.50	-5.43000	30.90	0.77	6.17	7.47	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.40	-5.43000	30.90	0.79	6.20	7.48	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.30	-5.43000	30.90	0.80	6.23	7.49	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.20	-5.43000	30.90	0.82	6.25	7.50	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.10	-5.43000	30.90	0.83	6.28	7.51	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
9.00	-5.43000	30.90	0.85	6.31	7.52	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
8.90	-5.43000	30.90	0.86	6.34	7.53	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
8.80	-5.43000	30.90	0.88	6.37	7.54	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
8.70	-5.43000	30.90	0.89	6.40	7.54	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	3.97
8.60	1.11000	30.90	0.91	6.44	7.55	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.50	1.11000	30.90	0.92	6.24	7.50	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.40	1.11000	30.90	0.94	6.05	7.45	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.30	1.11000	30.90	0.95	5.87	7.39	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.20	1.11000	30.90	0.97	5.70	7.33	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.10	1.11000	30.90	0.98	5.53	7.27	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
8.00	1.11000	30.90	1.00	5.36	7.21	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
7.90	1.11000	30.90	1.01	5.20	7.14	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
7.80	1.11000	30.90	1.03	5.04	7.07	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
7.70	1.11000	30.90	1.04	4.87	6.99	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	3.97
7.60	1.11000	30.90	1.03	4.75	6.93	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.50	1.11000	30.90	1.02	4.66	6.88	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.40	1.11000	30.90	1.02	4.57	6.83	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.30	1.11000	30.90	1.01	4.49	6.79	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.20	1.11000	30.90	1.00	4.42	6.74	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.10	1.11000	30.90	0.99	4.35	6.70	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
7.00	1.12000	30.90	0.98	4.29	6.65	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.90	1.12000	30.90	0.98	4.23	6.61	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.80	1.12000	30.90	0.97	4.17	6.57	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.70	1.12000	30.90	0.96	4.12	6.53	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.60	1.12000	30.90	0.95	4.07	6.49	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.50	1.12000	30.90	0.94	4.03	6.45	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.40	1.12000	30.90	0.94	3.99	6.41	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.30	1.12000	30.90	0.93	3.95	6.37	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.20	1.12000	30.90	0.92	3.92	6.34	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.10	1.12000	30.90	0.91	3.89	6.31	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
6.00	1.12000	30.90	0.90	3.87	6.28	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.90	1.12000	30.90	0.89	3.85	6.25	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.80	1.12000	30.90	0.89	3.83	6.22	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.70	1.12000	30.90	0.88	3.82	6.20	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.60	1.12000	30.90	0.87	3.82	6.18	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.50	1.12000	30.90	0.86	3.81	6.16	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.40	1.12000	30.90	0.85	3.82	6.14	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.30	1.12000	30.90	0.85	3.82	6.13	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.20	1.12000	30.90	0.84	3.84	6.12	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.10	1.12000	30.90	0.83	3.86	6.12	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	3.97
5.00	1.12000	30.90	0.83	3.89	6.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.90	1.12000	30.90	0.83	3.91	6.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.80	1.12000	30.90	0.83	3.93	6.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.70	1.12000	30.90	0.83	3.95	6.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70

4.60	1.12000	30.90	0.83	3.97	6.13	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.50	1.12000	30.90	0.83	3.99	6.13	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.40	1.12000	30.90	0.83	4.01	6.13	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.30	1.12000	30.90	0.83	4.03	6.13	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.20	1.12000	30.90	0.83	4.05	6.14	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.10	1.12000	30.90	0.83	4.06	6.14	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
4.00	1.12000	30.90	0.83	4.08	6.15	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.90	1.12000	30.90	0.83	4.10	6.15	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.80	1.12000	30.90	0.83	4.12	6.16	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.70	1.12000	30.90	0.83	4.14	6.17	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.60	1.12000	30.90	0.83	4.16	6.18	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.50	1.12000	30.90	0.83	4.18	6.19	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.40	1.12000	30.90	0.83	4.20	6.20	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.30	1.12000	30.90	0.83	4.22	6.21	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.20	1.12000	30.90	0.83	4.24	6.22	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.10	1.12000	30.90	0.83	4.26	6.23	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
3.00	1.12000	30.90	0.83	4.29	6.25	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.90	1.12000	30.90	0.83	4.31	6.27	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.80	1.12000	30.90	0.83	4.34	6.28	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.70	1.12000	30.90	0.83	4.38	6.30	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.60	1.12000	30.90	0.83	4.41	6.33	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.50	1.12000	30.90	0.83	4.45	6.35	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.40	1.12000	30.90	0.83	4.49	6.38	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.30	1.12000	30.90	0.83	4.54	6.40	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.20	1.48000	30.90	0.83	4.59	6.44	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.10	1.48000	30.90	0.83	4.60	6.43	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
2.00	1.48000	30.90	0.83	4.61	6.42	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.90	1.48000	30.90	0.83	4.63	6.42	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.80	1.48000	30.90	0.83	4.65	6.41	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.70	1.48000	30.90	0.83	4.67	6.40	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.60	1.48000	30.90	0.83	4.70	6.40	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.50	1.48000	30.90	0.83	4.74	6.39	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	2.70
1.40	1.48000	30.90	0.90	4.78	6.38	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
1.30	1.48000	30.90	0.96	4.82	6.37	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
1.20	1.48000	30.90	1.03	4.88	6.36	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
1.10	1.48000	30.90	1.10	4.94	6.35	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
1.00	1.48000	30.90	1.16	5.01	6.33	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.90	1.48000	30.90	1.23	5.09	6.32	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.80	1.48000	30.90	1.30	5.18	6.30	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.70	1.48000	30.90	1.36	5.28	6.28	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.60	1.48000	30.90	1.43	5.40	6.26	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.50	1.48000	30.90	1.50	5.53	6.23	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.40	1.48000	30.90	1.56	5.68	6.20	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.30	1.48000	30.90	1.63	5.86	6.17	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.20	1.48000	30.90	1.70	6.06	6.13	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.10	1.48000	30.90	1.76	6.29	6.09	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40
0.00	1.48000	30.90	1.83	6.55	6.05	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	2.40

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
1	HDWTR	0.00000	0.00	0.00	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	WSTLD	0.90000	30.90	0.37	84.40	718.00	6.70	3.01	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.99
7	WSTLD	-0.26000	30.90	0.36	91.33	697.79	5.51	3.12	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	19.40	19.30	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
2	19.30	19.20	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
3	19.20	19.10	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
4	19.10	19.00	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
5	19.00	18.90	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
6	18.90	18.80	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
7	18.80	18.70	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
8	18.70	18.60	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
9	18.60	18.50	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
10	18.50	18.40	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
11	18.40	18.30	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
12	18.30	18.20	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
13	18.20	18.10	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
14	18.10	18.00	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
TOT						2.70			170402.39	135240.00					
AVG					0.00600		1.26	96.60			121.72				
CUM						2.70									

********** 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	19.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
2	19.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
3	19.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
4	19.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
5	18.900	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
6	18.800	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
7	18.700	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
8	18.600	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
9	18.500	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
10	18.400	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00

11	18.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
12	18.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
13	18.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
14	18.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
AVG 20 DEG C RATE			0.74	0.07	0.00	0.00	0.00	0.00	0.00	0.20			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
1	19.300	30.90	0.36	88.48	706.11	5.81	3.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.68
2	19.200	30.90	0.36	88.86	705.01	5.74	3.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.49
3	19.100	30.90	0.36	89.27	703.81	5.69	3.01	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.31
4	19.000	30.90	0.36	89.72	702.50	5.64	3.03	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.15
5	18.900	30.90	0.36	90.21	701.06	5.59	3.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.99
6	18.800	30.90	0.36	90.75	699.50	5.55	3.08	0.00	3.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.83
7	18.700	30.90	0.36	91.33	697.79	5.51	3.12	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.69
8	18.600	30.90	0.36	91.97	695.92	5.47	3.16	0.00	3.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.55
9	18.500	30.90	0.36	92.66	693.93	5.43	3.21	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.42
10	18.400	30.90	0.36	93.38	691.80	5.40	3.28	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.31
11	18.300	30.90	0.36	94.16	689.54	5.36	3.35	0.00	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.20
12	18.200	30.90	0.36	94.99	687.13	5.32	3.43	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.10
13	18.100	30.90	0.36	95.87	684.56	5.27	3.52	0.00	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.01
14	18.000	30.90	0.36	96.81	681.83	5.22	3.63	0.00	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.93

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 2 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
15	UPR RCH	0.64000	30.90	0.36	96.81	681.83	5.22	3.63	0.00	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93
16	WSTLD	0.55000	30.90	0.31	115.00	609.00	6.70	6.84	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16

********** 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
15	18.00	17.90	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
16	17.90	17.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
17	17.80	17.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
18	17.70	17.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
19	17.60	17.50	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
20	17.50	17.40	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010

21	17.40	17.30	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
22	17.30	17.20	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
23	17.20	17.10	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
24	17.10	17.00	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
TOT						1.29			121716.01	96600.00					
AVG					0.00900		1.26	96.60			121.72				
CUM						3.99									

********** 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
15	17.900	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
16	17.800	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
17	17.700	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
18	17.600	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
19	17.500	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
20	17.400	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
21	17.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
22	17.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
23	17.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
24	17.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.52	0.00
AVG 20 DEG C RATE			0.74	0.07	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
15	17.900	30.90	0.36	97.81	678.91	5.16	3.75	0.00	3.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.86
16	17.800	30.90	0.36	98.87	675.80	5.12	3.88	0.00	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.80
17	17.700	30.90	0.36	99.10	676.26	5.02	3.86	0.00	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.73
18	17.600	30.90	0.36	99.35	676.77	4.93	3.85	0.00	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.66
19	17.500	30.90	0.36	99.63	677.35	4.84	3.84	0.00	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.60
20	17.400	30.90	0.36	99.95	678.00	4.77	3.83	0.00	3.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.54
21	17.300	30.90	0.36	100.31	678.73	4.70	3.83	0.00	3.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.49
22	17.200	30.90	0.36	100.71	679.55	4.64	3.84	0.00	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.44
23	17.100	30.90	0.36	101.16	680.46	4.58	3.85	0.00	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.39
24	17.000	30.90	0.36	101.67	681.49	4.54	3.87	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
25	UPR RCH	1.19000	30.90	0.36	101.67	681.49	4.54	3.87	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36
29	WSTLD	-0.30000	30.90	0.36	105.28	688.86	4.41	4.09	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
38	WSTLD	0.60000	30.90	0.41	154.00	788.00	6.70	7.71	0.00	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29

********** 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
25	17.00	16.90	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
26	16.90	16.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
27	16.80	16.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
28	16.70	16.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
29	16.60	16.50	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
30	16.50	16.40	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
31	16.40	16.30	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
32	16.30	16.20	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
33	16.20	16.10	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
34	16.10	16.00	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
35	16.00	15.90	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
36	15.90	15.80	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
37	15.80	15.70	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
38	15.70	15.60	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
39	15.60	15.50	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
40	15.50	15.40	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
41	15.40	15.30	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
42	15.30	15.20	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
43	15.20	15.10	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
TOT						2.47			231260.36	183540.00					
AVG					0.00892		1.26	96.60			121.72				
CUM						6.45									

********** 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
25	16.900	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
26	16.800	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
27	16.700	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
28	16.600	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
29	16.500	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00

30	16.400	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
31	16.300	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
32	16.200	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
33	16.100	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
34	16.000	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
35	15.900	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
36	15.800	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
37	15.700	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
38	15.600	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
39	15.500	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
40	15.400	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
41	15.300	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
42	15.200	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
43	15.100	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	3.22	3.22	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.27	0.00
AVG 20 DEG C RATE			0.74	0.06	0.00	0.00	0.00	0.00	0.00	1.62			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.13	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
25	16.900	30.90	0.36	102.23	682.65	4.50	3.90	0.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
26	16.800	30.90	0.36	102.87	683.94	4.47	3.94	0.00	3.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29
27	16.700	30.90	0.36	103.58	685.40	4.44	3.98	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
28	16.600	30.90	0.36	104.38	687.03	4.42	4.03	0.00	4.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.23
29	16.500	30.90	0.36	105.28	688.86	4.41	4.09	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
30	16.400	30.90	0.36	106.29	690.92	4.40	4.15	0.00	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
31	16.300	30.90	0.36	107.39	693.16	4.39	4.22	0.00	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.15
32	16.200	30.90	0.36	108.59	695.61	4.40	4.30	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.12
33	16.100	30.90	0.36	109.91	698.28	4.41	4.39	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
34	16.000	30.90	0.37	111.34	701.20	4.43	4.49	0.00	4.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
35	15.900	30.90	0.37	112.90	704.38	4.47	4.60	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
36	15.800	30.90	0.37	114.60	707.85	4.51	4.73	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
37	15.700	30.90	0.37	116.47	711.64	4.57	4.86	0.00	4.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
38	15.600	30.90	0.37	118.50	715.78	4.65	5.01	0.00	5.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
39	15.500	30.90	0.37	118.52	715.85	4.62	5.02	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
40	15.400	30.90	0.37	118.56	715.92	4.59	5.02	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
41	15.300	30.90	0.37	118.60	716.01	4.58	5.03	0.00	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
42	15.200	30.90	0.37	118.64	716.11	4.57	5.05	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
43	15.100	30.90	0.37	118.69	716.22	4.57	5.07	0.00	5.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
44	UPR RCH	1.49000	30.90	0.37	118.69	716.22	4.57	5.07	0.00	5.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95

********** 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
44	15.10	15.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
45	15.00	14.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
46	14.90	14.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
47	14.80	14.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
48	14.70	14.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
49	14.60	14.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
50	14.50	14.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
51	14.40	14.30	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
52	14.30	14.20	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
53	14.20	14.10	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
54	14.10	14.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
55	14.00	13.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
56	13.90	13.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
57	13.80	13.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
58	13.70	13.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
59	13.60	13.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
60	13.50	13.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
TOT						1.42			183110.42	190740.00					
AVG					0.01383		0.96	112.20			107.71				
CUM						7.87									

********** 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
44	15.000	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
45	14.900	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
46	14.800	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
47	14.700	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
48	14.600	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
49	14.500	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
50	14.400	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
51	14.300	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
52	14.200	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00

53	14.100	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
54	14.000	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
55	13.900	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
56	13.800	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
57	13.700	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
58	13.600	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
59	13.500	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
60	13.400	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	2.34	2.34	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.97	0.06	0.00	0.00	0.00	0.00	0.00	1.18			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
44	15.000	30.90	0.37	118.75	716.36	4.58	5.09	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
45	14.900	30.90	0.37	118.83	716.54	4.59	5.12	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
46	14.800	30.90	0.37	118.92	716.74	4.60	5.15	0.00	5.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90
47	14.700	30.90	0.37	119.02	716.98	4.61	5.17	0.00	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
48	14.600	30.90	0.37	119.15	717.26	4.62	5.20	0.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
49	14.500	30.90	0.37	119.29	717.59	4.63	5.23	0.00	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
50	14.400	30.90	0.37	119.46	717.98	4.63	5.25	0.00	5.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
51	14.300	30.90	0.37	119.66	718.43	4.64	5.28	0.00	5.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
52	14.200	30.90	0.37	119.90	718.96	4.64	5.30	0.00	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
53	14.100	30.90	0.37	120.17	719.59	4.64	5.32	0.00	5.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
54	14.000	30.90	0.37	120.49	720.32	4.65	5.35	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
55	13.900	30.90	0.37	120.87	721.18	4.65	5.37	0.00	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
56	13.800	30.90	0.37	121.31	722.19	4.64	5.39	0.00	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
57	13.700	30.90	0.37	121.83	723.37	4.64	5.41	0.00	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.76
58	13.600	30.90	0.37	122.44	724.75	4.63	5.43	0.00	5.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
59	13.500	30.90	0.37	123.16	726.38	4.62	5.45	0.00	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.74
60	13.400	30.90	0.37	124.00	728.29	4.60	5.47	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.73

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 5 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
61	UPR RCH	1.49000	30.90	0.37	124.00	728.29	4.60	5.47	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73
69	WSTLD	0.28000	30.90	0.37	151.00	710.80	6.70	7.56	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44

********** 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
61	13.40	13.30	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
62	13.30	13.20	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
63	13.20	13.10	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
64	13.10	13.00	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
65	13.00	12.90	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
66	12.90	12.80	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
67	12.80	12.70	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
68	12.70	12.60	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
69	12.60	12.50	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
70	12.50	12.40	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
71	12.40	12.30	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
72	12.30	12.20	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
73	12.20	12.10	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
74	12.10	12.00	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
75	12.00	11.90	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
76	11.90	11.80	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
77	11.80	11.70	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
78	11.70	11.60	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
TOT						1.58			223488.00	230400.00					
AVG					0.01316		0.97	128.00			124.16				
CUM						9.46									

********** 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
61	13.300	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
62	13.200	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
63	13.100	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
64	13.000	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
65	12.900	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
66	12.800	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
67	12.700	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
68	12.600	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
69	12.500	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
70	12.400	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
71	12.300	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
72	12.200	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
73	12.100	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
74	12.000	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
75	11.900	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
76	11.800	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
77	11.700	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
78	11.600	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.96	0.06	0.00	0.00	0.00	0.00	0.00	1.51			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
61	13.300	30.90	0.38	124.91	730.36	4.58	5.48	0.00	5.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
62	13.200	30.90	0.39	125.90	732.61	4.56	5.50	0.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
63	13.100	30.90	0.39	127.04	735.20	4.55	5.52	0.00	5.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.71
64	13.000	30.90	0.40	128.35	738.18	4.54	5.54	0.00	5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.71
65	12.900	30.90	0.41	129.85	741.60	4.54	5.57	0.00	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.71
66	12.800	30.90	0.42	131.59	745.54	4.55	5.60	0.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
67	12.700	30.90	0.42	133.58	750.07	4.56	5.64	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
68	12.600	30.90	0.43	135.87	755.27	4.58	5.68	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.73
69	12.500	30.90	0.44	138.50	761.26	4.61	5.73	0.00	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
70	12.400	30.90	0.45	141.18	769.57	4.59	5.74	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
71	12.300	30.90	0.46	144.33	779.36	4.58	5.75	0.00	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
72	12.200	30.90	0.46	148.05	790.90	4.57	5.76	0.00	5.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
73	12.100	30.90	0.47	152.43	804.49	4.57	5.78	0.00	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.76
74	12.000	30.90	0.48	157.59	820.50	4.57	5.80	0.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
75	11.900	30.90	0.49	163.66	839.36	4.58	5.82	0.00	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
76	11.800	30.90	0.49	170.82	861.59	4.60	5.85	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
77	11.700	30.90	0.50	179.26	887.77	4.64	5.89	0.00	5.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
78	11.600	30.90	0.51	189.20	918.63	4.68	5.93	0.00	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 6 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
79	UPR RCH	1.77000	30.90	0.51	189.20	918.63	4.68	5.93	0.00	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86
79	WSTLD	0.35000	30.90	0.78	363.00	1475.00	6.70	7.16	0.00	7.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84
84	WSTLD	0.70000	30.90	0.78	363.00	1475.00	6.70	7.16	0.00	7.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84
88	WSTLD	0.40000	30.90	0.49	234.00	931.00	6.70	7.74	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
90	WSTLD	-8.65000	30.90	0.64	274.77	1171.27	5.50	6.85	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15

********** 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
79	11.60	11.50	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
80	11.50	11.40	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
81	11.40	11.30	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
82	11.30	11.20	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
83	11.20	11.10	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012

84	11.10	11.00	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
85	11.00	10.90	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
86	10.90	10.80	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
87	10.80	10.70	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
88	10.70	10.60	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
89	10.60	10.50	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
90	10.50	10.40	-5.43000	100.0	-0.02991	-0.04	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.030
TOT						0.89			217862.42	194520.02					
AVG					0.01569		1.12	162.10			181.55				
CUM						10.34									

********** 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
79	11.500	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
80	11.400	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
81	11.300	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
82	11.200	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
83	11.100	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
84	11.000	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
85	10.900	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
86	10.800	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
87	10.700	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
88	10.600	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
89	10.500	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
90	10.400	7.42	1.19	0.10	0.00	0.00	0.00	0.00	0.00	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.84	0.06	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
79	11.500	30.90	0.52	198.71	948.15	4.74	5.97	0.00	5.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90
80	11.400	30.90	0.53	203.92	963.91	4.75	5.99	0.00	5.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
81	11.300	30.90	0.54	209.89	981.98	4.78	6.03	0.00	6.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
82	11.200	30.90	0.55	216.73	1002.68	4.82	6.07	0.00	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
83	11.100	30.90	0.56	224.57	1026.40	4.89	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
84	11.000	30.90	0.57	233.56	1053.58	4.97	6.21	0.00	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
85	10.900	30.90	0.59	237.61	1064.42	5.00	6.27	0.00	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
86	10.800	30.90	0.60	242.46	1077.36	5.05	6.34	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
87	10.700	30.90	0.61	248.24	1092.82	5.13	6.44	0.00	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
88	10.600	30.90	0.62	255.15	1111.27	5.24	6.56	0.00	6.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.09
89	10.500	30.90	0.63	263.98	1138.28	5.34	6.69	0.00	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.11
90	10.400	30.90	0.64	274.77	1171.27	5.50	6.85	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.15

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
91	UPR RCH	-5.43000	30.90	0.64	274.77	1171.27	5.50	6.85	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15
108	WSTLD	6.54000	30.90	0.53	310.00	1279.00	6.70	7.62	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38

********** 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
91	10.40	10.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
92	10.30	10.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
93	10.20	10.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
94	10.10	10.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
95	10.00	9.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
96	9.90	9.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
97	9.80	9.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
98	9.70	9.60	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
99	9.60	9.50	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
100	9.50	9.40	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
101	9.40	9.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
102	9.30	9.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
103	9.20	9.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
104	9.10	9.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
105	9.00	8.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
106	8.90	8.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
107	8.80	8.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
108	8.70	8.60	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
109	8.60	8.50	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
110	8.50	8.40	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
111	8.40	8.30	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
112	8.30	8.20	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
113	8.20	8.10	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
114	8.10	8.00	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
115	8.00	7.90	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
116	7.90	7.80	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
117	7.80	7.70	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
TOT						0.39			153060.30	184410.02					
AVG					0.08102		0.83	68.30			56.69				
CUM						10.73									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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
91	10.300	7.42	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
92	10.200	7.42	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
93	10.100	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
94	10.000	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
95	9.900	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
96	9.800	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
97	9.700	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
98	9.600	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
99	9.500	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
100	9.400	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
101	9.300	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
102	9.200	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
103	9.100	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
104	9.000	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
105	8.900	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
106	8.800	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
107	8.700	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
108	8.600	7.41	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
109	8.500	7.41	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
110	8.400	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
111	8.300	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
112	8.200	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
113	8.100	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
114	8.000	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
115	7.900	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
116	7.800	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
117	7.700	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			1.96	0.06	0.00	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
91	10.300	30.90	0.65	286.88	1208.30	5.69	7.05	0.00	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
92	10.200	30.90	0.67	297.65	1241.25	5.86	7.22	0.00	7.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.25
93	10.100	30.90	0.68	303.41	1258.86	5.96	7.32	0.00	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
94	10.000	30.90	0.70	306.49	1268.28	6.02	7.37	0.00	7.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29
95	9.900	30.90	0.71	308.14	1273.31	6.06	7.41	0.00	7.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.30
96	9.800	30.90	0.73	309.02	1276.00	6.10	7.43	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
97	9.700	30.90	0.74	309.49	1277.44	6.12	7.45	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
98	9.600	30.90	0.76	309.74	1278.21	6.15	7.46	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
99	9.500	30.90	0.77	309.87	1278.62	6.17	7.47	0.00	7.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
100	9.400	30.90	0.79	309.95	1278.84	6.20	7.48	0.00	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
101	9.300	30.90	0.80	309.98	1278.96	6.23	7.49	0.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
102	9.200	30.90	0.82	310.01	1279.02	6.25	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33

103	9.100	30.90	0.83	310.02	1279.05	6.28	7.51	0.00	7.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
104	9.000	30.90	0.85	310.02	1279.07	6.31	7.52	0.00	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
105	8.900	30.90	0.86	310.03	1279.08	6.34	7.53	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
106	8.800	30.90	0.88	310.03	1279.09	6.37	7.54	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
107	8.700	30.90	0.89	310.03	1279.09	6.40	7.54	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
108	8.600	30.90	0.91	310.03	1279.09	6.44	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
109	8.500	30.90	0.92	310.06	1279.19	6.24	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
110	8.400	30.90	0.94	310.10	1279.30	6.05	7.45	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
111	8.300	30.90	0.95	310.14	1279.44	5.87	7.39	0.00	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29
112	8.200	30.90	0.97	310.19	1279.60	5.70	7.33	0.00	7.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
113	8.100	30.90	0.98	310.25	1279.78	5.53	7.27	0.00	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.25
114	8.000	30.90	1.00	310.32	1280.01	5.36	7.21	0.00	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22
115	7.900	30.90	1.01	310.40	1280.27	5.20	7.14	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
116	7.800	30.90	1.03	310.49	1280.57	5.04	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
117	7.700	30.90	1.04	310.61	1280.93	4.87	6.99	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.14

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 8 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
118	UPR RCH	1.11000	30.90	1.04	310.61	1280.93	4.87	6.99	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14
124	WSTLD	0.01000	30.90	0.53	310.00	1279.00	6.70	7.62	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38

********** 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
118	7.70	7.60	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
119	7.60	7.50	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
120	7.50	7.40	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
121	7.40	7.30	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
122	7.30	7.20	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
123	7.20	7.10	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
124	7.10	7.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
125	7.00	6.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
126	6.90	6.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
127	6.80	6.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
128	6.70	6.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
129	6.60	6.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
130	6.50	6.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
131	6.40	6.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
132	6.30	6.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
133	6.20	6.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
134	6.10	6.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
135	6.00	5.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
136	5.90	5.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
137	5.80	5.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014

138	5.70	5.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
139	5.60	5.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
140	5.50	5.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
141	5.40	5.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
142	5.30	5.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
143	5.20	5.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
TOT						2.13			205919.98	228800.00					
AVG					0.01411		0.90	88.00			79.20				
CUM						12.86									

********** 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
118	7.600	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
119	7.500	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
120	7.400	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
121	7.300	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
122	7.200	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
123	7.100	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
124	7.000	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
125	6.900	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
126	6.800	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
127	6.700	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
128	6.600	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
129	6.500	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
130	6.400	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
131	6.300	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
132	6.200	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
133	6.100	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
134	6.000	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
135	5.900	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
136	5.800	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
137	5.700	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
138	5.600	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
139	5.500	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
140	5.400	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
141	5.300	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
142	5.200	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
143	5.100	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	3.97	3.97	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			1.03	0.06	0.00	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
118	7.600	30.90	1.03	310.70	1281.24	4.75	6.93	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.12
119	7.500	30.90	1.02	310.79	1281.51	4.66	6.88	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
120	7.400	30.90	1.02	310.88	1281.80	4.57	6.83	0.00	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
121	7.300	30.90	1.01	310.98	1282.13	4.49	6.79	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
122	7.200	30.90	1.00	311.10	1282.49	4.42	6.74	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
123	7.100	30.90	0.99	311.22	1282.89	4.35	6.70	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
124	7.000	30.90	0.98	311.36	1283.32	4.29	6.65	0.00	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
125	6.900	30.90	0.98	311.51	1283.80	4.23	6.61	0.00	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
126	6.800	30.90	0.97	311.68	1284.33	4.17	6.57	0.00	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
127	6.700	30.90	0.96	311.86	1284.92	4.12	6.53	0.00	6.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
128	6.600	30.90	0.95	312.06	1285.56	4.07	6.49	0.00	6.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
129	6.500	30.90	0.94	312.28	1286.27	4.03	6.45	0.00	6.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93
130	6.400	30.90	0.94	312.53	1287.05	3.99	6.41	0.00	6.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
131	6.300	30.90	0.93	312.80	1287.91	3.95	6.37	0.00	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90
132	6.200	30.90	0.92	313.10	1288.85	3.92	6.34	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
133	6.100	30.90	0.91	313.42	1289.90	3.89	6.31	0.00	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
134	6.000	30.90	0.90	313.78	1291.04	3.87	6.28	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
135	5.900	30.90	0.89	314.18	1292.30	3.85	6.25	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
136	5.800	30.90	0.89	314.62	1293.69	3.83	6.22	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
137	5.700	30.90	0.88	315.10	1295.22	3.82	6.20	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
138	5.600	30.90	0.87	315.63	1296.91	3.82	6.18	0.00	6.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
139	5.500	30.90	0.86	316.21	1298.76	3.81	6.16	0.00	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
140	5.400	30.90	0.85	316.85	1300.80	3.82	6.14	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
141	5.300	30.90	0.85	317.56	1303.05	3.82	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
142	5.200	30.90	0.84	318.34	1305.53	3.84	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.74
143	5.100	30.90	0.83	319.19	1308.25	3.86	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 9 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
144	UPR RCH	1.12000	30.90	0.83	319.19	1308.25	3.86	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72
172	WSTLD	0.36000	30.90	0.64	304.00	1210.00	6.70	8.14	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86

********** 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
144	5.10	5.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
145	5.00	4.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
146	4.90	4.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
147	4.80	4.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013

148	4.70	4.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
149	4.60	4.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
150	4.50	4.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
151	4.40	4.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
152	4.30	4.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
153	4.20	4.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
154	4.10	4.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
155	4.00	3.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
156	3.90	3.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
157	3.80	3.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
158	3.70	3.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
159	3.60	3.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
160	3.50	3.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
161	3.40	3.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
162	3.30	3.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
163	3.20	3.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
164	3.10	3.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
165	3.00	2.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
166	2.90	2.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
167	2.80	2.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
168	2.70	2.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
169	2.60	2.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
170	2.50	2.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
171	2.40	2.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
172	2.30	2.20	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
173	2.20	2.10	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
174	2.10	2.00	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
175	2.00	1.90	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
176	1.90	1.80	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
177	1.80	1.70	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
178	1.70	1.60	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
179	1.60	1.50	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
TOT						3.14			320932.81	281519.97					
AVG					0.01328		1.14	78.20			89.15				
CUM						16.00									

********** 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
144	5.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
145	4.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
146	4.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
147	4.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
148	4.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
149	4.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
150	4.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
151	4.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
152	4.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
153	4.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
154	4.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
155	3.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00

156	3.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
157	3.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
158	3.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
159	3.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
160	3.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
161	3.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
162	3.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
163	3.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
164	3.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
165	2.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
166	2.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
167	2.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
168	2.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
169	2.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
170	2.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
171	2.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
172	2.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
173	2.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
174	2.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
175	1.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
176	1.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
177	1.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
178	1.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
179	1.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.82	0.06	0.00	0.00	0.00	0.00	0.00	1.36			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
144	5.000	30.90	0.83	319.99	1310.79	3.89	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.71
145	4.900	30.90	0.83	320.74	1313.17	3.91	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
146	4.800	30.90	0.83	321.54	1315.73	3.93	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.69
147	4.700	30.90	0.83	322.41	1318.48	3.95	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.68
148	4.600	30.90	0.83	323.34	1321.43	3.97	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.67
149	4.500	30.90	0.83	324.33	1324.60	3.99	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.66
150	4.400	30.90	0.83	325.40	1328.00	4.01	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.65
151	4.300	30.90	0.83	326.55	1331.66	4.03	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.64
152	4.200	30.90	0.83	327.78	1335.58	4.05	6.14	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.64
153	4.100	30.90	0.83	329.11	1339.80	4.06	6.14	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
154	4.000	30.90	0.83	330.53	1344.33	4.08	6.15	0.00	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.62
155	3.900	30.90	0.83	332.06	1349.19	4.10	6.15	0.00	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61
156	3.800	30.90	0.83	333.70	1354.41	4.12	6.16	0.00	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61
157	3.700	30.90	0.83	335.46	1360.02	4.14	6.17	0.00	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
158	3.600	30.90	0.83	337.35	1366.04	4.16	6.18	0.00	6.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
159	3.500	30.90	0.83	339.39	1372.50	4.18	6.19	0.00	6.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
160	3.400	30.90	0.83	341.57	1379.45	4.20	6.20	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
161	3.300	30.90	0.83	343.91	1386.90	4.22	6.21	0.00	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
162	3.200	30.90	0.83	346.43	1394.91	4.24	6.22	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
163	3.100	30.90	0.83	349.13	1403.51	4.26	6.23	0.00	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
164	3.000	30.90	0.83	352.03	1412.74	4.29	6.25	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57

165	2.900	30.90	0.83	355.15	1422.66	4.31	6.27	0.00	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
166	2.800	30.90	0.83	358.50	1433.31	4.34	6.28	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
167	2.700	30.90	0.83	362.09	1444.75	4.38	6.30	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
168	2.600	30.90	0.83	365.95	1457.03	4.41	6.33	0.00	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
169	2.500	30.90	0.83	370.10	1470.22	4.45	6.35	0.00	6.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
170	2.400	30.90	0.83	374.55	1484.39	4.49	6.38	0.00	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
171	2.300	30.90	0.83	379.33	1499.60	4.54	6.40	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
172	2.200	30.90	0.83	384.46	1515.94	4.59	6.44	0.00	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
173	2.100	30.90	0.83	391.89	1540.75	4.60	6.43	0.00	6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
174	2.000	30.90	0.83	400.04	1567.99	4.61	6.42	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
175	1.900	30.90	0.83	408.98	1597.88	4.63	6.42	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
176	1.800	30.90	0.83	418.80	1630.69	4.65	6.41	0.00	6.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
177	1.700	30.90	0.83	429.58	1666.71	4.67	6.40	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
178	1.600	30.90	0.83	441.41	1706.25	4.70	6.40	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
179	1.500	30.90	0.83	454.40	1749.64	4.74	6.39	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 10 Bayou Segnette Summer projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
180	UPR RCH	1.48000	30.90	0.83	454.40	1749.64	4.74	6.39	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	1.50	1.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
181	1.40	1.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
182	1.30	1.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
183	1.20	1.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
184	1.10	1.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
185	1.00	0.90	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
186	0.90	0.80	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
187	0.80	0.70	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
188	0.70	0.60	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
189	0.60	0.50	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
190	0.50	0.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
191	0.40	0.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
192	0.30	0.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
193	0.20	0.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
194	0.10	0.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
TOT						0.88			112160.98	102900.00					
AVG					0.01979		1.09	68.60			74.77				
CUM						16.87									

********** 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
180	1.400	7.41	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
181	1.300	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
182	1.200	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
183	1.100	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
184	1.000	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
185	0.900	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
186	0.800	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
187	0.700	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
188	0.600	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
189	0.500	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
190	0.400	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
191	0.300	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
192	0.200	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
193	0.100	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
194	0.000	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	2.40	2.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.87	0.06	0.00	0.00	0.00	0.00	0.00	1.21			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
180	1.400	30.90	0.90	468.75	1797.59	4.78	6.38	0.00	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.62
181	1.300	30.90	0.96	484.62	1850.61	4.82	6.37	0.00	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
182	1.200	30.90	1.03	502.05	1908.88	4.88	6.36	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.65
183	1.100	30.90	1.10	521.21	1972.91	4.94	6.35	0.00	6.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.66
184	1.000	30.90	1.16	542.27	2043.28	5.01	6.33	0.00	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.68
185	0.900	30.90	1.23	565.41	2120.61	5.09	6.32	0.00	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
186	0.800	30.90	1.30	590.85	2205.59	5.18	6.30	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
187	0.700	30.90	1.36	618.79	2298.99	5.28	6.28	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
188	0.600	30.90	1.43	649.51	2401.63	5.40	6.26	0.00	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
189	0.500	30.90	1.50	683.26	2514.42	5.53	6.23	0.00	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
190	0.400	30.90	1.56	720.36	2638.38	5.68	6.20	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
191	0.300	30.90	1.63	761.13	2774.61	5.86	6.17	0.00	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90
192	0.200	30.90	1.70	805.93	2924.32	6.06	6.13	0.00	6.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
193	0.100	30.90	1.76	855.16	3088.84	6.29	6.09	0.00	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
194	0.000	30.90	1.83	909.27	3269.65	6.55	6.05	0.00	6.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06

STREAM SUMMARY
Bayou Segnette

LA-QUAL simulation of Bayou Segnette (020701)
Summer projection, no man made load (natural) model

TRAVEL TIME = 16.87 DAYS

MAXIMUM EFFLUENT = 100.00 PERCENT

FLOW	=	-5.43000	TO	3.22000	m^3/s
DISPERSION	=	8.0000	TO	20.0000	m^2/s
VELOCITY	=	-0.09579	TO	0.01979	m/s
DEPTH	=	0.83	TO	1.26	m
WIDTH	=	68.30	TO	162.10	m
BOD DECAY	=	0.10	TO	0.12	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.40	TO	3.97	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.90	TO	2.99	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	30.90	TO	30.90	deg C
DISSOLVED OXYGEN	=	3.81	TO	6.55	mg/L

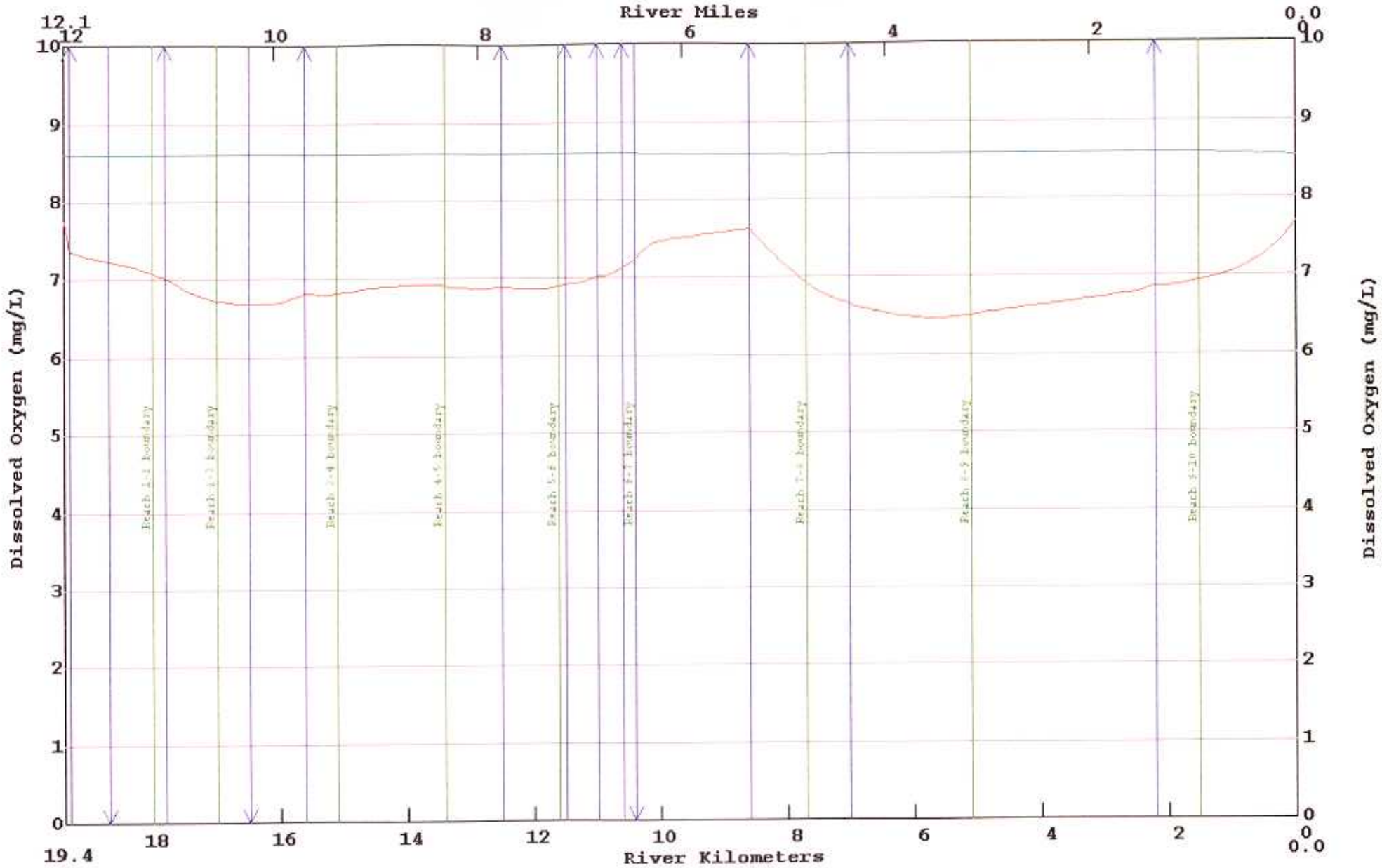
LA-QUAL simulation of Bayou Segnette (020701)
Summer projection, no man made load (natural) model

INPUT/OUTPUT LOADING SUMMARY

	FLOW m^3/s	DO kg/d	BOD#1 kg/d	BOD#2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	PHOS kg/d	CHL A	NCM
HEADWATER INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	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	10.690	6188.2	6624.2	0.0	0.0	0.0	0.0	0.0	0.0	1688.3
WITHDRAWLS	-9.210	-4346.9	-5297.2	0.0	0.0	0.0	0.0	0.0	0.0	-954.7
OUTFLOW THRU LOWER BNDRY	-1.480	-837.4	-773.0	0.0	0.0	0.0	0.0	0.0	0.0	-136.2
DISPERSION THRU LOWER BNDRY		389.9	-65.6	0.0	0.0	0.0	0.0	0.0	0.0	90.4
NON-POINT INPUT		0.0	601.0	0.0	0.0					0.0
NATURAL REAERATION		5683.4								
DAM REAERATION		0.0								
BACKGROUND SOD		-5299.9								
BOD#1 DECAY		-1089.4	-1089.4							
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			0.0	0.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		0.0				0.0	0.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		0.0				0.0	0.0	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		-687.9								-687.9
NCM SETTLING		0.0								0.0
TOTAL INPUTS	10.690	12261.6	7225.2	0.0	0.0	0.0	0.0	0.0	0.0	1778.8
TOTAL OUTPUTS	-10.690	-12261.6	-7225.2	0.0	0.0	0.0	0.0	0.0	0.0	-1778.8
NET CONVERGENCE ERROR	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

.....EXECUTION COMPLETED

LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\proj\winter\nat\seg_win-nat.txt
Winter Projection, no man made load (natural) model min= 6.46 max= 7.75
LA-QUAL simulation of Bayou Segnette (020701)



```
LA-QUAL Version 6.02
Louisiana Department of Environmental Quality

Input file is R:\projects\3110-051\la-qual\segnette\no pts source\proj\winter\nat\seg_win-nat.txt
Output produced at 16:09 on 03/30/2004

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL simulation of Bayou Segnette (020701)
TITLE02         Winter Projection, no man made load (natural) model
CNTROL03   NO   SEQU                        <Warning: legacy control - line ignored>
CNTROL04  YES   METR
CNTROL05  YES   OXYG                        <Warning: legacy control - line ignored>
ENDATA01

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

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMP
MODOPT02   NO   SALI
MODOPT03  YES   CONSERVATIVE MATERIAL  I = Chloride                  IN mg/L      CL
MODOPT04  YES   CONSERVATIVE MATERIAL II = Conductivity              IN umhos     COND
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07   NO   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12  YES   NONCONSERVATIVE MATERIAL = Nitrogenous BOD             IN mg/L     NBOD
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         NCM OXYGEN UPTAKE RATE             =         1.00000 mg O/mg NCM
PROGRAM         KL MINIMUM                         =         1.17000 meters/day
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	BS	Bayou Segnette	19.40	TO	18.00	0.1000	1.40	14	1	14
REACH ID	2	BS	Bayou Segnette	18.00	TO	17.00	0.1000	1.00	10	15	24
REACH ID	3	BS	Bayou Segnette	17.00	TO	15.10	0.1000	1.90	19	25	43
REACH ID	4	BS	Bayou Segnette	15.10	TO	13.40	0.1000	1.70	17	44	60
REACH ID	5	BS	Bayou Segnette	13.40	TO	11.60	0.1000	1.80	18	61	78
REACH ID	6	BS	Bayou Segnette	11.60	TO	10.40	0.1000	1.20	12	79	90
REACH ID	7	BS	Bayou Segnette	10.40	TO	7.70	0.1000	2.70	27	91	117
REACH ID	8	BS	Bayou Segnette	7.70	TO	5.10	0.1000	2.60	26	118	143
REACH ID	9	BS	Bayou Segnette	5.10	TO	1.50	0.1000	3.60	36	144	179
REACH ID	10	BS	Bayou Segnette	1.50	TO	0.00	0.1000	1.50	15	180	194

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	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	2	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	3	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	4	BS	0.000	0.000	112.200	0.000	0.000	0.960	0.00000	0.000
HYDR-1	5	BS	0.000	0.000	128.000	0.000	0.000	0.970	0.00000	0.000
HYDR-1	6	BS	0.000	0.000	162.100	0.000	0.000	1.120	0.00000	0.000
HYDR-1	7	BS	0.000	0.000	68.300	0.000	0.000	0.830	0.00000	0.000
HYDR-1	8	BS	0.000	0.000	88.000	0.000	0.000	0.900	0.00000	0.000
HYDR-1	9	BS	0.000	0.000	78.200	0.000	0.000	1.140	0.00000	0.000
HYDR-1	10	BS	0.000	0.000	68.600	0.000	0.000	1.090	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"
HYDR	1	BS	0.00	8.000	0.000	0.000	0.000
HYDR	2	BS	0.00	8.000	0.000	0.000	0.000
HYDR	3	BS	0.00	8.000	0.000	0.000	0.000
HYDR	4	BS	0.00	8.000	0.000	0.000	0.000
HYDR	5	BS	0.00	8.000	0.000	0.000	0.000
HYDR	6	BS	0.00	8.000	0.000	0.000	0.000
HYDR	7	BS	0.00	11.000	0.000	0.000	0.000
HYDR	8	BS	0.00	14.000	0.000	0.000	0.000
HYDR	9	BS	0.00	17.000	0.000	0.000	0.000
HYDR	10	BS	0.00	20.000	0.000	0.000	0.000

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	BS	22.70	0.36	2.60	0.00	0.00	0.00	0.00	0.00
INITIAL	2	BS	22.70	0.36	2.82	0.00	0.00	0.00	0.00	0.00
INITIAL	3	BS	22.70	0.36	3.05	0.00	0.00	0.00	0.00	0.00
INITIAL	4	BS	22.70	0.37	3.68	0.00	0.00	0.00	0.00	0.00
INITIAL	5	BS	22.70	0.37	4.30	0.00	0.00	0.00	0.00	0.00
INITIAL	6	BS	22.70	0.51	4.80	0.00	0.00	0.00	0.00	0.00
INITIAL	7	BS	22.70	0.64	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	8	BS	22.70	1.04	5.07	0.00	0.00	0.00	0.00	0.00
INITIAL	9	BS	22.70	0.83	3.34	0.00	0.00	0.00	0.00	0.00
INITIAL	10	BS	22.70	0.83	3.34	0.00	0.00	0.00	0.00	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 BOD DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	BS	15 LOUISIANA	0.000	0.000	0.000	0.200	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	BS	15 LOUISIANA	0.000	0.000	0.000	1.620	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	BS	15 LOUISIANA	0.000	0.000	0.000	1.180	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	BS	15 LOUISIANA	0.000	0.000	0.000	1.510	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	BS	15 LOUISIANA	0.000	0.000	0.000	2.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	BS	15 LOUISIANA	0.000	0.000	0.000	2.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	BS	15 LOUISIANA	0.000	0.000	0.000	1.360	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	BS	15 LOUISIANA	0.000	0.000	0.000	1.210	0.060	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 DECA	ORG-N SETT	ORGN CONV TO NH3 SRCE	NH3 DECA	NH3 SRCE	PHOS SRCE	DENIT RATE

ENDATA13

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

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

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF	NCM DECAY	NCM SETT	NCM CONV TO SOD
COEF-4	1	BS	0.000	0.250	0.000	0.000
COEF-4	2	BS	0.000	0.250	0.000	0.000
COEF-4	3	BS	0.000	0.130	0.000	0.000
COEF-4	4	BS	0.000	0.110	0.000	0.000
COEF-4	5	BS	0.000	0.110	0.000	0.000
COEF-4	6	BS	0.000	0.110	0.000	0.000
COEF-4	7	BS	0.000	0.110	0.000	0.000
COEF-4	8	BS	0.000	0.110	0.000	0.000
COEF-4	9	BS	0.000	0.110	0.000	0.000
COEF-4	10	BS	0.000	0.110	0.000	0.000

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	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	BS	69.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	BS	157.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	BS	113.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	BS	181.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	BS	81.00	0.00	0.00	0.00	0.00	0.00

ENDATA19

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

CARD TYPE	ELEMENT	NAME	UNIT	FLOW m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
HDWTR-1	1	Bayou Segnette	0	0.00000	0.000	0.00	0.00	0.000	0.000

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 Segnette	7.75	0.00	0.00	0.00	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
HDWTR-3	1	Bayou Segnette	0.00	0.00	0.00	0.00

ENDATA22

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

CARD TYPE	JUNCTION ELEMENT	UPSTRM ELEMENT	RIVER KILOM	NAME

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m³/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
WSTLD-1	1	19.40	Westwego 2 Pump St	0.90000	31.77966	20.543	25.30	10.37	84.400	718.000
WSTLD-1	7	18.80	Outer Cat Canal N	-0.26000	-9.18079	-5.935	0.00	0.00	0.000	0.000
WSTLD-1	16	17.90	Outer Cat Canal S	0.55000	19.42090	12.554	27.30	0.31	115.000	609.000
WSTLD-1	29	16.60	UCA North connection	-0.30000	-10.59322	-6.848	0.00	0.00	0.000	0.000
WSTLD-1	38	15.70	UCA South connection	0.60000	21.18644	13.695	26.50	0.41	154.000	788.000
WSTLD-1	69	12.60	Storage area	0.28000	9.88701	6.391	26.90	0.37	151.000	710.800
WSTLD-1	79	11.60	Millaudon Canal N	0.35000	12.35876	7.989	26.80	0.78	363.000	1475.000
WSTLD-1	84	11.10	Millaudon Canal S	0.70000	24.71751	15.978	26.80	0.78	363.000	1475.000
WSTLD-1	88	10.70	Tarpaper Canal	0.40000	14.12429	9.130	27.00	0.49	234.000	931.000
WSTLD-1	90	10.50	Bayou Bardeaux North	-8.65000	-305.43784	-197.439	0.00	0.00	0.000	0.000
WSTLD-1	108	8.70	Bayou Bardeaux South	6.54000	230.93221	149.277	27.40	0.53	310.000	1279.000
WSTLD-1	124	7.10	Drill hole to Lk Sal	0.01000	0.35311	0.228	27.40	0.53	310.000	1279.000
WSTLD-1	172	2.30	Pipeline Canal	0.36000	12.71187	8.217	25.90	0.64	304.000	1210.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD#2 mg/L
WSTLD-1	1	Westwego 2 Pump St	7.75	3.01	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	7.75	6.84	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	7.75	7.71	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	69	Storage area	7.75	7.56	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	79	Millaudon Canal N	7.75	7.16	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	84	Millaudon Canal S	7.75	7.16	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	88	Tarpaper Canal	7.75	7.74	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	7.75	7.62	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	124	Drill hole to Lk Sal	7.75	7.62	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	172	Pipeline Canal	7.75	8.14	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
WSTLD-1	1	Westwego 2 Pump St	0.00	0.00	0.00	5.99
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	0.00	0.00	0.00	2.16
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	0.00	0.00	0.00	1.29
WSTLD-1	69	Storage area	0.00	0.00	0.00	1.44
WSTLD-1	79	Millaudon Canal N	0.00	0.00	0.00	1.84
WSTLD-1	84	Millaudon Canal S	0.00	0.00	0.00	1.84
WSTLD-1	88	Tarpaper Canal	0.00	0.00	0.00	1.26
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	0.00	0.00	0.00	1.38
WSTLD-1	124	Drill hole to Lk Sal	0.00	0.00	0.00	1.38
WSTLD-1	172	Pipeline Canal	0.00	0.00	0.00	0.86

ENDATA26

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

CARD TYPE	CONSTITUENT	CONCENTRATION		
LOWER BC	TEMPERATURE	=	22.700	deg C
LOWER BC	SALINITY	=	1.830	ppt
LOWER BC	CONSERVATIVE MATERIAL I (Cl)	=	939.000	mg/L
LOWER BC	CONSERVATIVE MATERIAL II (Cond)	=	3369.000	umhos
LOWER BC	DISSOLVED OXYGEN	=	7.750	mg/L
LOWER BC	BIOCHEMICAL OXYGEN DEMAND (CBODu)	=	6.020	mg/L
LOWER BC	CHLOROPHYLL A	=	0.000	µg/L
LOWER BC	NONCONSERVATIVE MATERIAL (NBODu)	=	1.100	mg/L

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

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

OVERLAY 1 SEG5r.OVL
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 1 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11

CONDENSED CAPSULE SUMMARY FOR Bayou Segnette

DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORGN mg/L	NH3 µg/L	CHLA 1/da	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	0.00000	0.00	0.00	7.75	0.00	0.00	0.00	0.00	0.00							
19.30	0.90000	22.70	0.36	7.37	3.14	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.20	0.90000	22.70	0.36	7.34	3.15	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.10	0.90000	22.70	0.36	7.31	3.17	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.00	0.90000	22.70	0.36	7.29	3.20	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.90	0.90000	22.70	0.36	7.27	3.23	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.80	0.90000	22.70	0.36	7.25	3.27	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.70	0.64000	22.70	0.36	7.23	3.32	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.60	0.64000	22.70	0.36	7.22	3.37	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.50	0.64000	22.70	0.36	7.20	3.43	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.40	0.64000	22.70	0.36	7.18	3.50	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.30	0.64000	22.70	0.36	7.16	3.58	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.20	0.64000	22.70	0.36	7.14	3.67	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.10	0.64000	22.70	0.36	7.11	3.77	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.00	0.64000	22.70	0.36	7.08	3.87	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
17.90	0.64000	22.70	0.36	7.04	3.99	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.80	1.19000	22.70	0.36	7.02	4.13	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.70	1.19000	22.70	0.36	6.96	4.12	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.60	1.19000	22.70	0.36	6.92	4.11	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.50	1.19000	22.70	0.36	6.87	4.11	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.40	1.19000	22.70	0.36	6.83	4.12	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.30	1.19000	22.70	0.36	6.80	4.13	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.20	1.19000	22.70	0.36	6.77	4.15	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.10	1.19000	22.70	0.36	6.75	4.17	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.00	1.19000	22.70	0.36	6.73	4.20	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
16.90	1.19000	22.70	0.36	6.72	4.24	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.80	1.19000	22.70	0.36	6.70	4.28	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.70	1.19000	22.70	0.36	6.69	4.33	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.60	1.19000	22.70	0.36	6.69	4.39	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.50	0.89000	22.70	0.36	6.68	4.45	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.40	0.89000	22.70	0.36	6.68	4.52	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.30	0.89000	22.70	0.36	6.68	4.59	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.20	0.89000	22.70	0.36	6.69	4.68	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.10	0.89000	22.70	0.36	6.70	4.77	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
16.00	0.89000	22.70	0.37	6.71	4.87	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.90	0.89000	22.70	0.37	6.73	4.97	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92

15.80	0.89000	22.70	0.37	6.75	5.09	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.70	0.89000	22.70	0.37	6.78	5.22	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.60	1.49000	22.70	0.37	6.82	5.37	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.50	1.49000	22.70	0.37	6.81	5.38	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.40	1.49000	22.70	0.37	6.80	5.40	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.30	1.49000	22.70	0.37	6.80	5.42	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.20	1.49000	22.70	0.37	6.80	5.44	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.10	1.49000	22.70	0.37	6.81	5.47	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	1.92
15.00	1.49000	22.70	0.37	6.82	5.51	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.90	1.49000	22.70	0.37	6.84	5.54	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.80	1.49000	22.70	0.37	6.85	5.58	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.70	1.49000	22.70	0.37	6.86	5.62	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.60	1.49000	22.70	0.37	6.87	5.66	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.50	1.49000	22.70	0.37	6.88	5.69	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.40	1.49000	22.70	0.37	6.89	5.73	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.30	1.49000	22.70	0.37	6.90	5.76	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.20	1.49000	22.70	0.37	6.91	5.80	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.10	1.49000	22.70	0.37	6.91	5.83	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
14.00	1.49000	22.70	0.37	6.92	5.86	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.90	1.49000	22.70	0.37	6.92	5.90	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.80	1.49000	22.70	0.37	6.92	5.93	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.70	1.49000	22.70	0.37	6.92	5.96	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.60	1.49000	22.70	0.37	6.92	5.98	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.50	1.49000	22.70	0.37	6.91	6.01	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.40	1.49000	22.70	0.37	6.90	6.04	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.40
13.30	1.49000	22.70	0.38	6.89	6.06	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
13.20	1.49000	22.70	0.39	6.88	6.08	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
13.10	1.49000	22.70	0.39	6.88	6.10	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
13.00	1.49000	22.70	0.40	6.87	6.12	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.90	1.49000	22.70	0.41	6.87	6.15	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.80	1.49000	22.70	0.42	6.87	6.18	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.70	1.49000	22.70	0.42	6.87	6.22	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.60	1.49000	22.70	0.43	6.88	6.25	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.50	1.77000	22.70	0.44	6.89	6.29	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.40	1.77000	22.70	0.45	6.88	6.31	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.30	1.77000	22.70	0.46	6.87	6.32	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.20	1.77000	22.70	0.46	6.87	6.33	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.10	1.77000	22.70	0.47	6.86	6.34	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
12.00	1.77000	22.70	0.48	6.86	6.36	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
11.90	1.77000	22.70	0.49	6.87	6.38	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
11.80	1.77000	22.70	0.49	6.87	6.40	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
11.70	1.77000	22.70	0.50	6.89	6.42	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
11.60	1.77000	22.70	0.51	6.90	6.44	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.79
11.50	2.12000	22.70	0.52	6.92	6.46	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.40	2.12000	22.70	0.53	6.93	6.48	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.30	2.12000	22.70	0.54	6.94	6.50	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.20	2.12000	22.70	0.55	6.96	6.52	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.10	2.12000	22.70	0.56	6.98	6.56	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.00	2.82000	22.70	0.57	7.02	6.61	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.90	2.82000	22.70	0.59	7.03	6.65	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.80	2.82000	22.70	0.60	7.05	6.71	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.70	2.82000	22.70	0.61	7.08	6.78	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.60	3.22000	22.70	0.62	7.13	6.87	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.50	3.22000	22.70	0.63	7.17	6.96	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.40	-5.43000	22.70	0.64	7.24	7.07	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.30	-5.43000	22.70	0.65	7.32	7.21	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37

10.20	-5.43000	22.70	0.67	7.40	7.34	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
10.10	-5.43000	22.70	0.68	7.44	7.41	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
10.00	-5.43000	22.70	0.70	7.47	7.45	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.90	-5.43000	22.70	0.71	7.49	7.47	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.80	-5.43000	22.70	0.73	7.50	7.49	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.70	-5.43000	22.70	0.74	7.51	7.50	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.60	-5.43000	22.70	0.76	7.52	7.51	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.50	-5.43000	22.70	0.77	7.53	7.52	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.40	-5.43000	22.70	0.79	7.54	7.52	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.30	-5.43000	22.70	0.80	7.55	7.53	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.20	-5.43000	22.70	0.82	7.56	7.54	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.10	-5.43000	22.70	0.83	7.57	7.54	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
9.00	-5.43000	22.70	0.85	7.58	7.55	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
8.90	-5.43000	22.70	0.86	7.59	7.56	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
8.80	-5.43000	22.70	0.88	7.60	7.56	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
8.70	-5.43000	22.70	0.89	7.62	7.57	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	2.37
8.60	1.11000	22.70	0.91	7.63	7.57	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.50	1.11000	22.70	0.92	7.54	7.54	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.40	1.11000	22.70	0.94	7.45	7.50	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.30	1.11000	22.70	0.95	7.37	7.46	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.20	1.11000	22.70	0.97	7.29	7.42	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.10	1.11000	22.70	0.98	7.21	7.38	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
8.00	1.11000	22.70	1.00	7.13	7.33	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
7.90	1.11000	22.70	1.01	7.06	7.29	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
7.80	1.11000	22.70	1.03	6.99	7.24	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
7.70	1.11000	22.70	1.04	6.91	7.18	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	2.37
7.60	1.11000	22.70	1.03	6.86	7.14	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.50	1.11000	22.70	1.02	6.82	7.11	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.40	1.11000	22.70	1.02	6.78	7.07	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.30	1.11000	22.70	1.01	6.74	7.04	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.20	1.11000	22.70	1.00	6.71	7.01	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.10	1.11000	22.70	0.99	6.68	6.98	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
7.00	1.12000	22.70	0.98	6.65	6.95	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.90	1.12000	22.70	0.98	6.63	6.92	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.80	1.12000	22.70	0.97	6.60	6.89	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.70	1.12000	22.70	0.96	6.58	6.86	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.60	1.12000	22.70	0.95	6.56	6.84	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.50	1.12000	22.70	0.94	6.54	6.81	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.40	1.12000	22.70	0.94	6.52	6.79	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.30	1.12000	22.70	0.93	6.51	6.77	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.20	1.12000	22.70	0.92	6.50	6.75	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.10	1.12000	22.70	0.91	6.49	6.73	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
6.00	1.12000	22.70	0.90	6.48	6.71	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.90	1.12000	22.70	0.89	6.47	6.69	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.80	1.12000	22.70	0.89	6.47	6.68	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.70	1.12000	22.70	0.88	6.46	6.67	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.60	1.12000	22.70	0.87	6.46	6.66	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.50	1.12000	22.70	0.86	6.46	6.66	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.40	1.12000	22.70	0.85	6.47	6.65	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.30	1.12000	22.70	0.85	6.47	6.66	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.20	1.12000	22.70	0.84	6.49	6.66	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.10	1.12000	22.70	0.83	6.50	6.67	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.37
5.00	1.12000	22.70	0.83	6.52	6.68	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.90	1.12000	22.70	0.83	6.53	6.69	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.80	1.12000	22.70	0.83	6.54	6.70	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.70	1.12000	22.70	0.83	6.56	6.71	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61

4.60	1.12000	22.70	0.83	6.57	6.73	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.50	1.12000	22.70	0.83	6.58	6.74	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.40	1.12000	22.70	0.83	6.59	6.75	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.30	1.12000	22.70	0.83	6.60	6.76	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.20	1.12000	22.70	0.83	6.61	6.77	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.10	1.12000	22.70	0.83	6.62	6.78	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
4.00	1.12000	22.70	0.83	6.63	6.79	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.90	1.12000	22.70	0.83	6.64	6.80	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.80	1.12000	22.70	0.83	6.65	6.82	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.70	1.12000	22.70	0.83	6.66	6.83	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.60	1.12000	22.70	0.83	6.67	6.84	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.50	1.12000	22.70	0.83	6.68	6.85	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.40	1.12000	22.70	0.83	6.69	6.86	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.30	1.12000	22.70	0.83	6.70	6.88	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.20	1.12000	22.70	0.83	6.71	6.89	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.10	1.12000	22.70	0.83	6.72	6.90	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
3.00	1.12000	22.70	0.83	6.73	6.92	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.90	1.12000	22.70	0.83	6.74	6.93	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.80	1.12000	22.70	0.83	6.76	6.95	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.70	1.12000	22.70	0.83	6.77	6.96	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.60	1.12000	22.70	0.83	6.79	6.98	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.50	1.12000	22.70	0.83	6.80	6.99	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.40	1.12000	22.70	0.83	6.82	7.01	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.30	1.12000	22.70	0.83	6.84	7.03	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.20	1.48000	22.70	0.83	6.86	7.05	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.10	1.48000	22.70	0.83	6.87	7.04	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
2.00	1.48000	22.70	0.83	6.87	7.03	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.90	1.48000	22.70	0.83	6.88	7.02	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.80	1.48000	22.70	0.83	6.89	7.01	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.70	1.48000	22.70	0.83	6.90	6.99	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.60	1.48000	22.70	0.83	6.91	6.98	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.50	1.48000	22.70	0.83	6.93	6.96	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	1.61
1.40	1.48000	22.70	0.90	6.95	6.94	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
1.30	1.48000	22.70	0.96	6.97	6.92	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
1.20	1.48000	22.70	1.03	6.99	6.89	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
1.10	1.48000	22.70	1.10	7.02	6.86	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
1.00	1.48000	22.70	1.16	7.05	6.83	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.90	1.48000	22.70	1.23	7.08	6.78	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.80	1.48000	22.70	1.30	7.12	6.74	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.70	1.48000	22.70	1.36	7.16	6.69	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.60	1.48000	22.70	1.43	7.21	6.63	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.50	1.48000	22.70	1.50	7.26	6.56	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.40	1.48000	22.70	1.56	7.33	6.48	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.30	1.48000	22.70	1.63	7.40	6.40	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.20	1.48000	22.70	1.70	7.48	6.31	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.10	1.48000	22.70	1.76	7.58	6.20	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43
0.00	1.48000	22.70	1.83	7.69	6.09	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	1.43

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
1	HDWTR	0.00000	0.00	0.00	0.00	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	WSTLD	0.90000	25.30	10.37	84.40	718.00	7.75	3.01	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.99
7	WSTLD	-0.26000	22.70	0.36	91.33	697.79	7.23	3.32	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	19.40	19.30	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
2	19.30	19.20	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
3	19.20	19.10	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
4	19.10	19.00	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
5	19.00	18.90	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
6	18.90	18.80	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
7	18.80	18.70	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
8	18.70	18.60	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
9	18.60	18.50	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
10	18.50	18.40	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
11	18.40	18.30	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
12	18.30	18.20	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
13	18.20	18.10	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
14	18.10	18.00	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
TOT						2.70			170402.39	135240.00					
AVG					0.00600		1.26	96.60			121.72				
CUM						2.70									

********** 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	19.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
2	19.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
3	19.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
4	19.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
5	18.900	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
6	18.800	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
7	18.700	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
8	18.600	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
9	18.500	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
10	18.400	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00

11	18.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
12	18.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
13	18.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
14	18.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
AVG 20 DEG C RATE			0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.20			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
1	19.300	22.70	0.36	88.48	706.11	7.37	3.14	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.20
2	19.200	22.70	0.36	88.86	705.01	7.34	3.15	0.00	3.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.06
3	19.100	22.70	0.36	89.27	703.81	7.31	3.17	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.91
4	19.000	22.70	0.36	89.72	702.50	7.29	3.20	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.78
5	18.900	22.70	0.36	90.21	701.06	7.27	3.23	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.64
6	18.800	22.70	0.36	90.75	699.50	7.25	3.27	0.00	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.51
7	18.700	22.70	0.36	91.33	697.79	7.23	3.32	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.38
8	18.600	22.70	0.36	91.97	695.92	7.22	3.37	0.00	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.25
9	18.500	22.70	0.36	92.66	693.93	7.20	3.43	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.13
10	18.400	22.70	0.36	93.38	691.80	7.18	3.50	0.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.02
11	18.300	22.70	0.36	94.16	689.54	7.16	3.58	0.00	3.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.91
12	18.200	22.70	0.36	94.99	687.13	7.14	3.67	0.00	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.80
13	18.100	22.70	0.36	95.87	684.56	7.11	3.77	0.00	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.70
14	18.000	22.70	0.36	96.81	681.83	7.08	3.87	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.61

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 2 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
15	UPR RCH	0.64000	22.70	0.36	96.81	681.83	7.08	3.87	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61
16	WSTLD	0.55000	27.30	0.31	115.00	609.00	7.75	6.84	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.16

********** 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
15	18.00	17.90	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
16	17.90	17.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
17	17.80	17.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
18	17.70	17.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
19	17.60	17.50	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
20	17.50	17.40	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010

21	17.40	17.30	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
22	17.30	17.20	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
23	17.20	17.10	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
24	17.10	17.00	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
TOT						1.29			121716.01	96600.00					
AVG					0.00900		1.26	96.60			121.72				
CUM						3.99									

********** 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
15	17.900	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
16	17.800	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
17	17.700	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
18	17.600	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
19	17.500	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
20	17.400	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
21	17.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
22	17.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
23	17.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
24	17.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.30	0.00
AVG 20 DEG C RATE			0.93	0.07	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

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

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
15	17.900	22.70	0.36	97.81	678.91	7.04	3.99	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.52
16	17.800	22.70	0.36	98.87	675.80	7.02	4.13	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.44
17	17.700	22.70	0.36	99.10	676.26	6.96	4.12	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.38
18	17.600	22.70	0.36	99.35	676.77	6.92	4.11	0.00	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.32
19	17.500	22.70	0.36	99.63	677.35	6.87	4.11	0.00	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.26
20	17.400	22.70	0.36	99.95	678.00	6.83	4.12	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.21
21	17.300	22.70	0.36	100.31	678.73	6.80	4.13	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.16
22	17.200	22.70	0.36	100.71	679.55	6.77	4.15	0.00	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.11
23	17.100	22.70	0.36	101.16	680.46	6.75	4.17	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.07
24	17.000	22.70	0.36	101.67	681.49	6.73	4.20	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.03

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
25	UPR RCH	1.19000	22.70	0.36	101.67	681.49	6.73	4.20	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03
29	WSTLD	-0.30000	22.70	0.36	105.28	688.86	6.68	4.45	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84
38	WSTLD	0.60000	26.50	0.41	154.00	788.00	7.75	7.71	0.00	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29

********** 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
25	17.00	16.90	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
26	16.90	16.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
27	16.80	16.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
28	16.70	16.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
29	16.60	16.50	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
30	16.50	16.40	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
31	16.40	16.30	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
32	16.30	16.20	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
33	16.20	16.10	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
34	16.10	16.00	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
35	16.00	15.90	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
36	15.90	15.80	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
37	15.80	15.70	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
38	15.70	15.60	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
39	15.60	15.50	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
40	15.50	15.40	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
41	15.40	15.30	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
42	15.30	15.20	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
43	15.20	15.10	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
TOT						2.47			231260.36	183540.00					
AVG					0.00892		1.26	96.60			121.72				
CUM						6.45									

********** 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
25	16.900	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
26	16.800	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
27	16.700	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
28	16.600	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
29	16.500	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00

30	16.400	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
31	16.300	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
32	16.200	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
33	16.100	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
34	16.000	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
35	15.900	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
36	15.800	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
37	15.700	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
38	15.600	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
39	15.500	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
40	15.400	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
41	15.300	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
42	15.200	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
43	15.100	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	1.92	1.92	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16	0.00
AVG 20 DEG C RATE			0.93	0.06	0.00	0.00	0.00	0.00	0.00	1.62			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.13	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
25	16.900	22.70	0.36	102.23	682.65	6.72	4.24	0.00	4.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.99
26	16.800	22.70	0.36	102.87	683.94	6.70	4.28	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.95
27	16.700	22.70	0.36	103.58	685.40	6.69	4.33	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.92
28	16.600	22.70	0.36	104.38	687.03	6.69	4.39	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.88
29	16.500	22.70	0.36	105.28	688.86	6.68	4.45	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.84
30	16.400	22.70	0.36	106.29	690.92	6.68	4.52	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.81
31	16.300	22.70	0.36	107.39	693.16	6.68	4.59	0.00	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.77
32	16.200	22.70	0.36	108.59	695.61	6.69	4.68	0.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.73
33	16.100	22.70	0.36	109.91	698.28	6.70	4.77	0.00	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.70
34	16.000	22.70	0.37	111.34	701.20	6.71	4.87	0.00	4.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.66
35	15.900	22.70	0.37	112.90	704.38	6.73	4.97	0.00	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.63
36	15.800	22.70	0.37	114.60	707.85	6.75	5.09	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.59
37	15.700	22.70	0.37	116.47	711.64	6.78	5.22	0.00	5.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
38	15.600	22.70	0.37	118.50	715.78	6.82	5.37	0.00	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.53
39	15.500	22.70	0.37	118.52	715.85	6.81	5.38	0.00	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.51
40	15.400	22.70	0.37	118.56	715.92	6.80	5.40	0.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.49
41	15.300	22.70	0.37	118.60	716.01	6.80	5.42	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.48
42	15.200	22.70	0.37	118.64	716.11	6.80	5.44	0.00	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.46
43	15.100	22.70	0.37	118.69	716.22	6.81	5.47	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.45

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
44	UPR RCH	1.49000	22.70	0.37	118.69	716.22	6.81	5.47	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45

********** 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
44	15.10	15.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
45	15.00	14.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
46	14.90	14.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
47	14.80	14.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
48	14.70	14.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
49	14.60	14.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
50	14.50	14.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
51	14.40	14.30	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
52	14.30	14.20	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
53	14.20	14.10	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
54	14.10	14.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
55	14.00	13.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
56	13.90	13.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
57	13.80	13.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
58	13.70	13.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
59	13.60	13.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
60	13.50	13.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
TOT						1.42			183110.42	190740.00					
AVG					0.01383		0.96	112.20			107.71				
CUM						7.87									

********** 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
44	15.000	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
45	14.900	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
46	14.800	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
47	14.700	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
48	14.600	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
49	14.500	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
50	14.400	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
51	14.300	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
52	14.200	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00

53	14.100	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
54	14.000	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
55	13.900	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
56	13.800	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
57	13.700	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
58	13.600	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
59	13.500	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
60	13.400	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.22	0.06	0.00	0.00	0.00	0.00	0.00	1.18			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
44	15.000	22.70	0.37	118.75	716.36	6.82	5.51	0.00	5.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.43
45	14.900	22.70	0.37	118.83	716.54	6.84	5.54	0.00	5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.42
46	14.800	22.70	0.37	118.92	716.74	6.85	5.58	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.40
47	14.700	22.70	0.37	119.02	716.98	6.86	5.62	0.00	5.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.39
48	14.600	22.70	0.37	119.15	717.26	6.87	5.66	0.00	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.38
49	14.500	22.70	0.37	119.29	717.59	6.88	5.69	0.00	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
50	14.400	22.70	0.37	119.46	717.98	6.89	5.73	0.00	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
51	14.300	22.70	0.37	119.66	718.43	6.90	5.76	0.00	5.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
52	14.200	22.70	0.37	119.90	718.96	6.91	5.80	0.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
53	14.100	22.70	0.37	120.17	719.59	6.91	5.83	0.00	5.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
54	14.000	22.70	0.37	120.49	720.32	6.92	5.86	0.00	5.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29
55	13.900	22.70	0.37	120.87	721.18	6.92	5.90	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.28
56	13.800	22.70	0.37	121.31	722.19	6.92	5.93	0.00	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
57	13.700	22.70	0.37	121.83	723.37	6.92	5.96	0.00	5.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
58	13.600	22.70	0.37	122.44	724.75	6.92	5.98	0.00	5.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.24
59	13.500	22.70	0.37	123.16	726.38	6.91	6.01	0.00	6.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.23
60	13.400	22.70	0.37	124.00	728.29	6.90	6.04	0.00	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 5 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
61	UPR RCH	1.49000	22.70	0.37	124.00	728.29	6.90	6.04	0.00	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22
69	WSTLD	0.28000	26.90	0.37	151.00	710.80	7.75	7.56	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44

********** 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
61	13.40	13.30	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
62	13.30	13.20	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
63	13.20	13.10	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
64	13.10	13.00	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
65	13.00	12.90	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
66	12.90	12.80	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
67	12.80	12.70	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
68	12.70	12.60	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
69	12.60	12.50	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
70	12.50	12.40	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
71	12.40	12.30	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
72	12.30	12.20	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
73	12.20	12.10	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
74	12.10	12.00	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
75	12.00	11.90	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
76	11.90	11.80	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
77	11.80	11.70	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
78	11.70	11.60	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
TOT						1.58			223488.00	230400.00					
AVG					0.01316		0.97	128.00			124.16				
CUM						9.46									

********** 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
61	13.300	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
62	13.200	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
63	13.100	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
64	13.000	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
65	12.900	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
66	12.800	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
67	12.700	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
68	12.600	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
69	12.500	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
70	12.400	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
71	12.300	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
72	12.200	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
73	12.100	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
74	12.000	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
75	11.900	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
76	11.800	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
77	11.700	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
78	11.600	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.21	0.06	0.00	0.00	0.00	0.00	0.00	1.51			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
61	13.300	22.70	0.38	124.91	730.36	6.89	6.06	0.00	6.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.21
62	13.200	22.70	0.39	125.90	732.61	6.88	6.08	0.00	6.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
63	13.100	22.70	0.39	127.04	735.20	6.88	6.10	0.00	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.19
64	13.000	22.70	0.40	128.35	738.18	6.87	6.12	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.18
65	12.900	22.70	0.41	129.85	741.60	6.87	6.15	0.00	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.18
66	12.800	22.70	0.42	131.59	745.54	6.87	6.18	0.00	6.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
67	12.700	22.70	0.42	133.58	750.07	6.87	6.22	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
68	12.600	22.70	0.43	135.87	755.27	6.88	6.25	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
69	12.500	22.70	0.44	138.50	761.26	6.89	6.29	0.00	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
70	12.400	22.70	0.45	141.18	769.57	6.88	6.31	0.00	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
71	12.300	22.70	0.46	144.33	779.36	6.87	6.32	0.00	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
72	12.200	22.70	0.46	148.05	790.90	6.87	6.33	0.00	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
73	12.100	22.70	0.47	152.43	804.49	6.86	6.34	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
74	12.000	22.70	0.48	157.59	820.50	6.86	6.36	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
75	11.900	22.70	0.49	163.66	839.36	6.87	6.38	0.00	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
76	11.800	22.70	0.49	170.82	861.59	6.87	6.40	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
77	11.700	22.70	0.50	179.26	887.77	6.89	6.42	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.19
78	11.600	22.70	0.51	189.20	918.63	6.90	6.44	0.00	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 6 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
79	UPR RCH	1.77000	22.70	0.51	189.20	918.63	6.90	6.44	0.00	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
79	WSTLD	0.35000	26.80	0.78	363.00	1475.00	7.75	7.16	0.00	7.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84
84	WSTLD	0.70000	26.80	0.78	363.00	1475.00	7.75	7.16	0.00	7.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84
88	WSTLD	0.40000	27.00	0.49	234.00	931.00	7.75	7.74	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
90	WSTLD	-8.65000	22.70	0.64	274.77	1171.27	7.24	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29

********** 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
79	11.60	11.50	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
80	11.50	11.40	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
81	11.40	11.30	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
82	11.30	11.20	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
83	11.20	11.10	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012

84	11.10	11.00	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
85	11.00	10.90	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
86	10.90	10.80	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
87	10.80	10.70	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
88	10.70	10.60	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
89	10.60	10.50	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
90	10.50	10.40	-5.43000	100.0	-0.02991	-0.04	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.030
TOT						0.89			217862.42	194520.02					
AVG					0.01569		1.12	162.10			181.55				
CUM						10.34									

********** 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
79	11.500	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
80	11.400	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
81	11.300	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
82	11.200	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
83	11.100	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
84	11.000	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
85	10.900	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
86	10.800	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
87	10.700	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
88	10.600	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
89	10.500	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
90	10.400	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.04	0.06	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
79	11.500	22.70	0.52	198.71	948.15	6.92	6.46	0.00	6.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22
80	11.400	22.70	0.53	203.92	963.91	6.93	6.48	0.00	6.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22
81	11.300	22.70	0.54	209.89	981.98	6.94	6.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.23
82	11.200	22.70	0.55	216.73	1002.68	6.96	6.52	0.00	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.24
83	11.100	22.70	0.56	224.57	1026.40	6.98	6.56	0.00	6.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
84	11.000	22.70	0.57	233.56	1053.58	7.02	6.61	0.00	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
85	10.900	22.70	0.59	237.61	1064.42	7.03	6.65	0.00	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
86	10.800	22.70	0.60	242.46	1077.36	7.05	6.71	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
87	10.700	22.70	0.61	248.24	1092.82	7.08	6.78	0.00	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
88	10.600	22.70	0.62	255.15	1111.27	7.13	6.87	0.00	6.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
89	10.500	22.70	0.63	263.98	1138.28	7.17	6.96	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.28
90	10.400	22.70	0.64	274.77	1171.27	7.24	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
91	UPR RCH	-5.43000	22.70	0.64	274.77	1171.27	7.24	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29
108	WSTLD	6.54000	27.40	0.53	310.00	1279.00	7.75	7.62	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38

********** 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
91	10.40	10.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
92	10.30	10.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
93	10.20	10.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
94	10.10	10.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
95	10.00	9.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
96	9.90	9.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
97	9.80	9.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
98	9.70	9.60	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
99	9.60	9.50	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
100	9.50	9.40	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
101	9.40	9.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
102	9.30	9.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
103	9.20	9.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
104	9.10	9.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
105	9.00	8.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
106	8.90	8.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
107	8.80	8.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
108	8.70	8.60	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
109	8.60	8.50	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
110	8.50	8.40	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
111	8.40	8.30	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
112	8.30	8.20	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
113	8.20	8.10	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
114	8.10	8.00	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
115	8.00	7.90	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
116	7.90	7.80	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
117	7.80	7.70	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
TOT						0.39			153060.30	184410.02					
AVG					0.08102		0.83	68.30			56.69				
CUM						10.73									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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
91	10.300	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
92	10.200	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
93	10.100	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
94	10.000	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
95	9.900	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
96	9.800	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
97	9.700	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
98	9.600	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
99	9.500	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
100	9.400	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
101	9.300	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
102	9.200	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
103	9.100	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
104	9.000	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
105	8.900	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
106	8.800	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
107	8.700	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
108	8.600	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
109	8.500	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
110	8.400	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
111	8.300	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
112	8.200	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
113	8.100	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
114	8.000	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
115	7.900	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
116	7.800	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
117	7.700	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			2.06	0.06	0.00	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
91	10.300	22.70	0.65	286.88	1208.30	7.32	7.21	0.00	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.30
92	10.200	22.70	0.67	297.65	1241.25	7.40	7.34	0.00	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
93	10.100	22.70	0.68	303.41	1258.86	7.44	7.41	0.00	7.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
94	10.000	22.70	0.70	306.49	1268.28	7.47	7.45	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
95	9.900	22.70	0.71	308.14	1273.31	7.49	7.47	0.00	7.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
96	9.800	22.70	0.73	309.02	1276.00	7.50	7.49	0.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
97	9.700	22.70	0.74	309.49	1277.44	7.51	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
98	9.600	22.70	0.76	309.74	1278.21	7.52	7.51	0.00	7.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
99	9.500	22.70	0.77	309.87	1278.62	7.53	7.52	0.00	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
100	9.400	22.70	0.79	309.95	1278.84	7.54	7.52	0.00	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
101	9.300	22.70	0.80	309.98	1278.96	7.55	7.53	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
102	9.200	22.70	0.82	310.01	1279.02	7.56	7.54	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35

103	9.100	22.70	0.83	310.02	1279.05	7.57	7.54	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
104	9.000	22.70	0.85	310.02	1279.07	7.58	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
105	8.900	22.70	0.86	310.03	1279.08	7.59	7.56	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
106	8.800	22.70	0.88	310.03	1279.09	7.60	7.56	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
107	8.700	22.70	0.89	310.03	1279.09	7.62	7.57	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
108	8.600	22.70	0.91	310.03	1279.09	7.63	7.57	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.36
109	8.500	22.70	0.92	310.06	1279.19	7.54	7.54	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
110	8.400	22.70	0.94	310.10	1279.30	7.45	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
111	8.300	22.70	0.95	310.14	1279.44	7.37	7.46	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.32
112	8.200	22.70	0.97	310.19	1279.60	7.29	7.42	0.00	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
113	8.100	22.70	0.98	310.25	1279.78	7.21	7.38	0.00	7.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.30
114	8.000	22.70	1.00	310.32	1280.01	7.13	7.33	0.00	7.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.28
115	7.900	22.70	1.01	310.40	1280.27	7.06	7.29	0.00	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
116	7.800	22.70	1.03	310.49	1280.57	6.99	7.24	0.00	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.25
117	7.700	22.70	1.04	310.61	1280.93	6.91	7.18	0.00	7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.23

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 8 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
118	UPR RCH	1.11000	22.70	1.04	310.61	1280.93	6.91	7.18	0.00	7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23
124	WSTLD	0.01000	27.40	0.53	310.00	1279.00	7.75	7.62	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38

********** 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
118	7.70	7.60	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
119	7.60	7.50	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
120	7.50	7.40	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
121	7.40	7.30	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
122	7.30	7.20	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
123	7.20	7.10	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
124	7.10	7.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
125	7.00	6.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
126	6.90	6.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
127	6.80	6.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
128	6.70	6.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
129	6.60	6.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
130	6.50	6.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
131	6.40	6.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
132	6.30	6.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
133	6.20	6.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
134	6.10	6.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
135	6.00	5.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
136	5.90	5.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
137	5.80	5.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014

138	5.70	5.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
139	5.60	5.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
140	5.50	5.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
141	5.40	5.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
142	5.30	5.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
143	5.20	5.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
TOT						2.13			205919.98	228800.00					
AVG					0.01411		0.90	88.00			79.20				
CUM						12.86									

********** 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
118	7.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
119	7.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
120	7.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
121	7.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
122	7.200	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
123	7.100	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
124	7.000	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
125	6.900	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
126	6.800	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
127	6.700	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
128	6.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
129	6.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
130	6.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
131	6.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
132	6.200	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
133	6.100	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
134	6.000	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
135	5.900	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
136	5.800	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
137	5.700	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
138	5.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
139	5.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
140	5.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
141	5.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
142	5.200	8.59	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
143	5.100	8.59	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.37	2.37	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.30	0.06	0.00	0.00	0.00	0.00	0.00	2.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
118	7.600	22.70	1.03	310.70	1281.24	6.86	7.14	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.21
119	7.500	22.70	1.02	310.79	1281.51	6.82	7.11	0.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
120	7.400	22.70	1.02	310.88	1281.80	6.78	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.19
121	7.300	22.70	1.01	310.98	1282.13	6.74	7.04	0.00	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.18
122	7.200	22.70	1.00	311.10	1282.49	6.71	7.01	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
123	7.100	22.70	0.99	311.22	1282.89	6.68	6.98	0.00	6.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.15
124	7.000	22.70	0.98	311.36	1283.32	6.65	6.95	0.00	6.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.14
125	6.900	22.70	0.98	311.51	1283.80	6.63	6.92	0.00	6.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.13
126	6.800	22.70	0.97	311.68	1284.33	6.60	6.89	0.00	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.12
127	6.700	22.70	0.96	311.86	1284.92	6.58	6.86	0.00	6.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.11
128	6.600	22.70	0.95	312.06	1285.56	6.56	6.84	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
129	6.500	22.70	0.94	312.28	1286.27	6.54	6.81	0.00	6.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
130	6.400	22.70	0.94	312.53	1287.05	6.52	6.79	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
131	6.300	22.70	0.93	312.80	1287.91	6.51	6.77	0.00	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
132	6.200	22.70	0.92	313.10	1288.85	6.50	6.75	0.00	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
133	6.100	22.70	0.91	313.42	1289.90	6.49	6.73	0.00	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
134	6.000	22.70	0.90	313.78	1291.04	6.48	6.71	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
135	5.900	22.70	0.89	314.18	1292.30	6.47	6.69	0.00	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
136	5.800	22.70	0.89	314.62	1293.69	6.47	6.68	0.00	6.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
137	5.700	22.70	0.88	315.10	1295.22	6.46	6.67	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
138	5.600	22.70	0.87	315.63	1296.91	6.46	6.66	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
139	5.500	22.70	0.86	316.21	1298.76	6.46	6.66	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.97
140	5.400	22.70	0.85	316.85	1300.80	6.47	6.65	0.00	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.96
141	5.300	22.70	0.85	317.56	1303.05	6.47	6.66	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
142	5.200	22.70	0.84	318.34	1305.53	6.49	6.66	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
143	5.100	22.70	0.83	319.19	1308.25	6.50	6.67	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.93

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 9 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
144	UPR RCH	1.12000	22.70	0.83	319.19	1308.25	6.50	6.67	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93
172	WSTLD	0.36000	25.90	0.64	304.00	1210.00	7.75	8.14	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86

********** 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
144	5.10	5.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
145	5.00	4.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
146	4.90	4.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
147	4.80	4.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013

148	4.70	4.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
149	4.60	4.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
150	4.50	4.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
151	4.40	4.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
152	4.30	4.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
153	4.20	4.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
154	4.10	4.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
155	4.00	3.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
156	3.90	3.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
157	3.80	3.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
158	3.70	3.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
159	3.60	3.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
160	3.50	3.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
161	3.40	3.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
162	3.30	3.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
163	3.20	3.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
164	3.10	3.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
165	3.00	2.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
166	2.90	2.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
167	2.80	2.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
168	2.70	2.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
169	2.60	2.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
170	2.50	2.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
171	2.40	2.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
172	2.30	2.20	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
173	2.20	2.10	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
174	2.10	2.00	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
175	2.00	1.90	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
176	1.90	1.80	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
177	1.80	1.70	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
178	1.70	1.60	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
179	1.60	1.50	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
TOT						3.14			320932.81	281519.97					
AVG					0.01328		1.14	78.20			89.15				
CUM						16.00									

********** 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
144	5.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
145	4.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
146	4.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
147	4.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
148	4.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
149	4.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
150	4.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
151	4.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
152	4.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
153	4.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
154	4.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
155	3.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00

156	3.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
157	3.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
158	3.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
159	3.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
160	3.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
161	3.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
162	3.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
163	3.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
164	3.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
165	2.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
166	2.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
167	2.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
168	2.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
169	2.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
170	2.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
171	2.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
172	2.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
173	2.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
174	2.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
175	1.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
176	1.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
177	1.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
178	1.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
179	1.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.03	0.06	0.00	0.00	0.00	0.00	0.00	1.36			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
144	5.000	22.70	0.83	319.99	1310.79	6.52	6.68	0.00	6.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
145	4.900	22.70	0.83	320.74	1313.17	6.53	6.69	0.00	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
146	4.800	22.70	0.83	321.54	1315.73	6.54	6.70	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90
147	4.700	22.70	0.83	322.41	1318.48	6.56	6.71	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
148	4.600	22.70	0.83	323.34	1321.43	6.57	6.73	0.00	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
149	4.500	22.70	0.83	324.33	1324.60	6.58	6.74	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
150	4.400	22.70	0.83	325.40	1328.00	6.59	6.75	0.00	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
151	4.300	22.70	0.83	326.55	1331.66	6.60	6.76	0.00	6.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
152	4.200	22.70	0.83	327.78	1335.58	6.61	6.77	0.00	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
153	4.100	22.70	0.83	329.11	1339.80	6.62	6.78	0.00	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
154	4.000	22.70	0.83	330.53	1344.33	6.63	6.79	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
155	3.900	22.70	0.83	332.06	1349.19	6.64	6.80	0.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
156	3.800	22.70	0.83	333.70	1354.41	6.65	6.82	0.00	6.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
157	3.700	22.70	0.83	335.46	1360.02	6.66	6.83	0.00	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.82
158	3.600	22.70	0.83	337.35	1366.04	6.67	6.84	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
159	3.500	22.70	0.83	339.39	1372.50	6.68	6.85	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
160	3.400	22.70	0.83	341.57	1379.45	6.69	6.86	0.00	6.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
161	3.300	22.70	0.83	343.91	1386.90	6.70	6.88	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
162	3.200	22.70	0.83	346.43	1394.91	6.71	6.89	0.00	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
163	3.100	22.70	0.83	349.13	1403.51	6.72	6.90	0.00	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
164	3.000	22.70	0.83	352.03	1412.74	6.73	6.92	0.00	6.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79

165	2.900	22.70	0.83	355.15	1422.66	6.74	6.93	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
166	2.800	22.70	0.83	358.50	1433.31	6.76	6.95	0.00	6.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
167	2.700	22.70	0.83	362.09	1444.75	6.77	6.96	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
168	2.600	22.70	0.83	365.95	1457.03	6.79	6.98	0.00	6.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
169	2.500	22.70	0.83	370.10	1470.22	6.80	6.99	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
170	2.400	22.70	0.83	374.55	1484.39	6.82	7.01	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
171	2.300	22.70	0.83	379.33	1499.60	6.84	7.03	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
172	2.200	22.70	0.83	384.46	1515.94	6.86	7.05	0.00	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
173	2.100	22.70	0.83	391.89	1540.75	6.87	7.04	0.00	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
174	2.000	22.70	0.83	400.04	1567.99	6.87	7.03	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
175	1.900	22.70	0.83	408.98	1597.88	6.88	7.02	0.00	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
176	1.800	22.70	0.83	418.80	1630.69	6.89	7.01	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
177	1.700	22.70	0.83	429.58	1666.71	6.90	6.99	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
178	1.600	22.70	0.83	441.41	1706.25	6.91	6.98	0.00	6.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.78
179	1.500	22.70	0.83	454.40	1749.64	6.93	6.96	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 10 Bayou Segnette Winter Projection, no man made load (natural) model

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
180	UPR RCH	1.48000	22.70	0.83	454.40	1749.64	6.93	6.96	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	1.50	1.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
181	1.40	1.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
182	1.30	1.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
183	1.20	1.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
184	1.10	1.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
185	1.00	0.90	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
186	0.90	0.80	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
187	0.80	0.70	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
188	0.70	0.60	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
189	0.60	0.50	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
190	0.50	0.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
191	0.40	0.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
192	0.30	0.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
193	0.20	0.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
194	0.10	0.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
TOT						0.88			112160.98	102900.00					
AVG					0.01979		1.09	68.60			74.77				
CUM						16.87									

********** 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
180	1.400	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
181	1.300	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
182	1.200	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
183	1.100	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
184	1.000	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
185	0.900	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
186	0.800	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
187	0.700	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
188	0.600	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
189	0.500	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
190	0.400	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
191	0.300	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
192	0.200	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
193	0.100	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
194	0.000	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	1.43	1.43	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.07	0.06	0.00	0.00	0.00	0.00	0.00	1.21			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
180	1.400	22.70	0.90	468.75	1797.59	6.95	6.94	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
181	1.300	22.70	0.96	484.62	1850.61	6.97	6.92	0.00	6.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.80
182	1.200	22.70	1.03	502.05	1908.88	6.99	6.89	0.00	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
183	1.100	22.70	1.10	521.21	1972.91	7.02	6.86	0.00	6.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.82
184	1.000	22.70	1.16	542.27	2043.28	7.05	6.83	0.00	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
185	0.900	22.70	1.23	565.41	2120.61	7.08	6.78	0.00	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
186	0.800	22.70	1.30	590.85	2205.59	7.12	6.74	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
187	0.700	22.70	1.36	618.79	2298.99	7.16	6.69	0.00	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
188	0.600	22.70	1.43	649.51	2401.63	7.21	6.63	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
189	0.500	22.70	1.50	683.26	2514.42	7.26	6.56	0.00	6.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
190	0.400	22.70	1.56	720.36	2638.38	7.33	6.48	0.00	6.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.94
191	0.300	22.70	1.63	761.13	2774.61	7.40	6.40	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.97
192	0.200	22.70	1.70	805.93	2924.32	7.48	6.31	0.00	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
193	0.100	22.70	1.76	855.16	3088.84	7.58	6.20	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
194	0.000	22.70	1.83	909.27	3269.65	7.69	6.09	0.00	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08

STREAM SUMMARY
Bayou Segnette

LA-QUAL simulation of Bayou Segnette (020701)
Winter Projection, no man made load (natural) model

TRAVEL TIME = 16.87 DAYS

MAXIMUM EFFLUENT = 100.00 PERCENT

FLOW	=	-5.43000	TO	3.22000	m^3/s
DISPERSION	=	8.0000	TO	20.0000	m^2/s
VELOCITY	=	-0.09579	TO	0.01979	m/s
DEPTH	=	0.83	TO	1.26	m
WIDTH	=	68.30	TO	162.10	m
BOD DECAY	=	0.07	TO	0.08	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.24	TO	2.37	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.98	TO	2.58	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	22.70	TO	22.70	deg C
DISSOLVED OXYGEN	=	6.46	TO	7.69	mg/L

LA-QUAL simulation of Bayou Segnette (020701)
Winter Projection, no man made load (natural) model

INPUT/OUTPUT LOADING SUMMARY

	FLOW m^3/s	DO kg/d	BOD#1 kg/d	BOD#2 kg/d	ORG-N kg/d	NH3-N kg/d	NO3-N kg/d	PHOS kg/d	CHL A	NCM
HEADWATER INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	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	10.690	7158.0	6624.2	0.0	0.0	0.0	0.0	0.0	0.0	1688.3
WITHDRAWLS	-9.210	-5745.5	-5477.1	0.0	0.0	0.0	0.0	0.0	0.0	-1087.6
OUTFLOW THRU LOWER BNDRY	-1.480	-983.0	-778.1	0.0	0.0	0.0	0.0	0.0	0.0	-137.8
DISPERSION THRU LOWER BNDRY		162.1	-168.4	0.0	0.0	0.0	0.0	0.0	0.0	57.8
NON-POINT INPUT		0.0	601.0	0.0	0.0					0.0
NATURAL REAERATION		3893.1								
DAM REAERATION		0.0								
BACKGROUND SOD		-3162.3								
BOD#1 DECAY		-801.7	-801.7							
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			0.0	0.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		0.0				0.0	0.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		0.0				0.0	0.0	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		-520.8								-520.8
NCM SETTLING		0.0								0.0
TOTAL INPUTS	10.690	11213.2	7225.2	0.0	0.0	0.0	0.0	0.0	0.0	1746.2
TOTAL OUTPUTS	-10.690	-11213.2	-7225.2	0.0	0.0	0.0	0.0	0.0	0.0	-1746.2
NET CONVERGENCE ERROR	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

.....EXECUTION COMPLETED

APPENDIX Q

Projection NPS Loads and TMDL Calculations

Summer TMDL Summary:

Bayou Segnette

Calculation of the TMDL - Kilograms per day			
Load description	WLA (kg/day)	LA (kg/day)	MOS Load (kg/day)
Point Source loads	1		0
Headwater / Tributatary loads		5,486	0
Benthic loads		4,103	0
Incremental Loads		0	0
SUB-TOTAL	**1**	**9,589**	**0**
TMDL = WLA + LA + MOS		***9,590 kg/day***	

Notes:

(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Kilograms per day			
Load description	WLA (kg/day)	LA (kg/day)	MOS Load (kg/day)
Point Source loads	1		0
Natural Nonpoint Loads		9,589	
Manmade Nonpoint Loads		0	0
SUB-TOTAL	**1**	**9,589**	**0**
TMDL = WLA + LA + MOS		***9,590 kg/day***	

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPRC

Summer Projection, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Projection Model Equivalents				Projected Model Loads				Margin of Safety Loads					
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Reduced TCBL adjusted for MOS	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Total Projection Benthic Load (LA+MOS)	MOS Total Benthic Load @ 20°C	MOS SOD @ 20°C	Non-Point UCBOD MOS Loads	Non-Point UNBOD MOS Loads	Adjusted SOD MOS @ Proj. temp	Adjusted Total MOS @ Proj. temp
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	B, (note 1)	C, (note 1)	D, (note 1)	E, (note 1)	F1	F2	F = F1*(1-F2)	G	I	H	J, (note 2)	K, (note 3)	L = (K)(A / D)	M = (K)(B / D)	N = (K)(C / D)	O = (E)(G)(L)	P = (E)(G)(M)	Q, (note 4)	O + P + Q	R = (K-J)(E)(G)	S = (R)(C/D)	T = (R)(A/D)	U = (R)(B/D)	V, (note 5)	T + U + V
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	34%	1.32	96.60	30.90	100.0%	0.20	0.20	0.000	0.000	0.20	0	0	54	53.73	0	0	0	0	0	0
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	34%	1.32	96.60	30.90	100.0%	1.32	1.32	0.000	0.000	1.32	0	0	253	253.32	0	0	0	0	0	0
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	34%	1.32	96.60	30.90	100.0%	1.32	1.32	0.250	0.000	1.07	46	0	390	436.05	0	0	0	0	0	0
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	34%	1.32	112.20	30.90	100.0%	1.32	1.32	0.543	0.000	0.78	104	0	294	397.98	0	0	0	0	0	0
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	34%	1.32	128.00	30.90	100.0%	1.32	1.32	0.324	0.000	1.00	75	0	456	530.49	0	0	0	0	0	0
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	34%	1.32	162.10	30.90	100.0%	1.32	1.32	0.000	0.000	1.32	0	0	510	510.09	0	0	0	0	0	0
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	34%	1.32	68.30	30.90	100.0%	1.32	1.32	0.000	0.000	1.32	0	0	484	483.58	0	0	0	0	0	0
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	34%	1.32	88.00	30.90	100.0%	1.32	1.32	0.000	0.000	1.32	0	0	600	599.99	0	0	0	0	0	0
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	34%	1.32	78.20	30.90	100.0%	1.32	1.32	0.424	0.000	0.90	119	0	501	620.40	0	0	0	0	0	0
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	34%	1.32	68.60	30.90	100.0%	1.32	1.32	0.519	0.000	0.80	53	0	164	217.15	0	0	0	0	0	0
Sub-Total												12.08					397	0	3706	**4103**	0		0	0	0	**0**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	20%

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Summer Projection, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Man-made Model equivalents				Man-made Model loads				Background Model loads			
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Manmade portion of TCBL	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**J,** (note 2)	**W = K - F**	**X = (W)(A / D)**	**Y = (W)(B / D)**	**Z = (W)(C / D)**	**AA = (E)(G)(X)**	**AB = (E)(G)(Y)**	**AC,** (note 6)	**AA + AB + AC**	**AD = O - AA**	**AE = P - AB**	**AF = Q - AC**	**AD + AE + AF**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	34%	1.32	96.60	30.90	100.0%	0.20	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	54	53.73
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	34%	1.32	96.60	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	253	253.32
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	34%	1.32	96.60	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	46	0	390	436.05
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	34%	1.32	112.20	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	104	0	294	397.98
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	34%	1.32	128.00	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	75	0	456	530.49
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	34%	1.32	162.10	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	510	510.09
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	34%	1.32	68.30	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	484	483.58
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	34%	1.32	88.00	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	600	599.99
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	34%	1.32	78.20	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	119	0	501	620.40
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	34%	1.32	68.60	30.90	100.0%	1.32	0.00	0.000	0.000	0.00	0	0	0	0.00	53	0	164	217.15
Sub-Total												12.08					0	0	0	**0**	397	0	3706	**4103**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Summer TMDL Calculations for Point Source loads:

Bayou Segnette

Input data into the shaded cells.

Point Source Loading Calculations

Pt. Source / Facility Description and Reach #	Receiving Stream	Included in the Projection Model (Yes/No)	Anticipated/ design flow (cms)	Flow with MOS (cms)	Proposed Permit Limits			UCBOD				UNBOD				Sub-total of Point Source Loads		
					$CBOD_5$ (mg/l)	NH_3N (mg/l)	MOS (%)	Ultimate Conc. (mg/l) (2)	Loads (kg/day) (1)	WLA (kg/day)	Reserve/ MOS Load (kg/day)	Ultimate Conc. (mg/l) (2)	Loads (kg/day) (1)	WLA (kg/day)	Reserve/ MOS Load (kg/day)	Loads (kg/day)	WLA (kg/day)	Reserve/ MOS (kg/day)
			A	A1 = A/(1-D)	B	C	D	E = 2.3 x B	F = (86.4)(A1)(E)	G = (1-D) x F	H = (D)(F)	I	J = (86.4)(A1)(I)	K = (1-D) x J	L = (D)(J)	F + J	G + K	H + L
MASTER LUBE OF LA INC	Estelle Canal	No	4.38079E-05	5.47598E-05	22.5		20%	51.8	0.24	0.20	0.05	51.8	0.24	0.20	0.05	0.49	0.39	0.10
JEFFERSON PAR DEPT DRAINAGE PUMP STA	Bayou Segnette	No	3.50463E-06	4.38079E-06	22.5		20%	51.8	0.02	0.02	0.00	51.8	0.02	0.02	0.00	0.04	0.03	0.01
JEFFERSON PAR DEPT DRAINAGE PUMP STA	Bayou Segnette	No	3.50463E-06	4.38079E-06	22.5		20%	51.8	0.02	0.02	0.00	51.8	0.02	0.02	0.00	0.04	0.03	0.01
SUB-TOTAL Loads									**0.28**	**0.23**	**0.06**		**0.28**	**0.23**	**0.06**	**0.57**	**0.45**	**0.11**

(1) - Load(kg/day) = 86.4 x Ultimate Conc.(mg/l) x Modeled Flow(cms)

(2) - [UCBOD conc. = CBOD5(mg/l) x 2.3] and [UNBOD conc. = NH3N(mg/l) x 4.3]

The flows in the Point source table have been converted from cfs to cms. Also the total BOD5 was multiplied by 2.3 and divided equally between CBODu and NBODu.

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Summer TMDL calculations and Projection model calculations for Headwater / Tributary loads:

Bayou Segnette

Shaded cells are input values for calculations.
Values to be used in the projection models.

Headwater / Tributary load determinations

Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD (mg/l)	UNBOD (mg/l)	UCBOD (kg/day)	UNBOD (kg/day)	Background UCBOD conc. (mg/l)	Background UNBOD conc. (mg/l)	Background % Reduction	Background UCBOD Load (kg/day)	Background UNBOD Load (kg/day)	Percent reduction of Man-Made loads	UCBOD load adjusted for % Reduction (kg/day)	UNBOD load adjusted for % Reduction (kg/day)	Reduced UCBOD load adjusted for MOS (kg/day)	Reduced UNBOD load adjusted for MOS (kg/day)	Projection UCBOD input conc. (mg/l)	Projection UNBOD input conc. (mg/l)	Total MOS (kg/day)	Total LA (kg/day)
	A	B	C	D = (86.4)(A)(B)	E = (86.4)(A)(C)	F	G	H1	H = (1-H1) (86.4)(A)(F)	I = (1-H1) (86.4)(A)(G)	J	K = (D-H)(1-J) + H	L = (D-I)(1-J) + I	M = (K - H) / (1 - MOS) + H	N = (L - I) / (1 - MOS) + I	(M)/[(A)(86.4)]	(N)/[(A)(86.4)]	(M+N) - (K+L)	K + L
Westwego 2 Pump St	0.9	19.6	39.1	1524.87	3041.19	3.01	5.99	34%	154.25	307.64	100%	154.25	307.64	154.25	307.64	1.98	3.96	0.00	461.89
Outer Cat Canal N (outflow)		11.3	3.6			6.84	2.16	34%			100%								
Outer Cat Canal S	0.55	11.3	3.6	536.50	169.65	6.84	2.16	34%	214.46	67.81	100%	214.46	67.81	214.46	67.81	4.51	1.43	0.00	282.27
UCA North connection (outflow)		11.3	1.9			7.71	1.29	34%			100%								
UCA South connection	0.6	11.3	1.9	584.24	97.46	7.71	1.29	34%	263.91	44.02	100%	263.91	44.02	263.91	44.02	5.09	0.85	0.00	307.93
Storage area	0.28	11.8	2.3	285.22	54.43	7.56	1.44	34%	120.67	23.03	100%	120.67	23.03	120.67	23.03	4.99	0.95	0.00	143.70
Millaudon Canal N	0.35	12.3	3.2	371.95	95.56	7.16	1.84	34%	142.91	36.72	100%	142.91	36.72	142.91	36.72	4.73	1.21	0.00	179.63
Millaudon Canal S	0.7	12.3	3.2	743.90	191.12	7.16	1.84	34%	285.82	73.43	100%	285.82	73.43	285.82	73.43	4.73	1.21	0.00	359.25
Tarpapper Canal	0.4	10.9	1.8	376.70	61.52	7.74	1.26	34%	176.47	28.82	100%	176.47	28.82	176.47	28.82	5.11	0.83	0.00	205.29
Bayou Bardeaux North (outflow)		10.9	2.0			7.62	1.38	34%			100%								
Bayou Bardeaux South	6.54	10.9	2.0	6159.11	1118.81	7.62	1.38	34%	2840.46	515.97	100%	2840.46	515.97	2840.46	515.97	5.03	0.91	0.00	3,356.43
Drill hole to Lk Sal	0.01	10.9	2.0	9.42	1.71	7.62	1.38	34%	4.34	0.79	100%	4.34	0.79	4.34	0.79	5.03	0.91	0.00	5.13
Pipeline Canal	0.36	11.5	1.2	358.94	37.95	8.14	0.86	34%	167.09	17.66	100%	167.09	17.66	167.09	17.66	5.37	0.57	0.00	184.76
SUB-TOTAL TMDL LOADING				10,951	4,869				4,370	1,116		4,370	1,116	4,370	1,116			0	5,486

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) =	20%

Winter TMDL Summary:

Bayou Segnette

Calculation of the TMDL - Kilograms per day			
Load description	WLA (kg/day)	LA (kg/day)	MOS Load (kg/day)
Point Source loads	1		0
Headwater / Tributatary loads		10,489	544
Benthic loads		4,677	229
Incremental Loads		0	0
SUB-TOTAL	**1**	**15,166**	**773**
TMDL = WLA + LA + MOS		***15,940 kg/day***	

Notes:

(1) - Load(lbs/day) = Load(kg/day) x 2.205

Calculation of the TMDL - Kilograms per day			
Load description	WLA (kg/day)	LA (kg/day)	MOS Load (kg/day)
Point Source loads	1		0
Natural Nonpoint Loads		12,075	
Manmade Nonpoint Loads		3,091	773
SUB-TOTAL	**1**	**15,166**	**773**
TMDL = WLA + LA + MOS		***15,940 kg/day***	

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPRC

Winter Projection, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Projection Model Equivalents				Projected Model Loads				Margin of Safety Loads					
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Reduced TCBL adjusted for MOS	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Total Projection Benthic Load (LA+MOS)	MOS Total Benthic Load @ 20°C	MOS SOD @ 20°C	Non-Point UCBOD MOS Loads	Non-Point UNBOD MOS Loads	Adjusted SOD MOS @ Proj. temp	Adjusted Total MOS @ Proj. temp
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	B, (note 1)	C, (note 1)	D, (note 1)	E, (note 1)	F1	F2	F = F1*(1-F2)	G	I	H	J, (note 2)	K, (note 3)	L = (K)(A / D)	M = (K)(B / D)	N = (K)(C / D)	O = (E)(G)(L)	P = (E)(G)(M)	Q, (note 4)	O + P + Q	R = (K-J)(E)(G)	S = (R)(C/D)	T = (R)(A/D)	U = (R)(B/D)	V, (note 5)	T + U + V
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	22.70	71.0%	0.20	0.20	0.000	0.000	0.20	0	0	32	32.06	0	0	0	0	0	0
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	22.70	71.0%	1.50	1.50	0.000	0.000	1.50	0	0	172	171.76	0	0	0	0	0	0
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	22.70	71.0%	2.67	2.84	0.538	0.000	2.30	99	0	501	599.58	31	25	6	0	30	35
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	22.70	71.0%	2.16	2.20	0.905	0.000	1.29	173	0	293	465.16	8	4	3	0	5	8
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	22.70	71.0%	2.19	2.24	0.549	0.000	1.69	127	0	461	587.21	11	8	3	0	10	12
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	22.70	71.0%	1.50	1.50	0.000	0.000	1.50	0	0	346	345.86	0	0	0	0	0	0
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	22.70	71.0%	2.58	2.73	0.000	0.000	2.73	0	0	596	595.66	27	27	0	0	32	32
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	22.70	71.0%	2.15	2.18	0.000	0.000	2.18	0	0	592	591.57	8	8	0	0	10	10
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	22.70	71.0%	3.34	3.68	1.182	0.000	2.50	333	0	833	1165.93	95	64	30	0	76	106
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	22.70	71.0%	2.85	3.07	1.206	0.000	1.86	124	0	227	351.10	22	13	9	0	16	24
Sub-Total												21.14					855	0	4051	**4906**	201		51	0	178	**229**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	20%

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Winter Projection, Non-Point Benthic Load Input and TMDL Calculations:

Modeled stream or water body:	Bayou Segnette

Shaded cells are input values for calculations.

Values to be used in the projection models.

	Calibration Model Values												Man-made Model equivalents				Man-made Model loads				Background Model loads			
Reach Number and Description	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Total Calb. Benthic Load (TCBL)	Reach Length	Back-ground Benthic Load	Back-ground percentage reduction	Back-ground Benthic Load adjusted for % reduction	Proj. Model Avg. Reach Width	Proj. Temp.	Percentage Reduction of man-made sources	TCBL adjusted for % reduction (Reduced TCBL)	Manmade portion of TCBL	Non-Point UCBOD	Non-Point UNBOD	SOD @ 20°C	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load	Non-Point UCBOD INPUTS	Non-Point UNBOD INPUTS	SOD load @ Proj. temp.	Man-made Total Projection Benthic Load
	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	Kilo-meters	gm O_2 / [(m^2)(day)]	%	gm O_2 / [(m^2)(day)]	Meters	(degrees Celcius)	%	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	gm O_2 / [(m^2)(day)]	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)	(kg/day)
	A, (note 1)	**B,** (note 1)	**C,** (note 1)	**D,** (note 1)	**E,** (note 1)	**F1**	**F2**	**F = F1*(1-F2)**	**G**	**I**	**H**	**J,** (note 2)	**W = K - F**	**X = (W)(A / D)**	**Y = (W)(B / D)**	**Z = (W)(C / D)**	**AA = (E)(G)(X)**	**AB = (E)(G)(Y)**	**AC,** (note 6)	**AA + AB + AC**	**AD = O - AA**	**AE = P - AB**	**AF = Q - AC**	**AD + AE + AF**
Reach 1: Bayou Segnette	0.000	0.000	0.20	0.200	1.40	2.00	0%	2.00	96.60	22.70	71.0%	0.20	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	32	32.06
Reach 2: Bayou Segnette	0.000	0.000	1.50	1.500	1.00	2.00	0%	2.00	96.60	22.70	71.0%	1.50	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	172	171.76
Reach 3: Bayou Segnette	0.817	0.000	3.50	4.317	1.90	2.00	0%	2.00	96.60	22.70	71.0%	2.67	0.84	0.159	0.000	0.68	29	0	148	177.34	69	0	353	422.24
Reach 4: Bayou Segnette	1.049	0.000	1.50	2.549	1.70	2.00	0%	2.00	112.20	22.70	71.0%	2.16	0.20	0.082	0.000	0.12	16	0	26	42.07	157	0	266	423.09
Reach 5: Bayou Segnette	0.651	0.000	2.00	2.651	1.80	2.00	0%	2.00	128.00	22.70	71.0%	2.19	0.24	0.058	0.000	0.18	13	0	49	61.98	113	0	412	525.23
Reach 6: Bayou Segnette	0.000	0.000	1.50	1.500	1.20	2.00	0%	2.00	162.10	22.70	71.0%	1.50	0.00	0.000	0.000	0.00	0	0	0	0.00	0	0	346	345.86
Reach 7: Bayou Segnette	0.000	0.000	4.00	4.000	2.70	2.00	0%	2.00	68.30	22.70	71.0%	2.58	0.73	0.000	0.000	0.73	0	0	158	158.48	0	0	437	437.18
Reach 8: Bayou Segnette	0.000	0.000	2.50	2.500	2.60	2.00	0%	2.00	88.00	22.70	71.0%	2.15	0.18	0.000	0.000	0.18	0	0	49	49.16	0	0	542	542.41
Reach 9: Bayou Segnette	2.131	0.000	4.50	6.631	3.60	2.00	0%	2.00	78.20	22.70	71.0%	3.34	1.68	0.540	0.000	1.14	152	0	380	532.07	181	0	453	633.86
Reach 10: Bayou Segnette	1.944	0.000	3.00	4.944	1.50	2.00	0%	2.00	68.60	22.70	71.0%	2.85	1.07	0.420	0.000	0.65	43	0	79	122.15	81	0	148	228.95
Sub-Total												21.14					253	0	890	**1143**	601	0	3161	**3763**

Notes: Note 1, Data was calculated in and brought from the Calibration worksheet dataset.

Note 2, **J** = [(1 - **H**) x (**D** - **F**) + **F**]

Note 3, **K** = [(**J** - **F**) / (1 - MOS) + **F**]

Note 4, **Q** = **E** x **G** x **N** x $1.065^{(I-20)}$

Note 5, **V** = **S** x $1.065^{(I-20)}$

Note 6, **AC** = **E** x **G** x **Z** x $1.065^{(I-20)}$

EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) = [MOG + MOU] =	**20%**

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Winter TMDL Calculations for Point Source loads:

Bayou Segnette

Input data into the shaded cells.

Point Source Loading Calculations

Pt. Source / Facility Description and Reach #	Receiving Stream	Included in the Projection Model (Yes/No)	Anticipated/ design flow (cms)	Flow with MOS (cms)	Proposed Permit Limits			UCBOD				UNBOD				Sub-total of Point Source Loads		
					$CBOD_5$ (mg/l)	NH_3N (mg/l)	MOS (%)	Ultimate Conc. (mg/l) (2)	Loads (kg/day) (1)	WLA (kg/day)	Reserve/ MOS Load (kg/day)	Ultimate Conc. (mg/l) (2)	Loads (kg/day) (1)	WLA (kg/day)	Reserve/ MOS Load (kg/day)	Loads (kg/day)	WLA (kg/day)	Reserve/ MOS (kg/day)
			A	A1 = A/(1-D)	B	C	D	E = 2.3 x B	F = (86.4)(A1)(E)	G = (1-D) x F	H = (D)(F)	I	J = (86.4)(A1)(I)	K = (1-D) x J	L = (D)(J)	F + J	G + K	H + L
MASTER LUBE OF LA INC	Estelle Canal	No	4.38079E-05	5.47598E-05	22.5		20%	51.8	0.24	0.20	0.05	51.8	0.24	0.20	0.05	0.49	0.39	0.10
JEFFERSON PAR DEPT DRAINAGE PUMP STA	Bayou Segnette	No	3.50463E-06	4.38079E-06	22.5		20%	51.8	0.02	0.02	0.00	51.8	0.02	0.02	0.00	0.04	0.03	0.01
JEFFERSON PAR DEPT DRAINAGE PUMP STA	Bayou Segnette	No	3.50463E-06	4.38079E-06	22.5		20%	51.8	0.02	0.02	0.00	51.8	0.02	0.02	0.00	0.04	0.03	0.01
SUB-TOTAL Loads									**0.28**	**0.23**	**0.06**		**0.28**	**0.23**	**0.06**	**0.57**	**0.45**	**0.11**

(1) - Load(kg/day) = 86.4 x Ultimate Conc.(mg/l) x Modeled Flow(cms)

(2) - [UCBOD conc. = CBOD5(mg/l) x 2.3] and [UNBOD conc. = NH3N(mg/l) x 4.3]

The flows in the Point source table have been converted from cfs to cms. ALso CBODu was set rqual to half of the BOD times 2.3.

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

Winter TMDL calculations and Projection model calculations for Headwater / Tributary loads:

Bayou Segnette

Shaded cells are input values for calculations.
Values to be used in the projection models.

Headwater / Tributary load determinations

Headwater / Tributary Description and Reach #	Seasonal Critical flow (cms)	UCBOD (mg/l)	UNBOD (mg/l)	UCBOD (kg/day)	UNBOD (kg/day)	Background UCBOD conc. (mg/l)	Background UNBOD conc. (mg/l)	Background % Reduction	Background UCBOD Load (kg/day)	Background UNBOD Load (kg/day)	Percent reduction of Man-Made loads	UCBOD load adjusted for % Reduction (kg/day)	UNBOD load adjusted for % Reduction (kg/day)	Reduced UCBOD load adjusted for MOS (kg/day)	Reduced UNBOD load adjusted for MOS (kg/day)	Projection UCBOD input conc. (mg/l)	Projection UNBOD input conc. (mg/l)	Total MOS (kg/day)	Total LA (kg/day)
	A	B	C	D = (86.4)(A)(B)	E = (86.4)(A)(C)	F	G	H1	H = (1-H1) (86.4)(A)(F)	I = (1-H1) (86.4)(A)(G)	J	K = (D-H)(1-J) + H	L = (D-I)(1-J) + I	M = (K - H) / (1 - MOS) + H	N = (L - I) / (1 - MOS) + I	(M)/[(A)(86.4)]	(N)/[(A)(86.4)]	(M+N) - (K+L)	K + L
Westwego 2 Pump St	0.9	19.6	39.1	1524.87	3041.19	3.01	5.99	0%	233.72	466.12	71%	608.15	1212.89	701.76	1399.59	9.02	18.00	280.30	1,821.05
Outer Cat Canal N (outflow)		11.3	3.6			6.84	2.16	0%			71%								
Outer Cat Canal S	0.55	11.3	3.6	536.50	169.65	6.84	2.16	0%	324.93	102.75	71%	386.29	122.15	401.63	127.00	8.45	2.67	20.19	508.44
UCA North connection (outflow)		11.3	1.9			7.71	1.29	0%			71%								
UCA South connection	0.6	11.3	1.9	584.24	97.46	7.71	1.29	0%	399.86	66.70	71%	453.33	75.62	466.70	77.85	9.00	1.50	15.60	528.95
Storage area	0.28	11.8	2.3	285.22	54.43	7.56	1.44	0%	182.84	34.89	71%	212.53	40.56	219.95	41.98	9.09	1.74	8.84	253.09
Millaudon Canal N	0.35	12.3	3.2	371.95	95.56	7.16	1.84	0%	216.53	55.63	71%	261.60	67.21	272.87	70.10	9.02	2.32	14.16	328.81
Millaudon Canal S	0.7	12.3	3.2	743.90	191.12	7.16	1.84	0%	433.06	111.26	71%	523.21	134.42	545.74	140.21	9.02	2.32	28.33	657.62
Tarpapper Canal	0.4	10.9	1.8	376.70	61.52	7.74	1.26	0%	267.38	43.66	71%	299.08	48.84	307.01	50.14	8.88	1.45	9.22	347.92
Bayou Bardeaux North (outflow)		10.9	2.0			7.62	1.38	0%			71%								
Bayou Bardeaux South	6.54	10.9	2.0	6159.11	1118.81	7.62	1.38	0%	4303.73	781.78	71%	4841.79	879.52	4976.30	903.95	8.81	1.60	158.95	5,721.31
Drill hole to Lk Sal	0.01	10.9	2.0	9.42	1.71	7.62	1.38	0%	6.58	1.20	71%	7.40	1.34	7.61	1.38	8.81	1.60	0.24	8.75
Pipeline Canal	0.36	11.5	1.2	358.94	37.95	8.14	0.86	0%	253.17	26.77	71%	283.84	30.01	291.51	30.82	9.37	0.99	8.48	313.85
SUB-TOTAL TMDL LOADING				10,951	4,869				6,622	1,691		7,877	2,613	8,191	2,843			544	10,490

FILE: R:\PROJECTS\3110-051\LA-QUAL\SEGNETTE\REVISIONS\TMDL LOAD CALC FOR SEGNETTE-IMPROVED.XLS

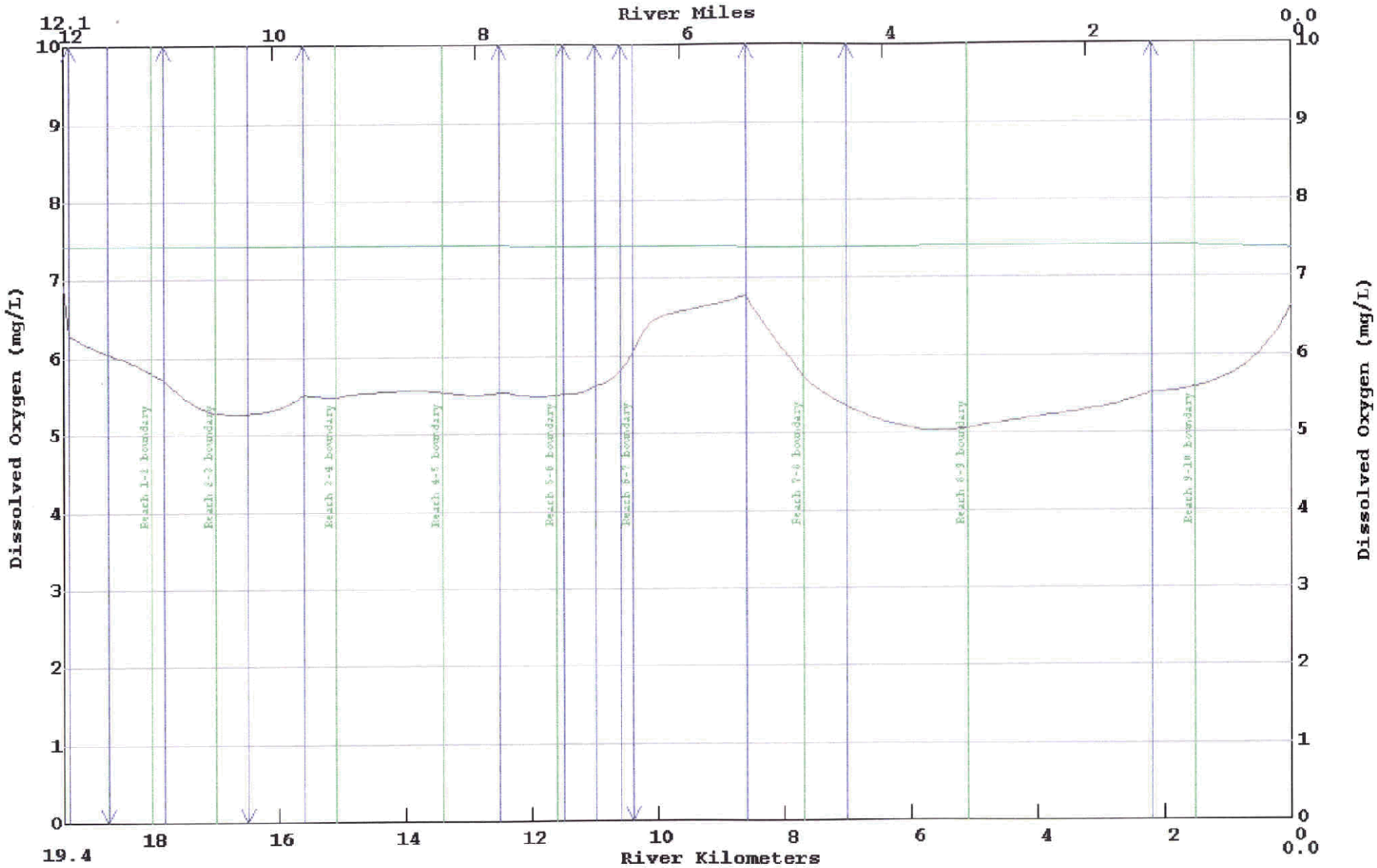
EXPLICIT MARGINS:

MARGIN OF SAFETY (MOS) (%) =	20%

APPENDIX R

Model Output for Projection Runs

LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\proj\summer\seg_sum-1.txt
Summer projection, meeting DO standards min= 5.03 max= 6.93
LA-QUAL simulation of Bayou Segnette (020701)



```
LA-QUAL Version 6.02
Louisiana Department of Environmental Quality

Input file is R:\projects\3110-051\la-qual\segnette\no pts source\proj\summer\seg_sum-1.txt
Output produced at 11:07 on 03/30/2004

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL simulation of Bayou Segnette (020701)
TITLE02         Summer projection, meeting DO standards
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  YES   CONSERVATIVE MATERIAL  I = Chloride                  IN mg/L      CL
MODOPT04  YES   CONSERVATIVE MATERIAL II = Conductivity              IN umhos     COND
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07   NO   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12  YES   NONCONSERVATIVE MATERIAL = Nitrogenous BOD             IN mg/L     NBOD
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         NCM OXYGEN UPTAKE RATE             =         1.00000 mg O/mg NCM
PROGRAM         KL MINIMUM                         =         0.93000 meters/day
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	BS	Bayou Segnette	19.40	TO	18.00	0.1000	1.40	14	1	14
REACH ID	2	BS	Bayou Segnette	18.00	TO	17.00	0.1000	1.00	10	15	24
REACH ID	3	BS	Bayou Segnette	17.00	TO	15.10	0.1000	1.90	19	25	43
REACH ID	4	BS	Bayou Segnette	15.10	TO	13.40	0.1000	1.70	17	44	60
REACH ID	5	BS	Bayou Segnette	13.40	TO	11.60	0.1000	1.80	18	61	78
REACH ID	6	BS	Bayou Segnette	11.60	TO	10.40	0.1000	1.20	12	79	90
REACH ID	7	BS	Bayou Segnette	10.40	TO	7.70	0.1000	2.70	27	91	117
REACH ID	8	BS	Bayou Segnette	7.70	TO	5.10	0.1000	2.60	26	118	143
REACH ID	9	BS	Bayou Segnette	5.10	TO	1.50	0.1000	3.60	36	144	179
REACH ID	10	BS	Bayou Segnette	1.50	TO	0.00	0.1000	1.50	15	180	194

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	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	2	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	3	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	4	BS	0.000	0.000	112.200	0.000	0.000	0.960	0.00000	0.000
HYDR-1	5	BS	0.000	0.000	128.000	0.000	0.000	0.970	0.00000	0.000
HYDR-1	6	BS	0.000	0.000	162.100	0.000	0.000	1.120	0.00000	0.000
HYDR-1	7	BS	0.000	0.000	68.300	0.000	0.000	0.830	0.00000	0.000
HYDR-1	8	BS	0.000	0.000	88.000	0.000	0.000	0.900	0.00000	0.000
HYDR-1	9	BS	0.000	0.000	78.200	0.000	0.000	1.140	0.00000	0.000
HYDR-1	10	BS	0.000	0.000	68.600	0.000	0.000	1.090	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"
HYDR	1	BS	0.00	8.000	0.000	0.000	0.000
HYDR	2	BS	0.00	8.000	0.000	0.000	0.000
HYDR	3	BS	0.00	8.000	0.000	0.000	0.000
HYDR	4	BS	0.00	8.000	0.000	0.000	0.000
HYDR	5	BS	0.00	8.000	0.000	0.000	0.000
HYDR	6	BS	0.00	8.000	0.000	0.000	0.000
HYDR	7	BS	0.00	11.000	0.000	0.000	0.000
HYDR	8	BS	0.00	14.000	0.000	0.000	0.000
HYDR	9	BS	0.00	17.000	0.000	0.000	0.000
HYDR	10	BS	0.00	20.000	0.000	0.000	0.000

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	BS	30.90	0.36	2.60	0.00	0.00	0.00	0.00	0.00
INITIAL	2	BS	30.90	0.36	2.82	0.00	0.00	0.00	0.00	0.00
INITIAL	3	BS	30.90	0.36	3.05	0.00	0.00	0.00	0.00	0.00
INITIAL	4	BS	30.90	0.37	3.68	0.00	0.00	0.00	0.00	0.00
INITIAL	5	BS	30.90	0.37	4.30	0.00	0.00	0.00	0.00	0.00
INITIAL	6	BS	30.90	0.51	4.80	0.00	0.00	0.00	0.00	0.00
INITIAL	7	BS	30.90	0.64	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	8	BS	30.90	1.04	5.07	0.00	0.00	0.00	0.00	0.00
INITIAL	9	BS	30.90	0.83	3.34	0.00	0.00	0.00	0.00	0.00
INITIAL	10	BS	30.90	0.83	3.34	0.00	0.00	0.00	0.00	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 BOD DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	BS	15 LOUISIANA	0.000	0.000	0.000	0.200	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	BS	15 LOUISIANA	0.000	0.000	0.000	1.320	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	BS	15 LOUISIANA	0.000	0.000	0.000	1.070	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	BS	15 LOUISIANA	0.000	0.000	0.000	0.780	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	BS	15 LOUISIANA	0.000	0.000	0.000	1.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	BS	15 LOUISIANA	0.000	0.000	0.000	1.320	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	BS	15 LOUISIANA	0.000	0.000	0.000	1.320	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	BS	15 LOUISIANA	0.000	0.000	0.000	1.320	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	BS	15 LOUISIANA	0.000	0.000	0.000	0.900	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	BS	15 LOUISIANA	0.000	0.000	0.000	0.800	0.060	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

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

ENDATA14

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

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

COEF-4           1   BS       0.000     0.250     0.000     0.000
COEF-4           2   BS       0.000     0.250     0.000     0.000
COEF-4           3   BS       0.000     0.130     0.000     0.000
COEF-4           4   BS       0.000     0.110     0.000     0.000
COEF-4           5   BS       0.000     0.110     0.000     0.000
COEF-4           6   BS       0.000     0.110     0.000     0.000
COEF-4           7   BS       0.000     0.110     0.000     0.000
COEF-4           8   BS       0.000     0.110     0.000     0.000
COEF-4           9   BS       0.000     0.110     0.000     0.000
COEF-4          10   BS       0.000     0.110     0.000     0.000
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	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	BS	46.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	BS	104.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	BS	75.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	BS	119.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	BS	53.00	0.00	0.00	0.00	0.00	0.00

ENDATA19

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

CARD TYPE	ELEMENT	NAME	UNIT	FLOW m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
HDWTR-1	1	Bayou Segnette	0	0.00000	0.000	0.00	0.00	0.000	0.000

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 Segnette	6.93	0.00	0.00	0.00	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
HDWTR-3	1	Bayou Segnette	0.00	0.00	0.00	0.00

ENDATA22

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

CARD TYPE	JUNCTION ELEMENT	UPSTRM ELEMENT	RIVER KILOM	NAME

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m³/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
WSTLD-1	1	19.40	Westwego 2 Pump Sta	0.90000	31.77966	20.543	30.90	0.37	84.400	718.000
WSTLD-1	7	18.80	Outer Cat Canal N	-0.26000	-9.18079	-5.935	0.00	0.00	0.000	0.000
WSTLD-1	16	17.90	Outer Cat Canal S	0.55000	19.42090	12.554	30.90	0.31	115.000	609.000
WSTLD-1	29	16.60	UCA North connection	-0.30000	-10.59322	-6.848	0.00	0.00	0.000	0.000
WSTLD-1	38	15.70	UCA South connection	0.60000	21.18644	13.695	30.90	0.41	154.000	788.000
WSTLD-1	69	12.60	Storage area	0.28000	9.88701	6.391	30.90	0.37	151.000	710.800
WSTLD-1	79	11.60	Millaudon Canal N	0.35000	12.35876	7.989	30.90	0.78	363.000	1475.000
WSTLD-1	84	11.10	Millaudon Canal S	0.70000	24.71751	15.978	30.90	0.78	363.000	1475.000
WSTLD-1	88	10.70	Tarpaper Canal	0.40000	14.12429	9.130	30.90	0.49	234.000	931.000
WSTLD-1	90	10.50	Bayou Bardeaux North	-8.65000	-305.43784	-197.439	0.00	0.00	0.000	0.000
WSTLD-1	108	8.70	Bayou Bardeaux South	6.54000	230.93221	149.277	30.90	0.53	310.000	1279.000
WSTLD-1	124	7.10	Drill hole to Lk Sal	0.01000	0.35311	0.228	30.90	0.53	310.000	1279.000
WSTLD-1	172	2.30	Pipeline Canal	0.36000	12.71187	8.217	30.90	0.64	304.000	1210.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD#2 mg/L
WSTLD-1	1	Westwego 2 Pump Sta	6.95	1.98	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	6.95	4.51	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	6.95	5.09	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	69	Storage area	6.95	4.99	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	79	Millaudon Canal N	6.95	4.73	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	84	Millaudon Canal S	6.95	4.73	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	88	Tarpaper Canal	6.95	5.11	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	6.95	5.03	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	124	Drill hole to Lk Sal	6.95	5.03	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	172	Pipeline Canal	6.95	5.37	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
WSTLD-1	1	Westwego 2 Pump Sta	0.00	0.00	0.00	3.96
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	0.00	0.00	0.00	1.43
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	0.00	0.00	0.00	0.85
WSTLD-1	69	Storage area	0.00	0.00	0.00	0.95
WSTLD-1	79	Millaudon Canal N	0.00	0.00	0.00	1.21
WSTLD-1	84	Millaudon Canal S	0.00	0.00	0.00	1.21
WSTLD-1	88	Tarpaper Canal	0.00	0.00	0.00	0.83
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	0.00	0.00	0.00	0.91
WSTLD-1	124	Drill hole to Lk Sal	0.00	0.00	0.00	0.91
WSTLD-1	172	Pipeline Canal	0.00	0.00	0.00	0.57

ENDATA26

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

CARD TYPE	CONSTITUENT		CONCENTRATION	
LOWER BC	TEMPERATURE	=	30.900	deg C
LOWER BC	SALINITY	=	1.830	ppt
LOWER BC	CONSERVATIVE MATERIAL I (Cl)	=	939.000	mg/L
LOWER BC	CONSERVATIVE MATERIAL II (Cond)	=	3369.000	umhos
LOWER BC	DISSOLVED OXYGEN	=	6.700	mg/L
LOWER BC	BIOCHEMICAL OXYGEN DEMAND (CBODu)	=	6.020	mg/L
LOWER BC	CHLOROPHYLL A	=	0.000	µg/L
LOWER BC	NONCONSERVATIVE MATERIAL (NBODu)	=	1.100	mg/L

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

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

OVERLAY 1 SEG5r.OVL
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 1 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11

CONDENSED CAPSULE SUMMARY FOR Bayou Segnette

DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORGN mg/L	NH3 µg/L	CHLA 1/da	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	0.00000	0.00	0.00	6.93	0.00	0.00	0.00	0.00	0.00							
19.30	0.90000	30.90	0.36	6.29	1.97	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.20	0.90000	30.90	0.36	6.24	1.98	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.10	0.90000	30.90	0.36	6.20	1.98	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
19.00	0.90000	30.90	0.36	6.16	1.99	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.90	0.90000	30.90	0.36	6.12	2.01	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.80	0.90000	30.90	0.36	6.09	2.03	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.70	0.64000	30.90	0.36	6.05	2.05	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.60	0.64000	30.90	0.36	6.02	2.08	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.50	0.64000	30.90	0.36	5.99	2.12	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.40	0.64000	30.90	0.36	5.96	2.16	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.30	0.64000	30.90	0.36	5.92	2.21	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.20	0.64000	30.90	0.36	5.88	2.26	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.10	0.64000	30.90	0.36	5.84	2.32	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
18.00	0.64000	30.90	0.36	5.80	2.39	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	0.40
17.90	0.64000	30.90	0.36	5.75	2.47	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.80	1.19000	30.90	0.36	5.71	2.56	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.70	1.19000	30.90	0.36	5.63	2.55	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.60	1.19000	30.90	0.36	5.55	2.54	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.50	1.19000	30.90	0.36	5.49	2.53	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.40	1.19000	30.90	0.36	5.43	2.53	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.30	1.19000	30.90	0.36	5.38	2.53	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.20	1.19000	30.90	0.36	5.34	2.53	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.10	1.19000	30.90	0.36	5.31	2.54	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
17.00	1.19000	30.90	0.36	5.29	2.55	0.00	0.00	0.00	0.00	0.90	0.12	0.00	0.00	0.00	0.00	2.62
16.90	1.19000	30.90	0.36	5.28	2.58	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.80	1.19000	30.90	0.36	5.28	2.60	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.70	1.19000	30.90	0.36	5.27	2.63	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.60	1.19000	30.90	0.36	5.27	2.66	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.50	0.89000	30.90	0.36	5.27	2.70	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.40	0.89000	30.90	0.36	5.28	2.74	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.30	0.89000	30.90	0.36	5.29	2.79	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.20	0.89000	30.90	0.36	5.30	2.84	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.10	0.89000	30.90	0.36	5.32	2.90	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
16.00	0.89000	30.90	0.37	5.35	2.97	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.90	0.89000	30.90	0.37	5.38	3.04	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13

15.80	0.89000	30.90	0.37	5.42	3.12	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.70	0.89000	30.90	0.37	5.47	3.21	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.60	1.49000	30.90	0.37	5.53	3.31	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.50	1.49000	30.90	0.37	5.51	3.31	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.40	1.49000	30.90	0.37	5.50	3.32	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.30	1.49000	30.90	0.37	5.49	3.32	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.20	1.49000	30.90	0.37	5.49	3.33	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.10	1.49000	30.90	0.37	5.49	3.34	0.00	0.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.00	2.13
15.00	1.49000	30.90	0.37	5.50	3.36	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.90	1.49000	30.90	0.37	5.51	3.38	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.80	1.49000	30.90	0.37	5.52	3.40	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.70	1.49000	30.90	0.37	5.53	3.42	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.60	1.49000	30.90	0.37	5.54	3.43	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.50	1.49000	30.90	0.37	5.54	3.45	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.40	1.49000	30.90	0.37	5.55	3.47	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.30	1.49000	30.90	0.37	5.56	3.48	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.20	1.49000	30.90	0.37	5.56	3.50	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.10	1.49000	30.90	0.37	5.56	3.52	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
14.00	1.49000	30.90	0.37	5.57	3.53	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.90	1.49000	30.90	0.37	5.57	3.55	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.80	1.49000	30.90	0.37	5.57	3.56	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.70	1.49000	30.90	0.37	5.56	3.58	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.60	1.49000	30.90	0.37	5.56	3.59	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.50	1.49000	30.90	0.37	5.55	3.60	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.40	1.49000	30.90	0.37	5.54	3.61	0.00	0.00	0.00	0.00	1.18	0.10	0.00	0.00	0.00	0.00	1.55
13.30	1.49000	30.90	0.38	5.53	3.62	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
13.20	1.49000	30.90	0.39	5.52	3.63	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
13.10	1.49000	30.90	0.39	5.51	3.65	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
13.00	1.49000	30.90	0.40	5.51	3.66	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.90	1.49000	30.90	0.41	5.50	3.68	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.80	1.49000	30.90	0.42	5.51	3.70	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.70	1.49000	30.90	0.42	5.51	3.73	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.60	1.49000	30.90	0.43	5.52	3.75	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.50	1.77000	30.90	0.44	5.54	3.79	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.40	1.77000	30.90	0.45	5.53	3.79	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.30	1.77000	30.90	0.46	5.51	3.80	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.20	1.77000	30.90	0.46	5.50	3.81	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.10	1.77000	30.90	0.47	5.50	3.82	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
12.00	1.77000	30.90	0.48	5.49	3.83	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
11.90	1.77000	30.90	0.49	5.49	3.85	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
11.80	1.77000	30.90	0.49	5.49	3.87	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
11.70	1.77000	30.90	0.50	5.49	3.89	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
11.60	1.77000	30.90	0.51	5.50	3.92	0.00	0.00	0.00	0.00	1.17	0.10	0.00	0.00	0.00	0.00	1.99
11.50	2.12000	30.90	0.52	5.52	3.95	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
11.40	2.12000	30.90	0.53	5.51	3.96	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
11.30	2.12000	30.90	0.54	5.51	3.98	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
11.20	2.12000	30.90	0.55	5.53	4.01	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
11.10	2.12000	30.90	0.56	5.57	4.05	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
11.00	2.82000	30.90	0.57	5.62	4.10	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.90	2.82000	30.90	0.59	5.64	4.14	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.80	2.82000	30.90	0.60	5.67	4.19	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.70	2.82000	30.90	0.61	5.73	4.25	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.60	3.22000	30.90	0.62	5.82	4.33	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.50	3.22000	30.90	0.63	5.91	4.42	0.00	0.00	0.00	0.00	1.01	0.10	0.00	0.00	0.00	0.00	2.62
10.40	-5.43000	30.90	0.64	6.04	4.52	0.00	0.00	0.00	0.00	1.19	0.10	0.00	0.00	0.00	0.00	2.62
10.30	-5.43000	30.90	0.65	6.21	4.65	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62

10.20	-5.43000	30.90	0.67	6.36	4.77	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
10.10	-5.43000	30.90	0.68	6.44	4.83	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
10.00	-5.43000	30.90	0.70	6.49	4.87	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.90	-5.43000	30.90	0.71	6.52	4.89	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.80	-5.43000	30.90	0.73	6.54	4.91	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.70	-5.43000	30.90	0.74	6.56	4.92	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.60	-5.43000	30.90	0.76	6.58	4.92	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.50	-5.43000	30.90	0.77	6.60	4.93	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.40	-5.43000	30.90	0.79	6.62	4.94	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.30	-5.43000	30.90	0.80	6.63	4.94	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.20	-5.43000	30.90	0.82	6.65	4.95	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.10	-5.43000	30.90	0.83	6.67	4.96	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
9.00	-5.43000	30.90	0.85	6.69	4.96	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
8.90	-5.43000	30.90	0.86	6.71	4.97	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
8.80	-5.43000	30.90	0.88	6.73	4.97	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
8.70	-5.43000	30.90	0.89	6.75	4.98	0.00	0.00	0.00	0.00	2.99	0.10	0.00	0.00	0.00	0.00	2.62
8.60	1.11000	30.90	0.91	6.77	4.99	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.50	1.11000	30.90	0.92	6.64	4.95	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.40	1.11000	30.90	0.94	6.52	4.92	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.30	1.11000	30.90	0.95	6.40	4.88	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.20	1.11000	30.90	0.97	6.28	4.84	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.10	1.11000	30.90	0.98	6.17	4.80	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
8.00	1.11000	30.90	1.00	6.06	4.76	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
7.90	1.11000	30.90	1.01	5.96	4.71	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
7.80	1.11000	30.90	1.03	5.85	4.67	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
7.70	1.11000	30.90	1.04	5.74	4.62	0.00	0.00	0.00	0.00	1.39	0.10	0.00	0.00	0.00	0.00	2.62
7.60	1.11000	30.90	1.03	5.66	4.58	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.50	1.11000	30.90	1.02	5.60	4.54	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.40	1.11000	30.90	1.02	5.54	4.51	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.30	1.11000	30.90	1.01	5.49	4.48	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.20	1.11000	30.90	1.00	5.44	4.45	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.10	1.11000	30.90	0.99	5.39	4.42	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
7.00	1.12000	30.90	0.98	5.35	4.39	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.90	1.12000	30.90	0.98	5.31	4.37	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.80	1.12000	30.90	0.97	5.27	4.34	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.70	1.12000	30.90	0.96	5.24	4.31	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.60	1.12000	30.90	0.95	5.21	4.29	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.50	1.12000	30.90	0.94	5.18	4.26	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.40	1.12000	30.90	0.94	5.15	4.24	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.30	1.12000	30.90	0.93	5.13	4.21	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.20	1.12000	30.90	0.92	5.11	4.19	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.10	1.12000	30.90	0.91	5.09	4.17	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
6.00	1.12000	30.90	0.90	5.07	4.15	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.90	1.12000	30.90	0.89	5.06	4.13	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.80	1.12000	30.90	0.89	5.05	4.12	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.70	1.12000	30.90	0.88	5.04	4.10	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.60	1.12000	30.90	0.87	5.04	4.09	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.50	1.12000	30.90	0.86	5.03	4.08	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.40	1.12000	30.90	0.85	5.03	4.07	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.30	1.12000	30.90	0.85	5.04	4.06	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.20	1.12000	30.90	0.84	5.05	4.06	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.10	1.12000	30.90	0.83	5.06	4.06	0.00	0.00	0.00	0.00	1.26	0.10	0.00	0.00	0.00	0.00	2.62
5.00	1.12000	30.90	0.83	5.08	4.06	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.90	1.12000	30.90	0.83	5.10	4.06	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.80	1.12000	30.90	0.83	5.11	4.07	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.70	1.12000	30.90	0.83	5.12	4.07	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79

4.60	1.12000	30.90	0.83	5.13	4.07	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.50	1.12000	30.90	0.83	5.15	4.08	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.40	1.12000	30.90	0.83	5.16	4.08	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.30	1.12000	30.90	0.83	5.17	4.09	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.20	1.12000	30.90	0.83	5.18	4.09	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.10	1.12000	30.90	0.83	5.19	4.10	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
4.00	1.12000	30.90	0.83	5.20	4.11	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.90	1.12000	30.90	0.83	5.22	4.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.80	1.12000	30.90	0.83	5.23	4.12	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.70	1.12000	30.90	0.83	5.24	4.13	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.60	1.12000	30.90	0.83	5.25	4.14	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.50	1.12000	30.90	0.83	5.26	4.16	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.40	1.12000	30.90	0.83	5.27	4.17	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.30	1.12000	30.90	0.83	5.29	4.18	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.20	1.12000	30.90	0.83	5.30	4.20	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.10	1.12000	30.90	0.83	5.32	4.22	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
3.00	1.12000	30.90	0.83	5.33	4.23	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.90	1.12000	30.90	0.83	5.35	4.25	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.80	1.12000	30.90	0.83	5.37	4.28	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.70	1.12000	30.90	0.83	5.38	4.30	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.60	1.12000	30.90	0.83	5.41	4.33	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.50	1.12000	30.90	0.83	5.43	4.36	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.40	1.12000	30.90	0.83	5.46	4.39	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.30	1.12000	30.90	0.83	5.49	4.42	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.20	1.48000	30.90	0.83	5.52	4.46	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.10	1.48000	30.90	0.83	5.52	4.48	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
2.00	1.48000	30.90	0.83	5.53	4.50	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.90	1.48000	30.90	0.83	5.53	4.52	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.80	1.48000	30.90	0.83	5.54	4.54	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.70	1.48000	30.90	0.83	5.55	4.57	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.60	1.48000	30.90	0.83	5.57	4.61	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.50	1.48000	30.90	0.83	5.59	4.64	0.00	0.00	0.00	0.00	1.00	0.10	0.00	0.00	0.00	0.00	1.79
1.40	1.48000	30.90	0.90	5.61	4.68	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
1.30	1.48000	30.90	0.96	5.63	4.73	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
1.20	1.48000	30.90	1.03	5.66	4.78	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
1.10	1.48000	30.90	1.10	5.69	4.83	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
1.00	1.48000	30.90	1.16	5.73	4.89	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.90	1.48000	30.90	1.23	5.77	4.95	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.80	1.48000	30.90	1.30	5.82	5.03	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.70	1.48000	30.90	1.36	5.88	5.10	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.60	1.48000	30.90	1.43	5.95	5.19	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.50	1.48000	30.90	1.50	6.02	5.29	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.40	1.48000	30.90	1.56	6.11	5.39	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.30	1.48000	30.90	1.63	6.21	5.51	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.20	1.48000	30.90	1.70	6.32	5.64	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.10	1.48000	30.90	1.76	6.46	5.78	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59
0.00	1.48000	30.90	1.83	6.61	5.93	0.00	0.00	0.00	0.00	1.06	0.10	0.00	0.00	0.00	0.00	1.59

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
1	HDWTR	0.00000	0.00	0.00	0.00	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	WSTLD	0.90000	30.90	0.37	84.40	718.00	6.95	1.98	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96
7	WSTLD	-0.26000	30.90	0.36	91.33	697.79	6.05	2.05	0.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	19.40	19.30	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
2	19.30	19.20	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
3	19.20	19.10	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
4	19.10	19.00	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
5	19.00	18.90	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
6	18.90	18.80	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
7	18.80	18.70	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
8	18.70	18.60	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
9	18.60	18.50	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
10	18.50	18.40	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
11	18.40	18.30	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
12	18.30	18.20	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
13	18.20	18.10	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
14	18.10	18.00	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
TOT						2.70			170402.39	135240.00					
AVG					0.00600		1.26	96.60			121.72				
CUM						2.70									

********** 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	19.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
2	19.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
3	19.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
4	19.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
5	18.900	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
6	18.800	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
7	18.700	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
8	18.600	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
9	18.500	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
10	18.400	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00

11	18.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
12	18.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
13	18.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
14	18.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
AVG 20 DEG C RATE			0.74	0.07	0.00	0.00	0.00	0.00	0.00	0.20			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
1	19.300	30.90	0.36	88.48	706.11	6.29	1.97	0.00	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.43
2	19.200	30.90	0.36	88.86	705.01	6.24	1.98	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.31
3	19.100	30.90	0.36	89.27	703.81	6.20	1.98	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.19
4	19.000	30.90	0.36	89.72	702.50	6.16	1.99	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.08
5	18.900	30.90	0.36	90.21	701.06	6.12	2.01	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.97
6	18.800	30.90	0.36	90.75	699.50	6.09	2.03	0.00	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.87
7	18.700	30.90	0.36	91.33	697.79	6.05	2.05	0.00	2.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.78
8	18.600	30.90	0.36	91.97	695.92	6.02	2.08	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.69
9	18.500	30.90	0.36	92.66	693.93	5.99	2.12	0.00	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.60
10	18.400	30.90	0.36	93.38	691.80	5.96	2.16	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.52
11	18.300	30.90	0.36	94.16	689.54	5.92	2.21	0.00	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.45
12	18.200	30.90	0.36	94.99	687.13	5.88	2.26	0.00	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.39
13	18.100	30.90	0.36	95.87	684.56	5.84	2.32	0.00	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
14	18.000	30.90	0.36	96.81	681.83	5.80	2.39	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.28

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 2 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
15	UPR RCH	0.64000	30.90	0.36	96.81	681.83	5.80	2.39	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28
16	WSTLD	0.55000	30.90	0.31	115.00	609.00	6.95	4.51	0.00	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43

********** 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
15	18.00	17.90	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
16	17.90	17.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
17	17.80	17.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
18	17.70	17.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
19	17.60	17.50	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
20	17.50	17.40	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010

21	17.40	17.30	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
22	17.30	17.20	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
23	17.20	17.10	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
24	17.10	17.00	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
TOT						1.29			121716.01	96600.00					
AVG					0.00900		1.26	96.60			121.72				
CUM						3.99									

********** 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
15	17.900	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
16	17.800	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
17	17.700	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
18	17.600	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
19	17.500	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
20	17.400	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
21	17.300	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
22	17.200	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
23	17.100	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
24	17.000	7.43	0.90	0.12	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
AVG 20 DEG C RATE			0.74	0.07	0.00	0.00	0.00	0.00	0.00	1.32			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
15	17.900	30.90	0.36	97.81	678.91	5.75	2.47	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.23
16	17.800	30.90	0.36	98.87	675.80	5.71	2.56	0.00	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.19
17	17.700	30.90	0.36	99.10	676.26	5.63	2.55	0.00	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.14
18	17.600	30.90	0.36	99.35	676.77	5.55	2.54	0.00	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
19	17.500	30.90	0.36	99.63	677.35	5.49	2.53	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
20	17.400	30.90	0.36	99.95	678.00	5.43	2.53	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
21	17.300	30.90	0.36	100.31	678.73	5.38	2.53	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
22	17.200	30.90	0.36	100.71	679.55	5.34	2.53	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.95
23	17.100	30.90	0.36	101.16	680.46	5.31	2.54	0.00	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.92
24	17.000	30.90	0.36	101.67	681.49	5.29	2.55	0.00	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.90

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
25	UPR RCH	1.19000	30.90	0.36	101.67	681.49	5.29	2.55	0.00	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90
29	WSTLD	-0.30000	30.90	0.36	105.28	688.86	5.27	2.70	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79
38	WSTLD	0.60000	30.90	0.41	154.00	788.00	6.95	5.09	0.00	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85

********** 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
25	17.00	16.90	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
26	16.90	16.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
27	16.80	16.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
28	16.70	16.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
29	16.60	16.50	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
30	16.50	16.40	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
31	16.40	16.30	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
32	16.30	16.20	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
33	16.20	16.10	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
34	16.10	16.00	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
35	16.00	15.90	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
36	15.90	15.80	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
37	15.80	15.70	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
38	15.70	15.60	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
39	15.60	15.50	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
40	15.50	15.40	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
41	15.40	15.30	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
42	15.30	15.20	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
43	15.20	15.10	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
TOT						2.47			231260.36	183540.00					
AVG					0.00892		1.26	96.60			121.72				
CUM						6.45									

********** 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
25	16.900	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
26	16.800	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
27	16.700	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
28	16.600	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
29	16.500	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00

30	16.400	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
31	16.300	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
32	16.200	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
33	16.100	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
34	16.000	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
35	15.900	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
36	15.800	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
37	15.700	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
38	15.600	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
39	15.500	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
40	15.400	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
41	15.300	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
42	15.200	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
43	15.100	7.43	0.90	0.10	0.00	0.00	0.00	0.00	0.00	2.13	2.13	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00
AVG 20 DEG C RATE			0.74	0.06	0.00	0.00	0.00	0.00	0.00	1.07			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.13	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
25	16.900	30.90	0.36	102.23	682.65	5.28	2.58	0.00	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
26	16.800	30.90	0.36	102.87	683.94	5.28	2.60	0.00	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
27	16.700	30.90	0.36	103.58	685.40	5.27	2.63	0.00	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.83
28	16.600	30.90	0.36	104.38	687.03	5.27	2.66	0.00	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
29	16.500	30.90	0.36	105.28	688.86	5.27	2.70	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
30	16.400	30.90	0.36	106.29	690.92	5.28	2.74	0.00	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
31	16.300	30.90	0.36	107.39	693.16	5.29	2.79	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.76
32	16.200	30.90	0.36	108.59	695.61	5.30	2.84	0.00	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.74
33	16.100	30.90	0.36	109.91	698.28	5.32	2.90	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.73
34	16.000	30.90	0.37	111.34	701.20	5.35	2.97	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
35	15.900	30.90	0.37	112.90	704.38	5.38	3.04	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
36	15.800	30.90	0.37	114.60	707.85	5.42	3.12	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
37	15.700	30.90	0.37	116.47	711.64	5.47	3.21	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.69
38	15.600	30.90	0.37	118.50	715.78	5.53	3.31	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.68
39	15.500	30.90	0.37	118.52	715.85	5.51	3.31	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.67
40	15.400	30.90	0.37	118.56	715.92	5.50	3.32	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.66
41	15.300	30.90	0.37	118.60	716.01	5.49	3.32	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.65
42	15.200	30.90	0.37	118.64	716.11	5.49	3.33	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
43	15.100	30.90	0.37	118.69	716.22	5.49	3.34	0.00	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.62

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
44	UPR RCH	1.49000	30.90	0.37	118.69	716.22	5.49	3.34	0.00	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62

********** 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
44	15.10	15.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
45	15.00	14.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
46	14.90	14.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
47	14.80	14.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
48	14.70	14.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
49	14.60	14.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
50	14.50	14.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
51	14.40	14.30	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
52	14.30	14.20	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
53	14.20	14.10	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
54	14.10	14.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
55	14.00	13.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
56	13.90	13.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
57	13.80	13.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
58	13.70	13.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
59	13.60	13.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
60	13.50	13.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
TOT						1.42			183110.42	190740.00					
AVG					0.01383		0.96	112.20			107.71				
CUM						7.87									

********** 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
44	15.000	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
45	14.900	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
46	14.800	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
47	14.700	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
48	14.600	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
49	14.500	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
50	14.400	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
51	14.300	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
52	14.200	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00

53	14.100	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
54	14.000	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
55	13.900	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
56	13.800	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
57	13.700	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
58	13.600	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
59	13.500	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
60	13.400	7.43	1.18	0.10	0.00	0.00	0.00	0.00	0.00	1.55	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.97	0.06	0.00	0.00	0.00	0.00	0.00	0.78			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
44	15.000	30.90	0.37	118.75	716.36	5.50	3.36	0.00	3.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61
45	14.900	30.90	0.37	118.83	716.54	5.51	3.38	0.00	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
46	14.800	30.90	0.37	118.92	716.74	5.52	3.40	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
47	14.700	30.90	0.37	119.02	716.98	5.53	3.42	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
48	14.600	30.90	0.37	119.15	717.26	5.54	3.43	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
49	14.500	30.90	0.37	119.29	717.59	5.54	3.45	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.56
50	14.400	30.90	0.37	119.46	717.98	5.55	3.47	0.00	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.56
51	14.300	30.90	0.37	119.66	718.43	5.56	3.48	0.00	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.55
52	14.200	30.90	0.37	119.90	718.96	5.56	3.50	0.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.54
53	14.100	30.90	0.37	120.17	719.59	5.56	3.52	0.00	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.53
54	14.000	30.90	0.37	120.49	720.32	5.57	3.53	0.00	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.52
55	13.900	30.90	0.37	120.87	721.18	5.57	3.55	0.00	3.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.51
56	13.800	30.90	0.37	121.31	722.19	5.57	3.56	0.00	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.51
57	13.700	30.90	0.37	121.83	723.37	5.56	3.58	0.00	3.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.50
58	13.600	30.90	0.37	122.44	724.75	5.56	3.59	0.00	3.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
59	13.500	30.90	0.37	123.16	726.38	5.55	3.60	0.00	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
60	13.400	30.90	0.37	124.00	728.29	5.54	3.61	0.00	3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.48

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 5 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
61	UPR RCH	1.49000	30.90	0.37	124.00	728.29	5.54	3.61	0.00	3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48
69	WSTLD	0.28000	30.90	0.37	151.00	710.80	6.95	4.99	0.00	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95

********** 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
61	13.40	13.30	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
62	13.30	13.20	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
63	13.20	13.10	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
64	13.10	13.00	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
65	13.00	12.90	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
66	12.90	12.80	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
67	12.80	12.70	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
68	12.70	12.60	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
69	12.60	12.50	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
70	12.50	12.40	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
71	12.40	12.30	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
72	12.30	12.20	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
73	12.20	12.10	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
74	12.10	12.00	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
75	12.00	11.90	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
76	11.90	11.80	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
77	11.80	11.70	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
78	11.70	11.60	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
TOT						1.58			223488.00	230400.00					
AVG					0.01316		0.97	128.00			124.16				
CUM						9.46									

********** 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
61	13.300	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
62	13.200	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
63	13.100	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
64	13.000	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
65	12.900	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
66	12.800	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
67	12.700	7.43	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
68	12.600	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
69	12.500	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
70	12.400	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
71	12.300	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
72	12.200	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
73	12.100	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
74	12.000	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
75	11.900	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
76	11.800	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
77	11.700	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
78	11.600	7.42	1.17	0.10	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.96	0.06	0.00	0.00	0.00	0.00	0.00	1.00			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
61	13.300	30.90	0.38	124.91	730.36	5.53	3.62	0.00	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.48
62	13.200	30.90	0.39	125.90	732.61	5.52	3.63	0.00	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
63	13.100	30.90	0.39	127.04	735.20	5.51	3.65	0.00	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
64	13.000	30.90	0.40	128.35	738.18	5.51	3.66	0.00	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
65	12.900	30.90	0.41	129.85	741.60	5.50	3.68	0.00	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
66	12.800	30.90	0.42	131.59	745.54	5.51	3.70	0.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
67	12.700	30.90	0.42	133.58	750.07	5.51	3.73	0.00	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.48
68	12.600	30.90	0.43	135.87	755.27	5.52	3.75	0.00	3.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.48
69	12.500	30.90	0.44	138.50	761.26	5.54	3.79	0.00	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
70	12.400	30.90	0.45	141.18	769.57	5.53	3.79	0.00	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
71	12.300	30.90	0.46	144.33	779.36	5.51	3.80	0.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
72	12.200	30.90	0.46	148.05	790.90	5.50	3.81	0.00	3.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
73	12.100	30.90	0.47	152.43	804.49	5.50	3.82	0.00	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.50
74	12.000	30.90	0.48	157.59	820.50	5.49	3.83	0.00	3.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.51
75	11.900	30.90	0.49	163.66	839.36	5.49	3.85	0.00	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.52
76	11.800	30.90	0.49	170.82	861.59	5.49	3.87	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.53
77	11.700	30.90	0.50	179.26	887.77	5.49	3.89	0.00	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.55
78	11.600	30.90	0.51	189.20	918.63	5.50	3.92	0.00	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 6 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
79	UPR RCH	1.77000	30.90	0.51	189.20	918.63	5.50	3.92	0.00	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57
79	WSTLD	0.35000	30.90	0.78	363.00	1475.00	6.95	4.73	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21
84	WSTLD	0.70000	30.90	0.78	363.00	1475.00	6.95	4.73	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21
88	WSTLD	0.40000	30.90	0.49	234.00	931.00	6.95	5.11	0.00	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
90	WSTLD	-8.65000	30.90	0.64	274.77	1171.27	6.04	4.52	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76

********** 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
79	11.60	11.50	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
80	11.50	11.40	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
81	11.40	11.30	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
82	11.30	11.20	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
83	11.20	11.10	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012

84	11.10	11.00	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
85	11.00	10.90	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
86	10.90	10.80	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
87	10.80	10.70	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
88	10.70	10.60	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
89	10.60	10.50	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
90	10.50	10.40	-5.43000	100.0	-0.02991	-0.04	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.030
TOT						0.89			217862.42	194520.02					
AVG					0.01569		1.12	162.10			181.55				
CUM						10.34									

********** 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
79	11.500	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
80	11.400	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
81	11.300	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
82	11.200	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
83	11.100	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
84	11.000	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
85	10.900	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
86	10.800	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
87	10.700	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
88	10.600	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
89	10.500	7.42	1.01	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
90	10.400	7.42	1.19	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.84	0.06	0.00	0.00	0.00	0.00	0.00	1.32			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
79	11.500	30.90	0.52	198.71	948.15	5.52	3.95	0.00	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
80	11.400	30.90	0.53	203.92	963.91	5.51	3.96	0.00	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
81	11.300	30.90	0.54	209.89	981.98	5.51	3.98	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61
82	11.200	30.90	0.55	216.73	1002.68	5.53	4.01	0.00	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
83	11.100	30.90	0.56	224.57	1026.40	5.57	4.05	0.00	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.65
84	11.000	30.90	0.57	233.56	1053.58	5.62	4.10	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.67
85	10.900	30.90	0.59	237.61	1064.42	5.64	4.14	0.00	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.68
86	10.800	30.90	0.60	242.46	1077.36	5.67	4.19	0.00	4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.69
87	10.700	30.90	0.61	248.24	1092.82	5.73	4.25	0.00	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
88	10.600	30.90	0.62	255.15	1111.27	5.82	4.33	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
89	10.500	30.90	0.63	263.98	1138.28	5.91	4.42	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.73
90	10.400	30.90	0.64	274.77	1171.27	6.04	4.52	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.76

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
91	UPR RCH	-5.43000	30.90	0.64	274.77	1171.27	6.04	4.52	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76
108	WSTLD	6.54000	30.90	0.53	310.00	1279.00	6.95	5.03	0.00	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91

********** 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
91	10.40	10.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
92	10.30	10.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
93	10.20	10.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
94	10.10	10.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
95	10.00	9.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
96	9.90	9.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
97	9.80	9.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
98	9.70	9.60	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
99	9.60	9.50	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
100	9.50	9.40	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
101	9.40	9.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
102	9.30	9.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
103	9.20	9.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
104	9.10	9.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
105	9.00	8.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
106	8.90	8.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
107	8.80	8.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
108	8.70	8.60	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
109	8.60	8.50	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
110	8.50	8.40	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
111	8.40	8.30	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
112	8.30	8.20	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
113	8.20	8.10	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
114	8.10	8.00	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
115	8.00	7.90	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
116	7.90	7.80	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
117	7.80	7.70	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
TOT						0.39			153060.30	184410.02					
AVG					0.08102		0.83	68.30			56.69				
CUM						10.73									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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
91	10.300	7.42	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
92	10.200	7.42	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
93	10.100	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
94	10.000	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
95	9.900	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
96	9.800	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
97	9.700	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
98	9.600	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
99	9.500	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
100	9.400	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
101	9.300	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
102	9.200	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
103	9.100	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
104	9.000	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
105	8.900	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
106	8.800	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
107	8.700	7.41	2.99	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
108	8.600	7.41	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
109	8.500	7.41	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
110	8.400	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
111	8.300	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
112	8.200	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
113	8.100	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
114	8.000	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
115	7.900	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
116	7.800	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
117	7.700	7.40	1.39	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			1.96	0.06	0.00	0.00	0.00	0.00	0.00	1.32			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
91	10.300	30.90	0.65	286.88	1208.30	6.21	4.65	0.00	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
92	10.200	30.90	0.67	297.65	1241.25	6.36	4.77	0.00	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.82
93	10.100	30.90	0.68	303.41	1258.86	6.44	4.83	0.00	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
94	10.000	30.90	0.70	306.49	1268.28	6.49	4.87	0.00	4.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
95	9.900	30.90	0.71	308.14	1273.31	6.52	4.89	0.00	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
96	9.800	30.90	0.73	309.02	1276.00	6.54	4.91	0.00	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
97	9.700	30.90	0.74	309.49	1277.44	6.56	4.92	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.86
98	9.600	30.90	0.76	309.74	1278.21	6.58	4.92	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
99	9.500	30.90	0.77	309.87	1278.62	6.60	4.93	0.00	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
100	9.400	30.90	0.79	309.95	1278.84	6.62	4.94	0.00	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
101	9.300	30.90	0.80	309.98	1278.96	6.63	4.94	0.00	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
102	9.200	30.90	0.82	310.01	1279.02	6.65	4.95	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88

103	9.100	30.90	0.83	310.02	1279.05	6.67	4.96	0.00	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
104	9.000	30.90	0.85	310.02	1279.07	6.69	4.96	0.00	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
105	8.900	30.90	0.86	310.03	1279.08	6.71	4.97	0.00	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
106	8.800	30.90	0.88	310.03	1279.09	6.73	4.97	0.00	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
107	8.700	30.90	0.89	310.03	1279.09	6.75	4.98	0.00	4.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
108	8.600	30.90	0.91	310.03	1279.09	6.77	4.99	0.00	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.89
109	8.500	30.90	0.92	310.06	1279.19	6.64	4.95	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.88
110	8.400	30.90	0.94	310.10	1279.30	6.52	4.92	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.87
111	8.300	30.90	0.95	310.14	1279.44	6.40	4.88	0.00	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
112	8.200	30.90	0.97	310.19	1279.60	6.28	4.84	0.00	4.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.84
113	8.100	30.90	0.98	310.25	1279.78	6.17	4.80	0.00	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.82
114	8.000	30.90	1.00	310.32	1280.01	6.06	4.76	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.81
115	7.900	30.90	1.01	310.40	1280.27	5.96	4.71	0.00	4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
116	7.800	30.90	1.03	310.49	1280.57	5.85	4.67	0.00	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.77
117	7.700	30.90	1.04	310.61	1280.93	5.74	4.62	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 8 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
118	UPR RCH	1.11000	30.90	1.04	310.61	1280.93	5.74	4.62	0.00	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75
124	WSTLD	0.01000	30.90	0.53	310.00	1279.00	6.95	5.03	0.00	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91

********** 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
118	7.70	7.60	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
119	7.60	7.50	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
120	7.50	7.40	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
121	7.40	7.30	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
122	7.30	7.20	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
123	7.20	7.10	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
124	7.10	7.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
125	7.00	6.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
126	6.90	6.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
127	6.80	6.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
128	6.70	6.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
129	6.60	6.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
130	6.50	6.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
131	6.40	6.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
132	6.30	6.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
133	6.20	6.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
134	6.10	6.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
135	6.00	5.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
136	5.90	5.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
137	5.80	5.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014

138	5.70	5.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
139	5.60	5.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
140	5.50	5.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
141	5.40	5.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
142	5.30	5.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
143	5.20	5.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
TOT						2.13			205919.98	228800.00					
AVG					0.01411		0.90	88.00			79.20				
CUM						12.86									

********** 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
118	7.600	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
119	7.500	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
120	7.400	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
121	7.300	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
122	7.200	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
123	7.100	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
124	7.000	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
125	6.900	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
126	6.800	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
127	6.700	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
128	6.600	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
129	6.500	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
130	6.400	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
131	6.300	7.40	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
132	6.200	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
133	6.100	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
134	6.000	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
135	5.900	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
136	5.800	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
137	5.700	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
138	5.600	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
139	5.500	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
140	5.400	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
141	5.300	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
142	5.200	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
143	5.100	7.41	1.26	0.10	0.00	0.00	0.00	0.00	0.00	2.62	2.62	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			1.03	0.06	0.00	0.00	0.00	0.00	0.00	1.32			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
118	7.600	30.90	1.03	310.70	1281.24	5.66	4.58	0.00	4.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.74
119	7.500	30.90	1.02	310.79	1281.51	5.60	4.54	0.00	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.72
120	7.400	30.90	1.02	310.88	1281.80	5.54	4.51	0.00	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.71
121	7.300	30.90	1.01	310.98	1282.13	5.49	4.48	0.00	4.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
122	7.200	30.90	1.00	311.10	1282.49	5.44	4.45	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.69
123	7.100	30.90	0.99	311.22	1282.89	5.39	4.42	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.68
124	7.000	30.90	0.98	311.36	1283.32	5.35	4.39	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.67
125	6.900	30.90	0.98	311.51	1283.80	5.31	4.37	0.00	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.66
126	6.800	30.90	0.97	311.68	1284.33	5.27	4.34	0.00	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.65
127	6.700	30.90	0.96	311.86	1284.92	5.24	4.31	0.00	4.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.64
128	6.600	30.90	0.95	312.06	1285.56	5.21	4.29	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
129	6.500	30.90	0.94	312.28	1286.27	5.18	4.26	0.00	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.62
130	6.400	30.90	0.94	312.53	1287.05	5.15	4.24	0.00	4.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.61
131	6.300	30.90	0.93	312.80	1287.91	5.13	4.21	0.00	4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
132	6.200	30.90	0.92	313.10	1288.85	5.11	4.19	0.00	4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.59
133	6.100	30.90	0.91	313.42	1289.90	5.09	4.17	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.58
134	6.000	30.90	0.90	313.78	1291.04	5.07	4.15	0.00	4.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
135	5.900	30.90	0.89	314.18	1292.30	5.06	4.13	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.56
136	5.800	30.90	0.89	314.62	1293.69	5.05	4.12	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.55
137	5.700	30.90	0.88	315.10	1295.22	5.04	4.10	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.54
138	5.600	30.90	0.87	315.63	1296.91	5.04	4.09	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.53
139	5.500	30.90	0.86	316.21	1298.76	5.03	4.08	0.00	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.52
140	5.400	30.90	0.85	316.85	1300.80	5.03	4.07	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.51
141	5.300	30.90	0.85	317.56	1303.05	5.04	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.50
142	5.200	30.90	0.84	318.34	1305.53	5.05	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
143	5.100	30.90	0.83	319.19	1308.25	5.06	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.48

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 9 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
144	UPR RCH	1.12000	30.90	0.83	319.19	1308.25	5.06	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48
172	WSTLD	0.36000	30.90	0.64	304.00	1210.00	6.95	5.37	0.00	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57

********** 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
144	5.10	5.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
145	5.00	4.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
146	4.90	4.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
147	4.80	4.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013

148	4.70	4.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
149	4.60	4.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
150	4.50	4.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
151	4.40	4.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
152	4.30	4.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
153	4.20	4.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
154	4.10	4.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
155	4.00	3.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
156	3.90	3.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
157	3.80	3.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
158	3.70	3.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
159	3.60	3.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
160	3.50	3.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
161	3.40	3.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
162	3.30	3.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
163	3.20	3.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
164	3.10	3.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
165	3.00	2.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
166	2.90	2.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
167	2.80	2.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
168	2.70	2.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
169	2.60	2.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
170	2.50	2.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
171	2.40	2.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
172	2.30	2.20	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
173	2.20	2.10	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
174	2.10	2.00	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
175	2.00	1.90	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
176	1.90	1.80	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
177	1.80	1.70	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
178	1.70	1.60	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
179	1.60	1.50	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
TOT						3.14			320932.81	281519.97					
AVG					0.01328		1.14	78.20			89.15				
CUM						16.00									

********** 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
144	5.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
145	4.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
146	4.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
147	4.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
148	4.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
149	4.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
150	4.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
151	4.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
152	4.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
153	4.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
154	4.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
155	3.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00

156	3.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
157	3.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
158	3.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
159	3.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
160	3.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
161	3.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
162	3.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
163	3.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
164	3.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
165	2.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
166	2.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
167	2.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
168	2.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
169	2.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
170	2.400	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
171	2.300	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
172	2.200	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
173	2.100	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
174	2.000	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
175	1.900	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
176	1.800	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
177	1.700	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
178	1.600	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
179	1.500	7.41	1.00	0.10	0.00	0.00	0.00	0.00	0.00	1.79	1.79	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.82	0.06	0.00	0.00	0.00	0.00	0.00	0.90			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
144	5.000	30.90	0.83	319.99	1310.79	5.08	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
145	4.900	30.90	0.83	320.74	1313.17	5.10	4.06	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47
146	4.800	30.90	0.83	321.54	1315.73	5.11	4.07	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.46
147	4.700	30.90	0.83	322.41	1318.48	5.12	4.07	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.45
148	4.600	30.90	0.83	323.34	1321.43	5.13	4.07	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.45
149	4.500	30.90	0.83	324.33	1324.60	5.15	4.08	0.00	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.44
150	4.400	30.90	0.83	325.40	1328.00	5.16	4.08	0.00	4.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.44
151	4.300	30.90	0.83	326.55	1331.66	5.17	4.09	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.43
152	4.200	30.90	0.83	327.78	1335.58	5.18	4.09	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.42
153	4.100	30.90	0.83	329.11	1339.80	5.19	4.10	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.42
154	4.000	30.90	0.83	330.53	1344.33	5.20	4.11	0.00	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.42
155	3.900	30.90	0.83	332.06	1349.19	5.22	4.12	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.41
156	3.800	30.90	0.83	333.70	1354.41	5.23	4.12	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.41
157	3.700	30.90	0.83	335.46	1360.02	5.24	4.13	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
158	3.600	30.90	0.83	337.35	1366.04	5.25	4.14	0.00	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
159	3.500	30.90	0.83	339.39	1372.50	5.26	4.16	0.00	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
160	3.400	30.90	0.83	341.57	1379.45	5.27	4.17	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
161	3.300	30.90	0.83	343.91	1386.90	5.29	4.18	0.00	4.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
162	3.200	30.90	0.83	346.43	1394.91	5.30	4.20	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.39
163	3.100	30.90	0.83	349.13	1403.51	5.32	4.22	0.00	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.39
164	3.000	30.90	0.83	352.03	1412.74	5.33	4.23	0.00	4.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.39

165	2.900	30.90	0.83	355.15	1422.66	5.35	4.25	0.00	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.39
166	2.800	30.90	0.83	358.50	1433.31	5.37	4.28	0.00	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
167	2.700	30.90	0.83	362.09	1444.75	5.38	4.30	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
168	2.600	30.90	0.83	365.95	1457.03	5.41	4.33	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
169	2.500	30.90	0.83	370.10	1470.22	5.43	4.36	0.00	4.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.40
170	2.400	30.90	0.83	374.55	1484.39	5.46	4.39	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.41
171	2.300	30.90	0.83	379.33	1499.60	5.49	4.42	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.41
172	2.200	30.90	0.83	384.46	1515.94	5.52	4.46	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.42
173	2.100	30.90	0.83	391.89	1540.75	5.52	4.48	0.00	4.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.42
174	2.000	30.90	0.83	400.04	1567.99	5.53	4.50	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.43
175	1.900	30.90	0.83	408.98	1597.88	5.53	4.52	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.44
176	1.800	30.90	0.83	418.80	1630.69	5.54	4.54	0.00	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.44
177	1.700	30.90	0.83	429.58	1666.71	5.55	4.57	0.00	4.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.45
178	1.600	30.90	0.83	441.41	1706.25	5.57	4.61	0.00	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.46
179	1.500	30.90	0.83	454.40	1749.64	5.59	4.64	0.00	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.47

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 10 Bayou Segnette Summer projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
180	UPR RCH	1.48000	30.90	0.83	454.40	1749.64	5.59	4.64	0.00	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	1.50	1.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
181	1.40	1.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
182	1.30	1.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
183	1.20	1.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
184	1.10	1.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
185	1.00	0.90	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
186	0.90	0.80	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
187	0.80	0.70	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
188	0.70	0.60	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
189	0.60	0.50	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
190	0.50	0.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
191	0.40	0.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
192	0.30	0.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
193	0.20	0.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
194	0.10	0.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
TOT						0.88			112160.98	102900.00					
AVG					0.01979		1.09	68.60			74.77				
CUM						16.87									

********** 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
180	1.400	7.41	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
181	1.300	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
182	1.200	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
183	1.100	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
184	1.000	7.40	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
185	0.900	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
186	0.800	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
187	0.700	7.39	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
188	0.600	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
189	0.500	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
190	0.400	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
191	0.300	7.38	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
192	0.200	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
193	0.100	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
194	0.000	7.37	1.06	0.10	0.00	0.00	0.00	0.00	0.00	1.59	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
AVG 20 DEG C RATE			0.87	0.06	0.00	0.00	0.00	0.00	0.00	0.80			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
180	1.400	30.90	0.90	468.75	1797.59	5.61	4.68	0.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.49
181	1.300	30.90	0.96	484.62	1850.61	5.63	4.73	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.51
182	1.200	30.90	1.03	502.05	1908.88	5.66	4.78	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.52
183	1.100	30.90	1.10	521.21	1972.91	5.69	4.83	0.00	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.55
184	1.000	30.90	1.16	542.27	2043.28	5.73	4.89	0.00	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.57
185	0.900	30.90	1.23	565.41	2120.61	5.77	4.95	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.60
186	0.800	30.90	1.30	590.85	2205.59	5.82	5.03	0.00	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.63
187	0.700	30.90	1.36	618.79	2298.99	5.88	5.10	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.66
188	0.600	30.90	1.43	649.51	2401.63	5.95	5.19	0.00	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.70
189	0.500	30.90	1.50	683.26	2514.42	6.02	5.29	0.00	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.75
190	0.400	30.90	1.56	720.36	2638.38	6.11	5.39	0.00	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.79
191	0.300	30.90	1.63	761.13	2774.61	6.21	5.51	0.00	5.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.85
192	0.200	30.90	1.70	805.93	2924.32	6.32	5.64	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.91
193	0.100	30.90	1.76	855.16	3088.84	6.46	5.78	0.00	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.98
194	0.000	30.90	1.83	909.27	3269.65	6.61	5.93	0.00	5.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06

STREAM SUMMARY
Bayou Segnette

LA-QUAL simulation of Bayou Segnette (020701)
Summer projection, meeting DO standards

TRAVEL TIME = 16.87 DAYS

MAXIMUM EFFLUENT = 100.00 PERCENT

FLOW	=	-5.43000	TO	3.22000	m^3/s
DISPERSION	=	8.0000	TO	20.0000	m^2/s
VELOCITY	=	-0.09579	TO	0.01979	m/s
DEPTH	=	0.83	TO	1.26	m
WIDTH	=	68.30	TO	162.10	m
BOD DECAY	=	0.10	TO	0.12	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.40	TO	2.62	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.90	TO	2.99	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	30.90	TO	30.90	deg C
DISSOLVED OXYGEN	=	5.03	TO	6.77	mg/L

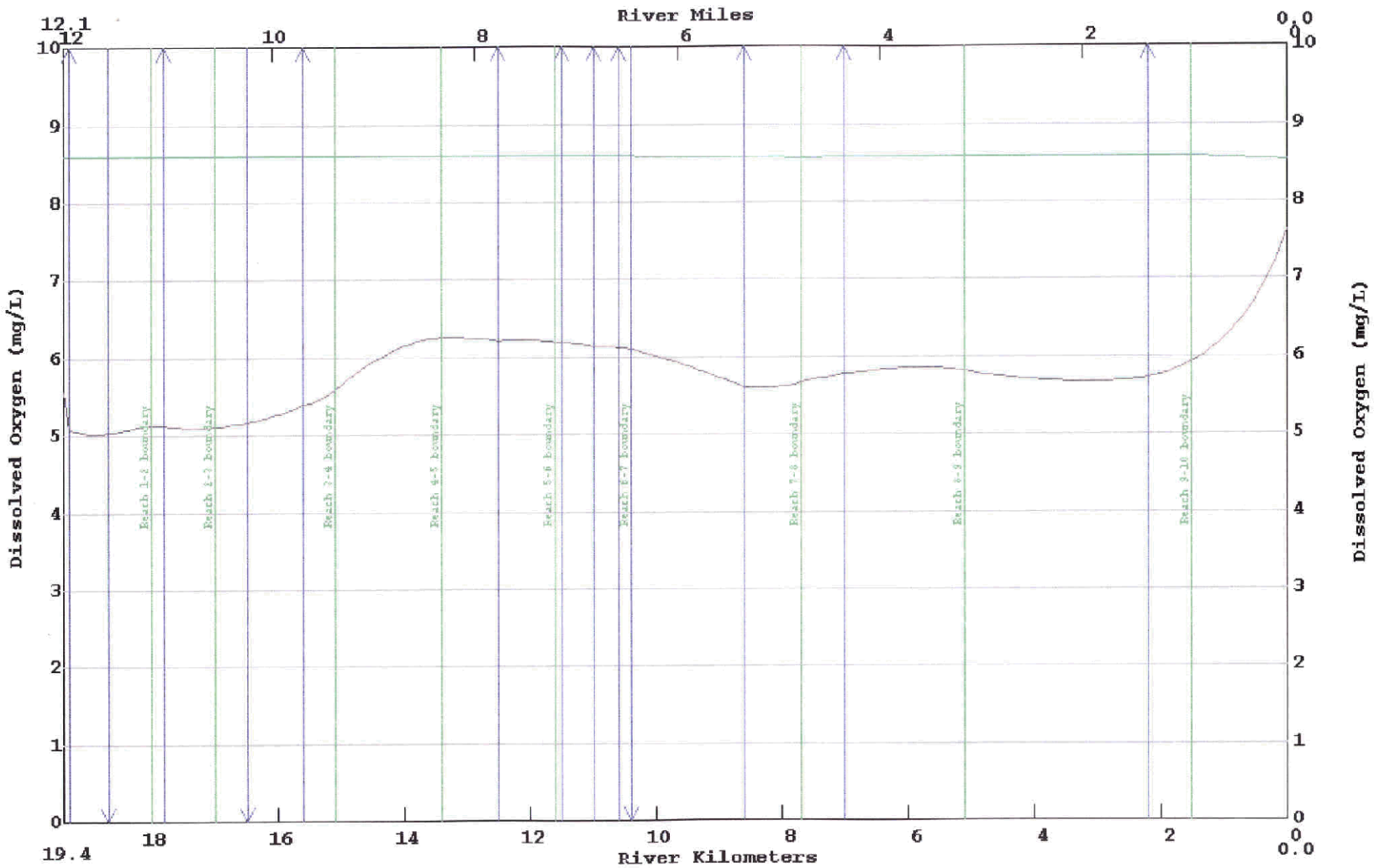
LA-QUAL simulation of Bayou Segnette (020701)
Summer projection, meeting DO standards

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 INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	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	10.690	6419.1	4372.2	0.0	0.0	0.0	0.0	0.0	0.0	1114.1
WITHDRAWLS	-9.210	-4788.1	-3497.6	0.0	0.0	0.0	0.0	0.0	0.0	-629.5
OUTFLOW THRU LOWER BNDRY	-1.480	-845.4	-758.8	0.0	0.0	0.0	0.0	0.0	0.0	-135.2
DISPERSION THRU LOWER BNDRY		230.0	222.3	0.0	0.0	0.0	0.0	0.0	0.0	111.3
NON-POINT INPUT		0.0	397.0	0.0	0.0					0.0
NATURAL REAERATION		3891.1								
DAM REAERATION		0.0								
BACKGROUND SOD		-3711.0								
BOD#1 DECAY		-735.1	-735.1							
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			0.0	0.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		0.0				0.0	0.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		0.0				0.0	0.0	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		-460.7								-460.7
NCM SETTLING		0.0								0.0
TOTAL INPUTS	10.690	10540.2	4991.4	0.0	0.0	0.0	0.0	0.0	0.0	1225.4
TOTAL OUTPUTS	-10.690	-10540.2	-4991.4	0.0	0.0	0.0	0.0	0.0	0.0	-1225.4
NET CONVERGENCE ERROR	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

.....EXECUTION COMPLETED

LA-QUAL Version 6.02 File R:\projects\3110-051\la-qual\segnette\no pts source\proj\winter\seg_win-1.txt
Winter projection, meeting DO standards min= 5.02 max= 7.62
LA-QUAL simulation of Bayou Segnette (020701)



```
LA-QUAL Version 6.02
Louisiana Department of Environmental Quality

Input file is R:\projects\3110-051\la-qual\segnette\no pts source\proj\winter\seg_win-1.txt
Output produced at 11:08 on 03/30/2004

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL simulation of Bayou Segnette (020701)
TITLE02         Winter projection, meeting DO standards
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  YES   CONSERVATIVE MATERIAL  I = Chloride                  IN mg/L      CL
MODOPT04  YES   CONSERVATIVE MATERIAL II = Conductivity              IN umhos     COND
MODOPT05  YES   DISS
MODOPT06  YES   BIOC
MODOPT07   NO   NITR
MODOPT08   NO   PHOS
MODOPT09   NO   CHLO
MODOPT10   NO   MACR
MODOPT11   NO   COLI
MODOPT12  YES   NONCONSERVATIVE MATERIAL = Nitrogenous BOD             IN mg/L     NBOD
ENDATA02

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         NCM OXYGEN UPTAKE RATE             =         1.00000 mg O/mg NCM
PROGRAM         KL MINIMUM                         =         1.17000 meters/day
ENDATA03

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

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

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

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05
```

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA06

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

CARD TYPE	DESCRIPTION OF CONSTANT	VALUE

ENDATA07

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

CARD TYPE	REACH	ID	NAME	BEGIN REACH km		END REACH km	ELEM LENGTH km	REACH LENGTH km	ELEMS PER RCH	BEGIN ELEM NUM	END ELEM NUM
REACH ID	1	BS	Bayou Segnette	19.40	TO	18.00	0.1000	1.40	14	1	14
REACH ID	2	BS	Bayou Segnette	18.00	TO	17.00	0.1000	1.00	10	15	24
REACH ID	3	BS	Bayou Segnette	17.00	TO	15.10	0.1000	1.90	19	25	43
REACH ID	4	BS	Bayou Segnette	15.10	TO	13.40	0.1000	1.70	17	44	60
REACH ID	5	BS	Bayou Segnette	13.40	TO	11.60	0.1000	1.80	18	61	78
REACH ID	6	BS	Bayou Segnette	11.60	TO	10.40	0.1000	1.20	12	79	90
REACH ID	7	BS	Bayou Segnette	10.40	TO	7.70	0.1000	2.70	27	91	117
REACH ID	8	BS	Bayou Segnette	7.70	TO	5.10	0.1000	2.60	26	118	143
REACH ID	9	BS	Bayou Segnette	5.10	TO	1.50	0.1000	3.60	36	144	179
REACH ID	10	BS	Bayou Segnette	1.50	TO	0.00	0.1000	1.50	15	180	194

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	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	2	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	3	BS	0.000	0.000	96.600	0.000	0.000	1.260	0.00000	0.000
HYDR-1	4	BS	0.000	0.000	112.200	0.000	0.000	0.960	0.00000	0.000
HYDR-1	5	BS	0.000	0.000	128.000	0.000	0.000	0.970	0.00000	0.000
HYDR-1	6	BS	0.000	0.000	162.100	0.000	0.000	1.120	0.00000	0.000
HYDR-1	7	BS	0.000	0.000	68.300	0.000	0.000	0.830	0.00000	0.000
HYDR-1	8	BS	0.000	0.000	88.000	0.000	0.000	0.900	0.00000	0.000
HYDR-1	9	BS	0.000	0.000	78.200	0.000	0.000	1.140	0.00000	0.000
HYDR-1	10	BS	0.000	0.000	68.600	0.000	0.000	1.090	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"
HYDR	1	BS	0.00	8.000	0.000	0.000	0.000
HYDR	2	BS	0.00	8.000	0.000	0.000	0.000
HYDR	3	BS	0.00	8.000	0.000	0.000	0.000
HYDR	4	BS	0.00	8.000	0.000	0.000	0.000
HYDR	5	BS	0.00	8.000	0.000	0.000	0.000
HYDR	6	BS	0.00	8.000	0.000	0.000	0.000
HYDR	7	BS	0.00	11.000	0.000	0.000	0.000
HYDR	8	BS	0.00	14.000	0.000	0.000	0.000
HYDR	9	BS	0.00	17.000	0.000	0.000	0.000
HYDR	10	BS	0.00	20.000	0.000	0.000	0.000

ENDATA10

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

CARD TYPE	REACH	ID	TEMP	SALIN	DO	NH3	NO3+2	PHOS	CHL A	MACRO
INITIAL	1	BS	22.70	0.36	2.60	0.00	0.00	0.00	0.00	0.00
INITIAL	2	BS	22.70	0.36	2.82	0.00	0.00	0.00	0.00	0.00
INITIAL	3	BS	22.70	0.36	3.05	0.00	0.00	0.00	0.00	0.00
INITIAL	4	BS	22.70	0.37	3.68	0.00	0.00	0.00	0.00	0.00
INITIAL	5	BS	22.70	0.37	4.30	0.00	0.00	0.00	0.00	0.00
INITIAL	6	BS	22.70	0.51	4.80	0.00	0.00	0.00	0.00	0.00
INITIAL	7	BS	22.70	0.64	5.30	0.00	0.00	0.00	0.00	0.00
INITIAL	8	BS	22.70	1.04	5.07	0.00	0.00	0.00	0.00	0.00
INITIAL	9	BS	22.70	0.83	3.34	0.00	0.00	0.00	0.00	0.00
INITIAL	10	BS	22.70	0.83	3.34	0.00	0.00	0.00	0.00	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 BOD DECAY per day	BOD2 DECAY per day	BOD2 SETT m/d	BOD2 CONV TO SOD	ANAER BOD2 DECAY per day
COEF-1	1	BS	15 LOUISIANA	0.000	0.000	0.000	0.200	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	2	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	3	BS	15 LOUISIANA	0.000	0.000	0.000	2.280	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	4	BS	15 LOUISIANA	0.000	0.000	0.000	1.290	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	5	BS	15 LOUISIANA	0.000	0.000	0.000	1.680	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	6	BS	15 LOUISIANA	0.000	0.000	0.000	1.500	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	7	BS	15 LOUISIANA	0.000	0.000	0.000	2.700	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	8	BS	15 LOUISIANA	0.000	0.000	0.000	2.180	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	9	BS	15 LOUISIANA	0.000	0.000	0.000	2.460	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COEF-1	10	BS	15 LOUISIANA	0.000	0.000	0.000	1.840	0.060	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 DECA	ORG-N SETT	ORGN CONV TO NH3 SRCE	NH3 DECA	NH3 SRCE	PHOS SRCE	DENIT RATE

ENDATA13

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

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

ENDATA14

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

CARD TYPE	REACH	ID	COLIFORM DIE-OFF	NCM DECAY	NCM SETT	NCM CONV TO SOD
COEF-4	1	BS	0.000	0.250	0.000	0.000
COEF-4	2	BS	0.000	0.250	0.000	0.000
COEF-4	3	BS	0.000	0.130	0.000	0.000
COEF-4	4	BS	0.000	0.110	0.000	0.000
COEF-4	5	BS	0.000	0.110	0.000	0.000
COEF-4	6	BS	0.000	0.110	0.000	0.000
COEF-4	7	BS	0.000	0.110	0.000	0.000
COEF-4	8	BS	0.000	0.110	0.000	0.000
COEF-4	9	BS	0.000	0.110	0.000	0.000
COEF-4	10	BS	0.000	0.110	0.000	0.000

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	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	2	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	3	BS	98.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	4	BS	172.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	5	BS	126.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	6	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	7	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	8	BS	0.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	9	BS	328.00	0.00	0.00	0.00	0.00	0.00
NONPOINT	10	BS	123.00	0.00	0.00	0.00	0.00	0.00

ENDATA19

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

CARD TYPE	ELEMENT	NAME	UNIT	FLOW m^3/s	FLOW cfs	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
HDWTR-1	1	Bayou Segnette	0	0.00000	0.000	0.00	0.00	0.000	0.000

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 Segnette	5.58	0.00	0.00	0.00	0.00	0.00

ENDATA21

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
HDWTR-3	1	Bayou Segnette	0.00	0.00	0.00	0.00

ENDATA22

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

CARD TYPE	JUNCTION ELEMENT	UPSTRM ELEMENT	RIVER KILOM	NAME

ENDATA23

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

CARD TYPE	ELEMENT	RKILO	NAME	FLOW m³/s	FLOW cfs	FLOW MGD	TEMP deg C	SALIN ppt	CM-I mg/L	CM-II umhos
WSTLD-1	1	19.40	Westwego 2 Pump St	0.90000	31.77966	20.543	22.70	0.37	84.400	718.000
WSTLD-1	7	18.80	Outer Cat Canal N	-0.26000	-9.18079	-5.935	0.00	0.00	0.000	0.000
WSTLD-1	16	17.90	Outer Cat Canal S	0.55000	19.42090	12.554	22.70	0.31	115.000	609.000
WSTLD-1	29	16.60	UCA North connection	-0.30000	-10.59322	-6.848	0.00	0.00	0.000	0.000
WSTLD-1	38	15.70	UCA South connection	0.60000	21.18644	13.695	22.70	0.41	154.000	788.000
WSTLD-1	69	12.60	Storage area	0.28000	9.88701	6.391	22.70	0.37	151.000	710.800
WSTLD-1	79	11.60	Millaudon Canal N	0.35000	12.35876	7.989	22.70	0.78	363.000	1475.000
WSTLD-1	84	11.10	Millaudon Canal S	0.70000	24.71751	15.978	22.70	0.78	363.000	1475.000
WSTLD-1	88	10.70	Tarpaper Canal	0.40000	14.12429	9.130	22.70	0.49	234.000	931.000
WSTLD-1	90	10.50	Bayou Bardeaux North	-8.65000	-305.43784	-197.439	0.00	0.00	0.000	0.000
WSTLD-1	108	8.70	Bayou Bardeaux South	6.54000	230.93221	149.277	22.70	0.53	310.000	1279.000
WSTLD-1	124	7.10	Drill hole to Lk Sal	0.01000	0.35311	0.228	22.70	0.53	310.000	1279.000
WSTLD-1	172	2.30	Pipeline Canal	0.36000	12.71187	8.217	22.70	0.64	304.000	1210.000

ENDATA24

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

CARD TYPE	ELEMENT	NAME	DO mg/L	BOD mg/L	% BOD RMVL	ORG-N mg/L	NH3-N mg/L	% NITRIF	NO3-N mg/L	BOD#2 mg/L
WSTLD-1	1	Westwego 2 Pump St	5.58	9.02	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	5.58	8.45	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	5.58	9.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	69	Storage area	5.58	9.09	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	79	Millaudon Canal N	5.58	9.02	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	84	Millaudon Canal S	5.58	9.02	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	88	Tarpaper Canal	5.58	8.88	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	5.58	8.81	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	124	Drill hole to Lk Sal	5.58	8.81	0.00	0.00	0.00	0.00	0.00	0.00
WSTLD-1	172	Pipeline Canal	5.58	9.37	0.00	0.00	0.00	0.00	0.00	0.00

ENDATA25

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

CARD TYPE	ELEMENT	NAME	PHOS mg/L	CHL A mg/L	COLI mg/L	NCM mg/L
WSTLD-1	1	Westwego 2 Pump St	0.00	0.00	0.00	18.00
WSTLD-1	7	Outer Cat Canal N	0.00	0.00	0.00	0.00
WSTLD-1	16	Outer Cat Canal S	0.00	0.00	0.00	2.67
WSTLD-1	29	UCA North connection	0.00	0.00	0.00	0.00
WSTLD-1	38	UCA South connection	0.00	0.00	0.00	1.50
WSTLD-1	69	Storage area	0.00	0.00	0.00	1.74
WSTLD-1	79	Millaudon Canal N	0.00	0.00	0.00	2.32
WSTLD-1	84	Millaudon Canal S	0.00	0.00	0.00	2.32
WSTLD-1	88	Tarpaper Canal	0.00	0.00	0.00	1.45
WSTLD-1	90	Bayou Bardeaux North	0.00	0.00	0.00	0.00
WSTLD-1	108	Bayou Bardeaux South	0.00	0.00	0.00	1.60
WSTLD-1	124	Drill hole to Lk Sal	0.00	0.00	0.00	1.60
WSTLD-1	172	Pipeline Canal	0.00	0.00	0.00	1.99

ENDATA26

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

CARD TYPE	CONSTITUENT		CONCENTRATION	
LOWER BC	TEMPERATURE	=	22.700	deg C
LOWER BC	SALINITY	=	1.830	ppt
LOWER BC	CONSERVATIVE MATERIAL I (Cl)	=	939.000	mg/L
LOWER BC	CONSERVATIVE MATERIAL II (Cond)	=	3369.000	umhos
LOWER BC	DISSOLVED OXYGEN	=	7.750	mg/L
LOWER BC	BIOCHEMICAL OXYGEN DEMAND (CBODu)	=	6.020	mg/L
LOWER BC	CHLOROPHYLL A	=	0.000	µg/L
LOWER BC	NONCONSERVATIVE MATERIAL (NBODu)	=	1.100	mg/L

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

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

OVERLAY 1 SEG5r.OVL
ENDATA31

.....NO ERRORS DETECTED IN INPUT DATA
.....HYDRAULIC CALCULATIONS COMPLETED
.....TRIDIAGONAL MATRIX TERMS INITIALIZED
.....OXYGEN DEPENDENT RATES CONVERGENT IN 1 ITERATIONS
.....CONSTITUENT CALCULATIONS COMPLETED
.....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11

CONDENSED CAPSULE SUMMARY FOR Bayou Segnette

DIST km	FLOW m³/s	TEMP deg C	SALN ppt	DO mg/L	EBOD1 mg/L	EBOD2 mg/L	ORGN mg/L	NH3 µg/L	CHLA 1/da	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	0.00000	0.00	0.00	5.58	0.00	0.00	0.00	0.00	0.00							
19.30	0.90000	22.70	0.36	5.08	8.16	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.20	0.90000	22.70	0.36	5.05	8.09	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.10	0.90000	22.70	0.36	5.03	8.02	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
19.00	0.90000	22.70	0.36	5.02	7.95	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.90	0.90000	22.70	0.36	5.02	7.89	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.80	0.90000	22.70	0.36	5.02	7.83	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.70	0.64000	22.70	0.36	5.03	7.78	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.60	0.64000	22.70	0.36	5.05	7.73	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.50	0.64000	22.70	0.36	5.06	7.68	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.40	0.64000	22.70	0.36	5.08	7.65	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.30	0.64000	22.70	0.36	5.10	7.61	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.20	0.64000	22.70	0.36	5.11	7.59	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.10	0.64000	22.70	0.36	5.12	7.57	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
18.00	0.64000	22.70	0.36	5.12	7.55	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	0.24
17.90	0.64000	22.70	0.36	5.12	7.55	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.80	1.19000	22.70	0.36	5.13	7.55	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.70	1.19000	22.70	0.36	5.11	7.52	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.60	1.19000	22.70	0.36	5.10	7.48	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.50	1.19000	22.70	0.36	5.10	7.45	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.40	1.19000	22.70	0.36	5.09	7.43	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.30	1.19000	22.70	0.36	5.09	7.41	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.20	1.19000	22.70	0.36	5.09	7.40	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.10	1.19000	22.70	0.36	5.10	7.39	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
17.00	1.19000	22.70	0.36	5.11	7.39	0.00	0.00	0.00	0.00	0.98	0.08	0.00	0.00	0.00	0.00	1.78
16.90	1.19000	22.70	0.36	5.12	7.40	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.80	1.19000	22.70	0.36	5.13	7.42	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.70	1.19000	22.70	0.36	5.14	7.43	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.60	1.19000	22.70	0.36	5.15	7.45	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.50	0.89000	22.70	0.36	5.17	7.47	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.40	0.89000	22.70	0.36	5.19	7.50	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.30	0.89000	22.70	0.36	5.20	7.53	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.20	0.89000	22.70	0.36	5.22	7.57	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.10	0.89000	22.70	0.36	5.25	7.61	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
16.00	0.89000	22.70	0.37	5.27	7.65	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.90	0.89000	22.70	0.37	5.29	7.70	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70

15.80	0.89000	22.70	0.37	5.32	7.75	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.70	0.89000	22.70	0.37	5.35	7.82	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.60	1.49000	22.70	0.37	5.39	7.88	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.50	1.49000	22.70	0.37	5.41	7.89	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.40	1.49000	22.70	0.37	5.45	7.90	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.30	1.49000	22.70	0.37	5.48	7.92	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.20	1.49000	22.70	0.37	5.53	7.93	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.10	1.49000	22.70	0.37	5.58	7.96	0.00	0.00	0.00	0.00	0.98	0.07	0.00	0.00	0.00	0.00	2.70
15.00	1.49000	22.70	0.37	5.65	7.99	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.90	1.49000	22.70	0.37	5.72	8.02	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.80	1.49000	22.70	0.37	5.79	8.05	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.70	1.49000	22.70	0.37	5.85	8.08	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.60	1.49000	22.70	0.37	5.90	8.10	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.50	1.49000	22.70	0.37	5.95	8.13	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.40	1.49000	22.70	0.37	6.00	8.16	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.30	1.49000	22.70	0.37	6.04	8.18	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.20	1.49000	22.70	0.37	6.08	8.21	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.10	1.49000	22.70	0.37	6.12	8.23	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
14.00	1.49000	22.70	0.37	6.15	8.26	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.90	1.49000	22.70	0.37	6.18	8.28	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.80	1.49000	22.70	0.37	6.20	8.30	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.70	1.49000	22.70	0.37	6.22	8.31	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.60	1.49000	22.70	0.37	6.24	8.33	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.50	1.49000	22.70	0.37	6.25	8.34	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.40	1.49000	22.70	0.37	6.26	8.35	0.00	0.00	0.00	0.00	1.28	0.07	0.00	0.00	0.00	0.00	1.53
13.30	1.49000	22.70	0.38	6.26	8.36	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
13.20	1.49000	22.70	0.39	6.26	8.36	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
13.10	1.49000	22.70	0.39	6.25	8.37	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
13.00	1.49000	22.70	0.40	6.25	8.37	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.90	1.49000	22.70	0.41	6.25	8.38	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.80	1.49000	22.70	0.42	6.24	8.39	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.70	1.49000	22.70	0.42	6.24	8.40	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.60	1.49000	22.70	0.43	6.23	8.41	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.50	1.77000	22.70	0.44	6.22	8.43	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.40	1.77000	22.70	0.45	6.22	8.42	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.30	1.77000	22.70	0.46	6.22	8.42	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.20	1.77000	22.70	0.46	6.23	8.42	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.10	1.77000	22.70	0.47	6.23	8.41	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
12.00	1.77000	22.70	0.48	6.23	8.41	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
11.90	1.77000	22.70	0.49	6.22	8.41	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
11.80	1.77000	22.70	0.49	6.22	8.40	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
11.70	1.77000	22.70	0.50	6.21	8.39	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
11.60	1.77000	22.70	0.51	6.20	8.39	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	0.00	0.00	1.99
11.50	2.12000	22.70	0.52	6.19	8.38	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.40	2.12000	22.70	0.53	6.19	8.37	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.30	2.12000	22.70	0.54	6.18	8.36	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.20	2.12000	22.70	0.55	6.17	8.36	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.10	2.12000	22.70	0.56	6.16	8.37	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
11.00	2.82000	22.70	0.57	6.14	8.38	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.90	2.82000	22.70	0.59	6.14	8.38	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.80	2.82000	22.70	0.60	6.14	8.39	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.70	2.82000	22.70	0.61	6.13	8.40	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.60	3.22000	22.70	0.62	6.12	8.43	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.50	3.22000	22.70	0.63	6.12	8.45	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.40	-5.43000	22.70	0.64	6.10	8.49	0.00	0.00	0.00	0.00	1.10	0.07	0.00	0.00	0.00	0.00	1.78
10.30	-5.43000	22.70	0.65	6.08	8.54	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20

10.20	-5.43000	22.70	0.67	6.06	8.59	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
10.10	-5.43000	22.70	0.68	6.03	8.62	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
10.00	-5.43000	22.70	0.70	6.01	8.64	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.90	-5.43000	22.70	0.71	5.99	8.66	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.80	-5.43000	22.70	0.73	5.96	8.67	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.70	-5.43000	22.70	0.74	5.94	8.68	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.60	-5.43000	22.70	0.76	5.91	8.69	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.50	-5.43000	22.70	0.77	5.88	8.69	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.40	-5.43000	22.70	0.79	5.86	8.70	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.30	-5.43000	22.70	0.80	5.83	8.71	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.20	-5.43000	22.70	0.82	5.80	8.71	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.10	-5.43000	22.70	0.83	5.77	8.72	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
9.00	-5.43000	22.70	0.85	5.74	8.73	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
8.90	-5.43000	22.70	0.86	5.71	8.74	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
8.80	-5.43000	22.70	0.88	5.67	8.74	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
8.70	-5.43000	22.70	0.89	5.64	8.75	0.00	0.00	0.00	0.00	2.58	0.07	0.00	0.00	0.00	0.00	3.20
8.60	1.11000	22.70	0.91	5.61	8.76	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.50	1.11000	22.70	0.92	5.60	8.72	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.40	1.11000	22.70	0.94	5.60	8.67	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.30	1.11000	22.70	0.95	5.60	8.63	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.20	1.11000	22.70	0.97	5.60	8.59	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.10	1.11000	22.70	0.98	5.61	8.54	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
8.00	1.11000	22.70	1.00	5.62	8.49	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
7.90	1.11000	22.70	1.01	5.63	8.44	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
7.80	1.11000	22.70	1.03	5.65	8.38	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
7.70	1.11000	22.70	1.04	5.67	8.32	0.00	0.00	0.00	0.00	1.49	0.07	0.00	0.00	0.00	0.00	3.20
7.60	1.11000	22.70	1.03	5.69	8.28	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.50	1.11000	22.70	1.02	5.71	8.24	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.40	1.11000	22.70	1.02	5.72	8.20	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.30	1.11000	22.70	1.01	5.74	8.17	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.20	1.11000	22.70	1.00	5.75	8.14	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.10	1.11000	22.70	0.99	5.76	8.11	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
7.00	1.12000	22.70	0.98	5.78	8.08	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.90	1.12000	22.70	0.98	5.79	8.05	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.80	1.12000	22.70	0.97	5.80	8.02	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.70	1.12000	22.70	0.96	5.81	7.99	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.60	1.12000	22.70	0.95	5.82	7.97	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.50	1.12000	22.70	0.94	5.82	7.95	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.40	1.12000	22.70	0.94	5.83	7.93	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.30	1.12000	22.70	0.93	5.84	7.91	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.20	1.12000	22.70	0.92	5.84	7.90	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.10	1.12000	22.70	0.91	5.85	7.89	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
6.00	1.12000	22.70	0.90	5.85	7.88	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.90	1.12000	22.70	0.89	5.85	7.87	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.80	1.12000	22.70	0.89	5.85	7.87	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.70	1.12000	22.70	0.88	5.85	7.88	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.60	1.12000	22.70	0.87	5.85	7.88	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.50	1.12000	22.70	0.86	5.85	7.90	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.40	1.12000	22.70	0.85	5.84	7.92	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.30	1.12000	22.70	0.85	5.83	7.94	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.20	1.12000	22.70	0.84	5.82	7.98	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.10	1.12000	22.70	0.83	5.81	8.02	0.00	0.00	0.00	0.00	1.37	0.07	0.00	0.00	0.00	0.00	2.58
5.00	1.12000	22.70	0.83	5.80	8.06	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.90	1.12000	22.70	0.83	5.79	8.10	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.80	1.12000	22.70	0.83	5.77	8.13	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.70	1.12000	22.70	0.83	5.76	8.17	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92

4.60	1.12000	22.70	0.83	5.75	8.20	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.50	1.12000	22.70	0.83	5.75	8.23	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.40	1.12000	22.70	0.83	5.74	8.27	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.30	1.12000	22.70	0.83	5.73	8.30	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.20	1.12000	22.70	0.83	5.72	8.33	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.10	1.12000	22.70	0.83	5.71	8.36	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
4.00	1.12000	22.70	0.83	5.71	8.39	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.90	1.12000	22.70	0.83	5.70	8.42	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.80	1.12000	22.70	0.83	5.70	8.45	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.70	1.12000	22.70	0.83	5.69	8.48	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.60	1.12000	22.70	0.83	5.69	8.51	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.50	1.12000	22.70	0.83	5.69	8.53	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.40	1.12000	22.70	0.83	5.68	8.56	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.30	1.12000	22.70	0.83	5.68	8.58	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.20	1.12000	22.70	0.83	5.68	8.60	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.10	1.12000	22.70	0.83	5.68	8.62	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
3.00	1.12000	22.70	0.83	5.68	8.64	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.90	1.12000	22.70	0.83	5.68	8.66	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.80	1.12000	22.70	0.83	5.68	8.67	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.70	1.12000	22.70	0.83	5.69	8.69	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.60	1.12000	22.70	0.83	5.69	8.70	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.50	1.12000	22.70	0.83	5.70	8.71	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.40	1.12000	22.70	0.83	5.71	8.72	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.30	1.12000	22.70	0.83	5.71	8.72	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.20	1.48000	22.70	0.83	5.73	8.73	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.10	1.48000	22.70	0.83	5.74	8.71	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
2.00	1.48000	22.70	0.83	5.76	8.69	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.90	1.48000	22.70	0.83	5.79	8.67	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.80	1.48000	22.70	0.83	5.81	8.64	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.70	1.48000	22.70	0.83	5.85	8.60	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.60	1.48000	22.70	0.83	5.89	8.56	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.50	1.48000	22.70	0.83	5.93	8.51	0.00	0.00	0.00	0.00	1.08	0.07	0.00	0.00	0.00	0.00	2.92
1.40	1.48000	22.70	0.90	5.98	8.46	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
1.30	1.48000	22.70	0.96	6.04	8.39	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
1.20	1.48000	22.70	1.03	6.10	8.32	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
1.10	1.48000	22.70	1.10	6.16	8.23	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
1.00	1.48000	22.70	1.16	6.23	8.13	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.90	1.48000	22.70	1.23	6.31	8.02	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.80	1.48000	22.70	1.30	6.40	7.90	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.70	1.48000	22.70	1.36	6.50	7.76	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.60	1.48000	22.70	1.43	6.60	7.60	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.50	1.48000	22.70	1.50	6.73	7.43	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.40	1.48000	22.70	1.56	6.86	7.23	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.30	1.48000	22.70	1.63	7.02	7.01	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.20	1.48000	22.70	1.70	7.19	6.77	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.10	1.48000	22.70	1.76	7.39	6.49	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18
0.00	1.48000	22.70	1.83	7.62	6.19	0.00	0.00	0.00	0.00	1.13	0.07	0.00	0.00	0.00	0.00	2.18

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
1	HDWTR	0.00000	0.00	0.00	0.00	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	WSTLD	0.90000	22.70	0.37	84.40	718.00	5.58	9.02	0.00	9.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00
7	WSTLD	-0.26000	22.70	0.36	91.33	697.79	5.03	7.78	0.00	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.72

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
1	19.40	19.30	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
2	19.30	19.20	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
3	19.20	19.10	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
4	19.10	19.00	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
5	19.00	18.90	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
6	18.90	18.80	0.90000	100.0	0.00739	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
7	18.80	18.70	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
8	18.70	18.60	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
9	18.60	18.50	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
10	18.50	18.40	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
11	18.40	18.30	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
12	18.30	18.20	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
13	18.20	18.10	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
14	18.10	18.00	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
TOT						2.70			170402.39	135240.00					
AVG					0.00600		1.26	96.60			121.72				
CUM						2.70									

********** 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	19.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
2	19.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
3	19.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
4	19.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
5	18.900	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
6	18.800	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
7	18.700	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
8	18.600	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
9	18.500	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
10	18.400	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00

11	18.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
12	18.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
13	18.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
14	18.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
AVG 20 DEG C RATE			0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.20			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
1	19.300	22.70	0.36	88.48	706.11	5.08	8.16	0.00	8.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	12.39
2	19.200	22.70	0.36	88.86	705.01	5.05	8.09	0.00	8.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	11.93
3	19.100	22.70	0.36	89.27	703.81	5.03	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	11.47
4	19.000	22.70	0.36	89.72	702.50	5.02	7.95	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	11.03
5	18.900	22.70	0.36	90.21	701.06	5.02	7.89	0.00	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	10.58
6	18.800	22.70	0.36	90.75	699.50	5.02	7.83	0.00	7.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	10.15
7	18.700	22.70	0.36	91.33	697.79	5.03	7.78	0.00	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	9.72
8	18.600	22.70	0.36	91.97	695.92	5.05	7.73	0.00	7.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	9.29
9	18.500	22.70	0.36	92.66	693.93	5.06	7.68	0.00	7.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.87
10	18.400	22.70	0.36	93.38	691.80	5.08	7.65	0.00	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.46
11	18.300	22.70	0.36	94.16	689.54	5.10	7.61	0.00	7.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	8.06
12	18.200	22.70	0.36	94.99	687.13	5.11	7.59	0.00	7.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.67
13	18.100	22.70	0.36	95.87	684.56	5.12	7.57	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	7.29
14	18.000	22.70	0.36	96.81	681.83	5.12	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.92

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 2 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
15	UPR RCH	0.64000	22.70	0.36	96.81	681.83	5.12	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.92
16	WSTLD	0.55000	22.70	0.31	115.00	609.00	5.58	8.45	0.00	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67

********** 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
15	18.00	17.90	0.64000	100.0	0.00526	0.22	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.005
16	17.90	17.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
17	17.80	17.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
18	17.70	17.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
19	17.60	17.50	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
20	17.50	17.40	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010

21	17.40	17.30	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
22	17.30	17.20	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
23	17.20	17.10	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
24	17.10	17.00	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
TOT						1.29			121716.01	96600.00					
AVG					0.00900		1.26	96.60			121.72				
CUM						3.99									

********** 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
15	17.900	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
16	17.800	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
17	17.700	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
18	17.600	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
19	17.500	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
20	17.400	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
21	17.300	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
22	17.200	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
23	17.100	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
24	17.000	8.61	0.98	0.08	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
AVG 20 DEG C RATE			0.93	0.07	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.25	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
15	17.900	22.70	0.36	97.81	678.91	5.12	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.55
16	17.800	22.70	0.36	98.87	675.80	5.13	7.55	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.19
17	17.700	22.70	0.36	99.10	676.26	5.11	7.52	0.00	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	6.02
18	17.600	22.70	0.36	99.35	676.77	5.10	7.48	0.00	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.87
19	17.500	22.70	0.36	99.63	677.35	5.10	7.45	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.72
20	17.400	22.70	0.36	99.95	678.00	5.09	7.43	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.57
21	17.300	22.70	0.36	100.31	678.73	5.09	7.41	0.00	7.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.44
22	17.200	22.70	0.36	100.71	679.55	5.09	7.40	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.31
23	17.100	22.70	0.36	101.16	680.46	5.10	7.39	0.00	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.19
24	17.000	22.70	0.36	101.67	681.49	5.11	7.39	0.00	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	5.07

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
25	UPR RCH	1.19000	22.70	0.36	101.67	681.49	5.11	7.39	0.00	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07
29	WSTLD	-0.30000	22.70	0.36	105.28	688.86	5.17	7.47	0.00	7.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.51
38	WSTLD	0.60000	22.70	0.41	154.00	788.00	5.58	9.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50

********** 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
25	17.00	16.90	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
26	16.90	16.80	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
27	16.80	16.70	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
28	16.70	16.60	1.19000	100.0	0.00978	0.12	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.010
29	16.60	16.50	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
30	16.50	16.40	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
31	16.40	16.30	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
32	16.30	16.20	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
33	16.20	16.10	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
34	16.10	16.00	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
35	16.00	15.90	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
36	15.90	15.80	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
37	15.80	15.70	0.89000	100.0	0.00731	0.16	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.007
38	15.70	15.60	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
39	15.60	15.50	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
40	15.50	15.40	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
41	15.40	15.30	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
42	15.30	15.20	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
43	15.20	15.10	1.49000	100.0	0.01224	0.09	1.26	96.60	12171.60	9660.00	121.72	0.00	0.000	8.000	0.012
TOT						2.47			231260.36	183540.00					
AVG					0.00892		1.26	96.60			121.72				
CUM						6.45									

********** 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
25	16.900	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
26	16.800	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
27	16.700	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
28	16.600	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
29	16.500	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00

30	16.400	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
31	16.300	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
32	16.200	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
33	16.100	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
34	16.000	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
35	15.900	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
36	15.800	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
37	15.700	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
38	15.600	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
39	15.500	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
40	15.400	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
41	15.300	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
42	15.200	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
43	15.100	8.61	0.98	0.07	0.00	0.00	0.00	0.00	0.00	2.70	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
AVG 20 DEG C RATE			0.93	0.06	0.00	0.00	0.00	0.00	0.00	2.28			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.13	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
25	16.900	22.70	0.36	102.23	682.65	5.12	7.40	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.96
26	16.800	22.70	0.36	102.87	683.94	5.13	7.42	0.00	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.85
27	16.700	22.70	0.36	103.58	685.40	5.14	7.43	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.74
28	16.600	22.70	0.36	104.38	687.03	5.15	7.45	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.63
29	16.500	22.70	0.36	105.28	688.86	5.17	7.47	0.00	7.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.51
30	16.400	22.70	0.36	106.29	690.92	5.19	7.50	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.39
31	16.300	22.70	0.36	107.39	693.16	5.20	7.53	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.27
32	16.200	22.70	0.36	108.59	695.61	5.22	7.57	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.14
33	16.100	22.70	0.36	109.91	698.28	5.25	7.61	0.00	7.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	4.01
34	16.000	22.70	0.37	111.34	701.20	5.27	7.65	0.00	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.88
35	15.900	22.70	0.37	112.90	704.38	5.29	7.70	0.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.75
36	15.800	22.70	0.37	114.60	707.85	5.32	7.75	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.61
37	15.700	22.70	0.37	116.47	711.64	5.35	7.82	0.00	7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.47
38	15.600	22.70	0.37	118.50	715.78	5.39	7.88	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.33
39	15.500	22.70	0.37	118.52	715.85	5.41	7.89	0.00	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.29
40	15.400	22.70	0.37	118.56	715.92	5.45	7.90	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.25
41	15.300	22.70	0.37	118.60	716.01	5.48	7.92	0.00	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.22
42	15.200	22.70	0.37	118.64	716.11	5.53	7.93	0.00	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.18
43	15.100	22.70	0.37	118.69	716.22	5.58	7.96	0.00	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.15

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
44	UPR RCH	1.49000	22.70	0.37	118.69	716.22	5.58	7.96	0.00	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15

********** 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
44	15.10	15.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
45	15.00	14.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
46	14.90	14.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
47	14.80	14.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
48	14.70	14.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
49	14.60	14.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
50	14.50	14.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
51	14.40	14.30	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
52	14.30	14.20	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
53	14.20	14.10	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
54	14.10	14.00	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
55	14.00	13.90	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
56	13.90	13.80	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
57	13.80	13.70	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
58	13.70	13.60	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
59	13.60	13.50	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
60	13.50	13.40	1.49000	100.0	0.01383	0.08	0.96	112.20	10771.20	11220.00	107.71	0.00	0.000	8.000	0.014
TOT						1.42			183110.42	190740.00					
AVG					0.01383		0.96	112.20			107.71				
CUM						7.87									

********** 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
44	15.000	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
45	14.900	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
46	14.800	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
47	14.700	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
48	14.600	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
49	14.500	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
50	14.400	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
51	14.300	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
52	14.200	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00

53	14.100	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
54	14.000	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
55	13.900	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
56	13.800	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
57	13.700	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
58	13.600	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
59	13.500	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
60	13.400	8.61	1.28	0.07	0.00	0.00	0.00	0.00	0.00	1.53	1.53	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.22	0.06	0.00	0.00	0.00	0.00	0.00	1.29			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
44	15.000	22.70	0.37	118.75	716.36	5.65	7.99	0.00	7.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.12
45	14.900	22.70	0.37	118.83	716.54	5.72	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.09
46	14.800	22.70	0.37	118.92	716.74	5.79	8.05	0.00	8.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.05
47	14.700	22.70	0.37	119.02	716.98	5.85	8.08	0.00	8.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	3.02
48	14.600	22.70	0.37	119.15	717.26	5.90	8.10	0.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.99
49	14.500	22.70	0.37	119.29	717.59	5.95	8.13	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.96
50	14.400	22.70	0.37	119.46	717.98	6.00	8.16	0.00	8.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.92
51	14.300	22.70	0.37	119.66	718.43	6.04	8.18	0.00	8.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.89
52	14.200	22.70	0.37	119.90	718.96	6.08	8.21	0.00	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.86
53	14.100	22.70	0.37	120.17	719.59	6.12	8.23	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.83
54	14.000	22.70	0.37	120.49	720.32	6.15	8.26	0.00	8.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.79
55	13.900	22.70	0.37	120.87	721.18	6.18	8.28	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.76
56	13.800	22.70	0.37	121.31	722.19	6.20	8.30	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.73
57	13.700	22.70	0.37	121.83	723.37	6.22	8.31	0.00	8.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.69
58	13.600	22.70	0.37	122.44	724.75	6.24	8.33	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.66
59	13.500	22.70	0.37	123.16	726.38	6.25	8.34	0.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.62
60	13.400	22.70	0.37	124.00	728.29	6.26	8.35	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.59

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 5 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
61	UPR RCH	1.49000	22.70	0.37	124.00	728.29	6.26	8.35	0.00	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59
69	WSTLD	0.28000	22.70	0.37	151.00	710.80	5.58	9.09	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74

********** 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
61	13.40	13.30	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
62	13.30	13.20	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
63	13.20	13.10	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
64	13.10	13.00	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
65	13.00	12.90	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
66	12.90	12.80	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
67	12.80	12.70	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
68	12.70	12.60	1.49000	100.0	0.01200	0.10	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.012
69	12.60	12.50	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
70	12.50	12.40	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
71	12.40	12.30	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
72	12.30	12.20	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
73	12.20	12.10	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
74	12.10	12.00	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
75	12.00	11.90	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
76	11.90	11.80	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
77	11.80	11.70	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
78	11.70	11.60	1.77000	100.0	0.01426	0.08	0.97	128.00	12416.00	12800.00	124.16	0.00	0.000	8.000	0.014
TOT						1.58			223488.00	230400.00					
AVG					0.01316		0.97	128.00			124.16				
CUM						9.46									

********** 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
61	13.300	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
62	13.200	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
63	13.100	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
64	13.000	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
65	12.900	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
66	12.800	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
67	12.700	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
68	12.600	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
69	12.500	8.61	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
70	12.400	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
71	12.300	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
72	12.200	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
73	12.100	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
74	12.000	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
75	11.900	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
76	11.800	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
77	11.700	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
78	11.600	8.60	1.27	0.07	0.00	0.00	0.00	0.00	0.00	1.99	1.99	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.21	0.06	0.00	0.00	0.00	0.00	0.00	1.68			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
61	13.300	22.70	0.38	124.91	730.36	6.26	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.55
62	13.200	22.70	0.39	125.90	732.61	6.26	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.52
63	13.100	22.70	0.39	127.04	735.20	6.25	8.37	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.49
64	13.000	22.70	0.40	128.35	738.18	6.25	8.37	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.45
65	12.900	22.70	0.41	129.85	741.60	6.25	8.38	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.42
66	12.800	22.70	0.42	131.59	745.54	6.24	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.38
67	12.700	22.70	0.42	133.58	750.07	6.24	8.40	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.35
68	12.600	22.70	0.43	135.87	755.27	6.23	8.41	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.31
69	12.500	22.70	0.44	138.50	761.26	6.22	8.43	0.00	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.27
70	12.400	22.70	0.45	141.18	769.57	6.22	8.42	0.00	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.25
71	12.300	22.70	0.46	144.33	779.36	6.22	8.42	0.00	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.23
72	12.200	22.70	0.46	148.05	790.90	6.23	8.42	0.00	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.20
73	12.100	22.70	0.47	152.43	804.49	6.23	8.41	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.18
74	12.000	22.70	0.48	157.59	820.50	6.23	8.41	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.16
75	11.900	22.70	0.49	163.66	839.36	6.22	8.41	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.13
76	11.800	22.70	0.49	170.82	861.59	6.22	8.40	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.11
77	11.700	22.70	0.50	179.26	887.77	6.21	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.09
78	11.600	22.70	0.51	189.20	918.63	6.20	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.06

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 6 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
79	UPR RCH	1.77000	22.70	0.51	189.20	918.63	6.20	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06
79	WSTLD	0.35000	22.70	0.78	363.00	1475.00	5.58	9.02	0.00	9.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32
84	WSTLD	0.70000	22.70	0.78	363.00	1475.00	5.58	9.02	0.00	9.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.32
88	WSTLD	0.40000	22.70	0.49	234.00	931.00	5.58	8.88	0.00	8.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45
90	WSTLD	-8.65000	22.70	0.64	274.77	1171.27	6.10	8.49	0.00	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69

********** 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
79	11.60	11.50	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
80	11.50	11.40	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
81	11.40	11.30	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
82	11.30	11.20	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012
83	11.20	11.10	2.12000	100.0	0.01168	0.10	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.012

84	11.10	11.00	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
85	11.00	10.90	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
86	10.90	10.80	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
87	10.80	10.70	2.82000	100.0	0.01553	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.016
88	10.70	10.60	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
89	10.60	10.50	3.22000	100.0	0.01774	0.07	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.018
90	10.50	10.40	-5.43000	100.0	-0.02991	-0.04	1.12	162.10	18155.20	16210.00	181.55	0.00	0.000	8.000	0.030
TOT						0.89			217862.42	194520.02					
AVG					0.01569		1.12	162.10			181.55				
CUM						10.34									

********** 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
79	11.500	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
80	11.400	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
81	11.300	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
82	11.200	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
83	11.100	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
84	11.000	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
85	10.900	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
86	10.800	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
87	10.700	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
88	10.600	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
89	10.500	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
90	10.400	8.60	1.10	0.07	0.00	0.00	0.00	0.00	0.00	1.78	1.78	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.04	0.06	0.00	0.00	0.00	0.00	0.00	1.50			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
79	11.500	22.70	0.52	198.71	948.15	6.19	8.38	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.04
80	11.400	22.70	0.53	203.92	963.91	6.19	8.37	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.02
81	11.300	22.70	0.54	209.89	981.98	6.18	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	2.00
82	11.200	22.70	0.55	216.73	1002.68	6.17	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.98
83	11.100	22.70	0.56	224.57	1026.40	6.16	8.37	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.96
84	11.000	22.70	0.57	233.56	1053.58	6.14	8.38	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.95
85	10.900	22.70	0.59	237.61	1064.42	6.14	8.38	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.91
86	10.800	22.70	0.60	242.46	1077.36	6.14	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.87
87	10.700	22.70	0.61	248.24	1092.82	6.13	8.40	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.83
88	10.600	22.70	0.62	255.15	1111.27	6.12	8.43	0.00	8.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.78
89	10.500	22.70	0.63	263.98	1138.28	6.12	8.45	0.00	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.74
90	10.400	22.70	0.64	274.77	1171.27	6.10	8.49	0.00	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.69

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
91	UPR RCH	-5.43000	22.70	0.64	274.77	1171.27	6.10	8.49	0.00	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69
108	WSTLD	6.54000	22.70	0.53	310.00	1279.00	5.58	8.81	0.00	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60

********** 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
91	10.40	10.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
92	10.30	10.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
93	10.20	10.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
94	10.10	10.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
95	10.00	9.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
96	9.90	9.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
97	9.80	9.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
98	9.70	9.60	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
99	9.60	9.50	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
100	9.50	9.40	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
101	9.40	9.30	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
102	9.30	9.20	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
103	9.20	9.10	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
104	9.10	9.00	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
105	9.00	8.90	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
106	8.90	8.80	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
107	8.80	8.70	-5.43000	100.0	-0.09579	-0.01	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.096
108	8.70	8.60	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
109	8.60	8.50	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
110	8.50	8.40	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
111	8.40	8.30	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
112	8.30	8.20	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
113	8.20	8.10	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
114	8.10	8.00	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
115	8.00	7.90	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
116	7.90	7.80	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
117	7.80	7.70	1.11000	100.0	0.01958	0.06	0.83	68.30	5668.90	6830.00	56.69	0.00	0.000	11.000	0.020
TOT						0.39			153060.30	184410.02					
AVG					0.08102		0.83	68.30			56.69				
CUM						10.73									

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

ELEM NO.	ENDING DIST	SAT D.O. mg/L	REAER RATE 1/da	BOD#1 DECAY 1/da	BOD#1 SETT 1/da	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
91	10.300	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
92	10.200	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
93	10.100	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
94	10.000	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
95	9.900	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
96	9.800	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
97	9.700	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
98	9.600	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
99	9.500	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
100	9.400	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
101	9.300	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
102	9.200	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
103	9.100	8.59	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
104	9.000	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
105	8.900	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
106	8.800	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
107	8.700	8.58	2.58	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
108	8.600	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
109	8.500	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
110	8.400	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
111	8.300	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
112	8.200	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
113	8.100	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
114	8.000	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
115	7.900	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
116	7.800	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
117	7.700	8.58	1.49	0.07	0.00	0.00	0.00	0.00	0.00	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			2.06	0.06	0.00	0.00	0.00	0.00	0.00	2.70			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
91	10.300	22.70	0.65	286.88	1208.30	6.08	8.54	0.00	8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.64
92	10.200	22.70	0.67	297.65	1241.25	6.06	8.59	0.00	8.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.60
93	10.100	22.70	0.68	303.41	1258.86	6.03	8.62	0.00	8.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
94	10.000	22.70	0.70	306.49	1268.28	6.01	8.64	0.00	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
95	9.900	22.70	0.71	308.14	1273.31	5.99	8.66	0.00	8.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
96	9.800	22.70	0.73	309.02	1276.00	5.96	8.67	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
97	9.700	22.70	0.74	309.49	1277.44	5.94	8.68	0.00	8.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
98	9.600	22.70	0.76	309.74	1278.21	5.91	8.69	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
99	9.500	22.70	0.77	309.87	1278.62	5.88	8.69	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
100	9.400	22.70	0.79	309.95	1278.84	5.86	8.70	0.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
101	9.300	22.70	0.80	309.98	1278.96	5.83	8.71	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.56
102	9.200	22.70	0.82	310.01	1279.02	5.80	8.71	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57

103	9.100	22.70	0.83	310.02	1279.05	5.77	8.72	0.00	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
104	9.000	22.70	0.85	310.02	1279.07	5.74	8.73	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
105	8.900	22.70	0.86	310.03	1279.08	5.71	8.74	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
106	8.800	22.70	0.88	310.03	1279.09	5.67	8.74	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.58
107	8.700	22.70	0.89	310.03	1279.09	5.64	8.75	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.58
108	8.600	22.70	0.91	310.03	1279.09	5.61	8.76	0.00	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.58
109	8.500	22.70	0.92	310.06	1279.19	5.60	8.72	0.00	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.57
110	8.400	22.70	0.94	310.10	1279.30	5.60	8.67	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.55
111	8.300	22.70	0.95	310.14	1279.44	5.60	8.63	0.00	8.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.54
112	8.200	22.70	0.97	310.19	1279.60	5.60	8.59	0.00	8.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.52
113	8.100	22.70	0.98	310.25	1279.78	5.61	8.54	0.00	8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.50
114	8.000	22.70	1.00	310.32	1280.01	5.62	8.49	0.00	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.48
115	7.900	22.70	1.01	310.40	1280.27	5.63	8.44	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.47
116	7.800	22.70	1.03	310.49	1280.57	5.65	8.38	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.45
117	7.700	22.70	1.04	310.61	1280.93	5.67	8.32	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.42

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 8 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
118	UPR RCH	1.11000	22.70	1.04	310.61	1280.93	5.67	8.32	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42
124	WSTLD	0.01000	22.70	0.53	310.00	1279.00	5.58	8.81	0.00	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60

********** 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
118	7.70	7.60	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
119	7.60	7.50	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
120	7.50	7.40	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
121	7.40	7.30	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
122	7.30	7.20	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
123	7.20	7.10	1.11000	100.0	0.01402	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
124	7.10	7.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
125	7.00	6.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
126	6.90	6.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
127	6.80	6.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
128	6.70	6.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
129	6.60	6.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
130	6.50	6.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
131	6.40	6.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
132	6.30	6.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
133	6.20	6.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
134	6.10	6.00	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
135	6.00	5.90	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
136	5.90	5.80	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
137	5.80	5.70	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014

138	5.70	5.60	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
139	5.60	5.50	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
140	5.50	5.40	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
141	5.40	5.30	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
142	5.30	5.20	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
143	5.20	5.10	1.12000	100.0	0.01414	0.08	0.90	88.00	7920.00	8800.00	79.20	0.00	0.000	14.000	0.014
TOT						2.13			205919.98	228800.00					
AVG					0.01411		0.90	88.00			79.20				
CUM						12.86									

********** 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
118	7.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
119	7.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
120	7.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
121	7.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
122	7.200	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
123	7.100	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
124	7.000	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
125	6.900	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
126	6.800	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
127	6.700	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
128	6.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
129	6.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
130	6.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
131	6.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
132	6.200	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
133	6.100	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
134	6.000	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
135	5.900	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
136	5.800	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
137	5.700	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
138	5.600	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
139	5.500	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
140	5.400	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
141	5.300	8.58	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
142	5.200	8.59	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
143	5.100	8.59	1.37	0.07	0.00	0.00	0.00	0.00	0.00	2.58	2.58	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.30	0.06	0.00	0.00	0.00	0.00	0.00	2.18			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
118	7.600	22.70	1.03	310.70	1281.24	5.69	8.28	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.41
119	7.500	22.70	1.02	310.79	1281.51	5.71	8.24	0.00	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.39
120	7.400	22.70	1.02	310.88	1281.80	5.72	8.20	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.38
121	7.300	22.70	1.01	310.98	1282.13	5.74	8.17	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.37
122	7.200	22.70	1.00	311.10	1282.49	5.75	8.14	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.35
123	7.100	22.70	0.99	311.22	1282.89	5.76	8.11	0.00	8.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.34
124	7.000	22.70	0.98	311.36	1283.32	5.78	8.08	0.00	8.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.33
125	6.900	22.70	0.98	311.51	1283.80	5.79	8.05	0.00	8.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.31
126	6.800	22.70	0.97	311.68	1284.33	5.80	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.30
127	6.700	22.70	0.96	311.86	1284.92	5.81	7.99	0.00	7.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.29
128	6.600	22.70	0.95	312.06	1285.56	5.82	7.97	0.00	7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.27
129	6.500	22.70	0.94	312.28	1286.27	5.82	7.95	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.26
130	6.400	22.70	0.94	312.53	1287.05	5.83	7.93	0.00	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.25
131	6.300	22.70	0.93	312.80	1287.91	5.84	7.91	0.00	7.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.24
132	6.200	22.70	0.92	313.10	1288.85	5.84	7.90	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.22
133	6.100	22.70	0.91	313.42	1289.90	5.85	7.89	0.00	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.21
134	6.000	22.70	0.90	313.78	1291.04	5.85	7.88	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.20
135	5.900	22.70	0.89	314.18	1292.30	5.85	7.87	0.00	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.19
136	5.800	22.70	0.89	314.62	1293.69	5.85	7.87	0.00	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.17
137	5.700	22.70	0.88	315.10	1295.22	5.85	7.88	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.16
138	5.600	22.70	0.87	315.63	1296.91	5.85	7.88	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.15
139	5.500	22.70	0.86	316.21	1298.76	5.85	7.90	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.14
140	5.400	22.70	0.85	316.85	1300.80	5.84	7.92	0.00	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.13
141	5.300	22.70	0.85	317.56	1303.05	5.83	7.94	0.00	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.11
142	5.200	22.70	0.84	318.34	1305.53	5.82	7.98	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.10
143	5.100	22.70	0.83	319.19	1308.25	5.81	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.09

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 9 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
144	UPR RCH	1.12000	22.70	0.83	319.19	1308.25	5.81	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09
172	WSTLD	0.36000	22.70	0.64	304.00	1210.00	5.58	9.37	0.00	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99

********** 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
144	5.10	5.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
145	5.00	4.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
146	4.90	4.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
147	4.80	4.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013

148	4.70	4.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
149	4.60	4.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
150	4.50	4.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
151	4.40	4.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
152	4.30	4.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
153	4.20	4.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
154	4.10	4.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
155	4.00	3.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
156	3.90	3.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
157	3.80	3.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
158	3.70	3.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
159	3.60	3.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
160	3.50	3.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
161	3.40	3.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
162	3.30	3.20	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
163	3.20	3.10	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
164	3.10	3.00	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
165	3.00	2.90	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
166	2.90	2.80	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
167	2.80	2.70	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
168	2.70	2.60	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
169	2.60	2.50	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
170	2.50	2.40	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
171	2.40	2.30	1.12000	100.0	0.01256	0.09	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.013
172	2.30	2.20	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
173	2.20	2.10	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
174	2.10	2.00	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
175	2.00	1.90	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
176	1.90	1.80	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
177	1.80	1.70	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
178	1.70	1.60	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
179	1.60	1.50	1.48000	100.0	0.01660	0.07	1.14	78.20	8914.80	7820.00	89.15	0.00	0.000	17.000	0.017
TOT						3.14			320932.81	281519.97					
AVG					0.01328		1.14	78.20			89.15				
CUM						16.00									

********** 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
144	5.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
145	4.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
146	4.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
147	4.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
148	4.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
149	4.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
150	4.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
151	4.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
152	4.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
153	4.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
154	4.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
155	3.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00

156	3.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
157	3.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
158	3.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
159	3.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
160	3.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
161	3.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
162	3.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
163	3.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
164	3.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
165	2.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
166	2.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
167	2.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
168	2.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
169	2.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
170	2.400	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
171	2.300	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
172	2.200	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
173	2.100	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
174	2.000	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
175	1.900	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
176	1.800	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
177	1.700	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
178	1.600	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
179	1.500	8.59	1.08	0.07	0.00	0.00	0.00	0.00	0.00	2.92	2.92	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.03	0.06	0.00	0.00	0.00	0.00	0.00	2.46			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
144	5.000	22.70	0.83	319.99	1310.79	5.80	8.06	0.00	8.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
145	4.900	22.70	0.83	320.74	1313.17	5.79	8.10	0.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
146	4.800	22.70	0.83	321.54	1315.73	5.77	8.13	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
147	4.700	22.70	0.83	322.41	1318.48	5.76	8.17	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
148	4.600	22.70	0.83	323.34	1321.43	5.75	8.20	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
149	4.500	22.70	0.83	324.33	1324.60	5.75	8.23	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
150	4.400	22.70	0.83	325.40	1328.00	5.74	8.27	0.00	8.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
151	4.300	22.70	0.83	326.55	1331.66	5.73	8.30	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
152	4.200	22.70	0.83	327.78	1335.58	5.72	8.33	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
153	4.100	22.70	0.83	329.11	1339.80	5.71	8.36	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
154	4.000	22.70	0.83	330.53	1344.33	5.71	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
155	3.900	22.70	0.83	332.06	1349.19	5.70	8.42	0.00	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
156	3.800	22.70	0.83	333.70	1354.41	5.70	8.45	0.00	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
157	3.700	22.70	0.83	335.46	1360.02	5.69	8.48	0.00	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
158	3.600	22.70	0.83	337.35	1366.04	5.69	8.51	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
159	3.500	22.70	0.83	339.39	1372.50	5.69	8.53	0.00	8.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
160	3.400	22.70	0.83	341.57	1379.45	5.68	8.56	0.00	8.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
161	3.300	22.70	0.83	343.91	1386.90	5.68	8.58	0.00	8.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
162	3.200	22.70	0.83	346.43	1394.91	5.68	8.60	0.00	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	0.99
163	3.100	22.70	0.83	349.13	1403.51	5.68	8.62	0.00	8.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
164	3.000	22.70	0.83	352.03	1412.74	5.68	8.64	0.00	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00

165	2.900	22.70	0.83	355.15	1422.66	5.68	8.66	0.00	8.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.00
166	2.800	22.70	0.83	358.50	1433.31	5.68	8.67	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
167	2.700	22.70	0.83	362.09	1444.75	5.69	8.69	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.01
168	2.600	22.70	0.83	365.95	1457.03	5.69	8.70	0.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.02
169	2.500	22.70	0.83	370.10	1470.22	5.70	8.71	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
170	2.400	22.70	0.83	374.55	1484.39	5.71	8.72	0.00	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
171	2.300	22.70	0.83	379.33	1499.60	5.71	8.72	0.00	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
172	2.200	22.70	0.83	384.46	1515.94	5.73	8.73	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
173	2.100	22.70	0.83	391.89	1540.75	5.74	8.71	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
174	2.000	22.70	0.83	400.04	1567.99	5.76	8.69	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
175	1.900	22.70	0.83	408.98	1597.88	5.79	8.67	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
176	1.800	22.70	0.83	418.80	1630.69	5.81	8.64	0.00	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
177	1.700	22.70	0.83	429.58	1666.71	5.85	8.60	0.00	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
178	1.600	22.70	0.83	441.41	1706.25	5.89	8.56	0.00	8.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
179	1.500	22.70	0.83	454.40	1749.64	5.93	8.51	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03

FINAL REPORT Bayou Segnette LA-QUAL simulation of Bayou Segnette (020701)
REACH NO. 10 Bayou Segnette Winter projection, meeting DO standards

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

ELEM NO.	TYPE	FLOW	TEMP deg C	SALN ppt	CL mg/L	COND umhos	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	NBOD mg/L
180	UPR RCH	1.48000	22.70	0.83	454.40	1749.64	5.93	8.51	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03

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

ELEM NO.	BEGIN DIST km	ENDING DIST km	FLOW m³/s	PCT EFF	ADVCTV VELO m/s	TRAVEL TIME days	DEPTH m	WIDTH m	VOLUME m³	SURFACE AREA m²	X-SECT AREA m²	TIDAL PRISM m³	TIDAL VELO m/s	DISPRSN m²/s	MEAN VELO m/s
180	1.50	1.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
181	1.40	1.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
182	1.30	1.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
183	1.20	1.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
184	1.10	1.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
185	1.00	0.90	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
186	0.90	0.80	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
187	0.80	0.70	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
188	0.70	0.60	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
189	0.60	0.50	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
190	0.50	0.40	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
191	0.40	0.30	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
192	0.30	0.20	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
193	0.20	0.10	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
194	0.10	0.00	1.48000	100.0	0.01979	0.06	1.09	68.60	7477.40	6860.00	74.77	0.00	0.000	20.000	0.020
TOT						0.88			112160.98	102900.00					
AVG					0.01979		1.09	68.60			74.77				
CUM						16.87									

********** 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
180	1.400	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
181	1.300	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
182	1.200	8.58	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
183	1.100	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
184	1.000	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
185	0.900	8.57	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
186	0.800	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
187	0.700	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
188	0.600	8.56	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
189	0.500	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
190	0.400	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
191	0.300	8.55	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
192	0.200	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
193	0.100	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
194	0.000	8.54	1.13	0.07	0.00	0.00	0.00	0.00	0.00	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00
AVG 20 DEG C RATE			1.07	0.06	0.00	0.00	0.00	0.00	0.00	1.84			0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.11	0.00

* g/m²/d ** mg/L/day

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

ELEM NO.	ENDING DIST	TEMP DEG C	SALN PPT	CL mg/L	COND umhos	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	NBOD mg/L
180	1.400	22.70	0.90	468.75	1797.59	5.98	8.46	0.00	8.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
181	1.300	22.70	0.96	484.62	1850.61	6.04	8.39	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
182	1.200	22.70	1.03	502.05	1908.88	6.10	8.32	0.00	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
183	1.100	22.70	1.10	521.21	1972.91	6.16	8.23	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
184	1.000	22.70	1.16	542.27	2043.28	6.23	8.13	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
185	0.900	22.70	1.23	565.41	2120.61	6.31	8.02	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
186	0.800	22.70	1.30	590.85	2205.59	6.40	7.90	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
187	0.700	22.70	1.36	618.79	2298.99	6.50	7.76	0.00	7.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.03
188	0.600	22.70	1.43	649.51	2401.63	6.60	7.60	0.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
189	0.500	22.70	1.50	683.26	2514.42	6.73	7.43	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.04
190	0.400	22.70	1.56	720.36	2638.38	6.86	7.23	0.00	7.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.05
191	0.300	22.70	1.63	761.13	2774.61	7.02	7.01	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.06
192	0.200	22.70	1.70	805.93	2924.32	7.19	6.77	0.00	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.07
193	0.100	22.70	1.76	855.16	3088.84	7.39	6.49	0.00	6.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.08
194	0.000	22.70	1.83	909.27	3269.65	7.62	6.19	0.00	6.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.	1.09

STREAM SUMMARY
Bayou Segnette

LA-QUAL simulation of Bayou Segnette (020701)
Winter projection, meeting DO standards

TRAVEL TIME = 16.87 DAYS

MAXIMUM EFFLUENT = 100.00 PERCENT

FLOW	=	-5.43000	TO	3.22000	m^3/s
DISPERSION	=	8.0000	TO	20.0000	m^2/s
VELOCITY	=	-0.09579	TO	0.01979	m/s
DEPTH	=	0.83	TO	1.26	m
WIDTH	=	68.30	TO	162.10	m
BOD DECAY	=	0.07	TO	0.08	per day
NH3 DECAY	=	0.00	TO	0.00	per day
SOD	=	0.24	TO	3.20	$g/m^2/d$
NH3 SOURCE	=	0.00	TO	0.00	$g/m^2/d$
REAERATION	=	0.98	TO	2.58	per day
BOD SETTLING	=	0.00	TO	0.00	per day
ORG-N DECAY	=	0.00	TO	0.00	per day
ORG-N SETTLING	=	0.00	TO	0.00	per day
TEMPERATURE	=	22.70	TO	22.70	deg C
DISSOLVED OXYGEN	=	5.02	TO	7.62	mg/L

LA-QUAL simulation of Bayou Segnette (020701)
Winter projection, meeting DO standards

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 INFLOW	0.000	0.0	0.0	0.0	0.0	0.0	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	10.690	5153.8	8191.8	0.0	0.0	0.0	0.0	0.0	0.0	2874.4
WITHDRAWLS	-9.210	-4808.2	-6715.1	0.0	0.0	0.0	0.0	0.0	0.0	-1600.5
OUTFLOW THRU LOWER BNDRY	-1.480	-974.5	-791.4	0.0	0.0	0.0	0.0	0.0	0.0	-139.7
DISPERSION THRU LOWER BNDRY		333.4	-436.3	0.0	0.0	0.0	0.0	0.0	0.0	19.8
NON-POINT INPUT		0.0	847.0	0.0	0.0					0.0
NATURAL REAERATION		6568.5								
DAM REAERATION		0.0								
BACKGROUND SOD		-4022.9								
BOD#1 DECAY		-1096.0	-1096.0							
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			0.0	0.0				
ORG-N SETTLING					0.0	0.0				
NH3 DECAY		0.0				0.0	0.0			
BACKGROUND NH3 SOURCE						0.0				
OTHER DENITRIFICATION							0.0			
PHOSPHORUS SOURCE								0.0		
ALGAE PHOTOSYNTHESIS		0.0				0.0	0.0	0.0	0.0	
ALGAE RESPIRATION		0.0				0.0		0.0	0.0	
ALGAE SETTLING		0.0							0.0	
MACRO PHOTOSYNTHESIS		0.0				0.0	0.0	0.0		
NCM DECAY		-1154.0								-1154.0
NCM SETTLING		0.0								0.0
TOTAL INPUTS	10.690	12055.6	9038.8	0.0	0.0	0.0	0.0	0.0	0.0	2894.2
TOTAL OUTPUTS	-10.690	-12055.6	-9038.8	0.0	0.0	0.0	0.0	0.0	0.0	-2894.2
NET CONVERGENCE ERROR	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

.....EXECUTION COMPLETED